

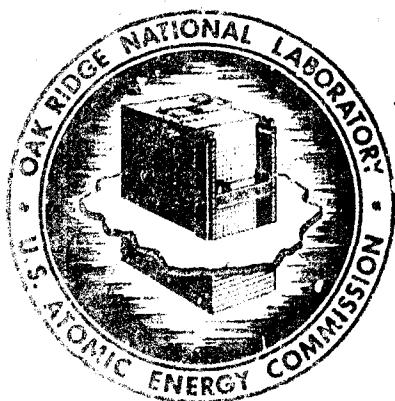
AD697901

ORNL-4464
UC-34 - Physics

NEUTRON AND SECONDARY GAMMA-RAY
TRANSPORT IN INFINITE HOMOGENEOUS AIR

E. A. Straker
M. L. Gritzner

DDC
DEC 16 1969
REGULUS ULL
F



OAK RIDGE NATIONAL LABORATORY
operated by
UNION CARBIDE CORPORATION
for the
U.S. ATOMIC ENERGY COMMISSION

This document has been approved
for public release and sale; its
distribution is unlimited.

Printed in the United States of America. Available from Clearinghouse for Federal
Scientific and Technical Information, National Bureau of Standards,
U.S. Department of Commerce, Springfield, Virginia 22161.
Price: Printed Copy \$3.00; Microfiche \$0.50.

- LEGAL NOTICE

This report was prepared as an account of Government sponsored work. Neither the United States, nor the Commission, nor any person acting on behalf of the Commission,

- A. Makes any warranty or representation, expressed or implied, with respect to the accuracy, completeness or usefulness of the information contained in this report, or that the user of any information, apparatus, method, or process disclosed in this report may not infringe privately owned rights; or

B. Assumes any liabilities with respect to the use of, or for damages resulting from the use of any information, apparatus, method, or process disclosed in this report.

As used in the above, "person acting on behalf of the Commission" includes any employee or contractor of the Commission, or employee of such contractor, to the extent that such employee or contractor of the Commission, or employee of such contractor prepares, disseminates, or provides access to, any information pursuant to his employment or contract with the Commission, or his employment with such contractor.

RECEIVED	WHITE SECTION LS
SAT	RESP CERTIFIED <input type="checkbox"/>
SUP	<input checked="" type="checkbox"/>
MANUFACTURED	
ADMINISTRATION	
BY	
CONTROLLING AVAILABILITY CODE	
DET.	AVAIL. 24/7
7	

ORNL-4464

Neutron Physics Division

NEUTRON AND SECONDARY GAMMA-RAY TRANSPORT
IN INFINITE HOMOGENEOUS AIR

E. A. Straker and M. L. Gritzner*

*Computing Technology Center, Union Carbide Corporation, Oak Ridge, Tenn.

NOTE:

This Work Funded by

DEFENSE ATOMIC SUPPORT AGENCY

Under Subtask No. PB050

DECEMBER 1969

OAK RIDGE NATIONAL LABORATORY
Oak Ridge, Tennessee
operated by
UNION CARBIDE CORPORATION
for the
U. S. ATOMIC ENERGY COMMISSION

NEUTRON AND SECONDARY GAMMA-RAY TRANSPOR
IN INFINITE HOMOGENEOUS AIR

E. A. Straker and M. L. Gritzner

Abstract

The detailed energy, angular, and spatial distribution of neutrons and their secondary gamma rays is given for nine source energy groups, a fission spectrum, and a typical thermonuclear spectrum. Results for ranges to 2000 meters for the eleven sources are supplemented with results to 5000 meters for a fission and 12.2- to 15-MeV source. In addition to the detailed description of the radiation field, the angular distributions of Henderson dose, Snyder-Neufeld dose, tissue kerma, mid-phantom dose, concrete kerma, air kerma, ionizing silicon kerma, and non-ionizing silicon kerma are given for neutrons, and the Henderson dose, concrete kerma, air kerma, and silicon kerma are given for secondary gamma rays. Some comparisons with air-over-ground results are made.

The detailed radiation field from weapons detonated in the atmosphere is required as the source term for many shielding calculations. For low altitude detonations, less than approximately 20,000 ft, and for source and detector altitudes greater than approximately 2,000 ft, the radiation field may be determined from results of transport in an infinite homogeneous medium. In addition, infinite air results provide the upper limit for the effect of the ground on the radiation field.

In order to provide infinite air data for comparison with those previously published¹ for a source height of 50 ft above an air-ground interface, tabular results are presented of discrete ordinates calculations of the energy, angular and spatial distribution of neutrons and their secondary gamma rays due to point isotropic sources in an infinite medium of air. The same cross sections, air density and method of calculation were used as in reference 1.

The neutron sources for this problem were isotropic and uniformly distributed over each energy group; the groups considered are shown in Table 1. In addition to these band spectra, results are also given for a typical thermonuclear source (see Fig. 1 and Table 2) and for a fission source. The air composition was assumed to be 21% oxygen and 79% nitrogen at a density of 1.11 mg/cc. The discrete ordinates code ANISN² was used to determine the neutron and gamma-ray distribution in a 2,000-meter sphere; in two cases results for a 5,000-meter sphere are presented. The neutron cross sections were taken from ENDF/B,³ and the secondary gamma-ray production cross sections were from various sources.⁴ Twenty-two neutron groups and 18 gamma-ray groups were used to represent the cross sections in the S₁₆P₅ calculations.

TABLE 1. SOURCE ENERGY BANDS

Energy Range (MeV)	
12.2	- 15.0
10.0	- 12.2
8.18	- 10.0
6.36	- 8.18
4.06	- 6.36
2.35	- 4.06
1.108	- 2.35
0.111	- 1.108
1/E, 0.0033 - 0.111	

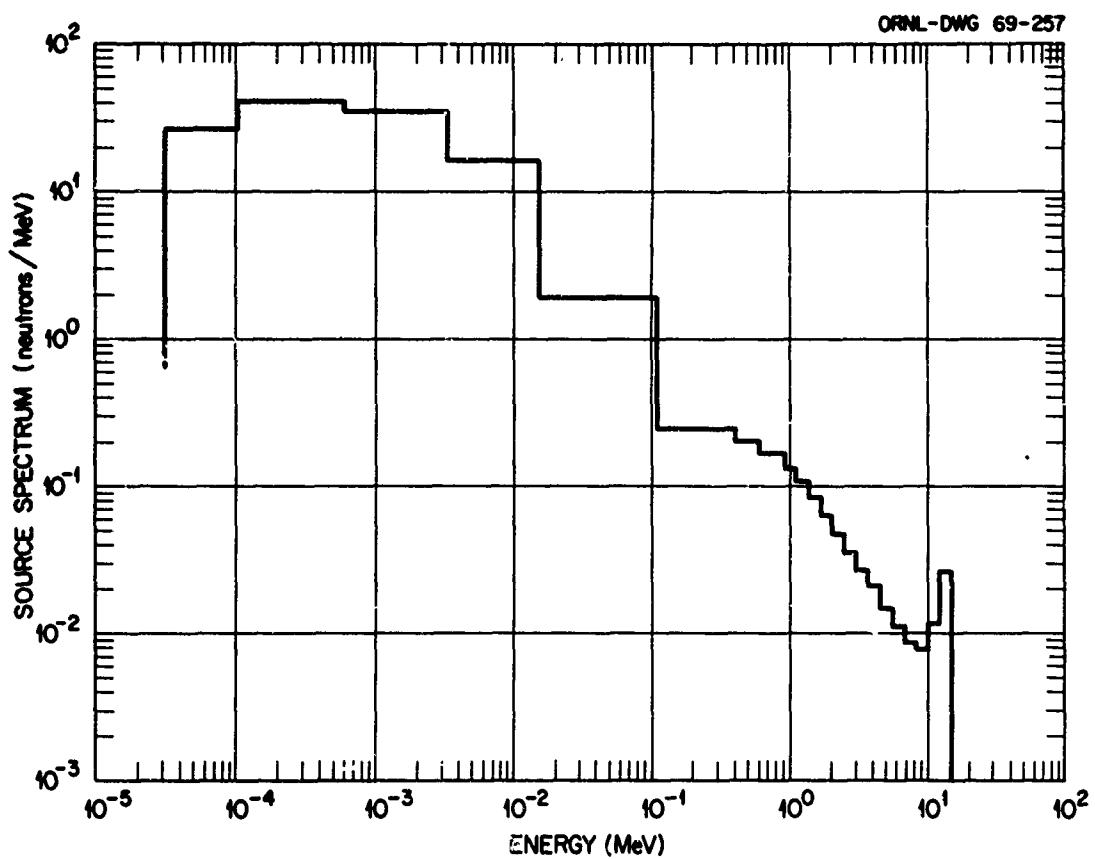


Fig. 1. Source Energy Spectrum for a Typical Thermonuclear Weapon.

TABLE 2. ENERGY DISTRIBUTIONS FOR FISSION
AND THERMONUCLEAR SOURCES

Energy (MeV)	Fraction in Group	
	Fission	Thermonuclear
12.2 - 15.0	1.568(-4) ^a	7.06(-2)
10.0 - 12.2	8.932(-4)	2.56(-2)
8.19 - 10.0	3.480(-3)	1.41(-2)
6.36 - 8.19	1.392(-2)	1.47(-2)
4.97 - 6.36	3.457(-2)	1.80(-2)
4.07 - 4.97	3.507(-2)	1.70(-2)
3.01 - 4.07	1.072(-1)	2.60(-2)
2.46 - 3.01	8.898(-2)	1.90(-2)
2.35 - 2.46	2.323(-2)	5.00(-3)
1.83 - 2.35	1.203(-1)	2.80(-2)
1.11 - 1.83	2.181(-1)	6.20(-2)
0.55 - 1.11	1.983(-1)	8.50(-2)
0.11 - 0.55	1.403(-1)	1.02(-1)
0.0335 - 0.110	1.550(-2)	3.65(-1)
5.83(-4)-3.35(-2)	0	1.22(-1)
1.01(-4)-5.83(-4)	0	2.40(-2)
2.90(-5)-1.01(-4)	0	2.00(-3)
<2.90(-5)	0	0

^aRead as 1.568×10^{-4} .

Results for the energy-angular distribution of both neutrons and their secondary gamma rays from inelastic neutron scattering, fast neutron capture, and thermal neutron capture are given for the ranges listed in Table 3. In addition, the angular fluence is integrated to give the scalar fluence at each range.

Several neutron and gamma-ray responses have been used to weight the energy fluence to provide angular-dependent response information. Specifically, the neutron responses were the Henderson dose,⁵ the Snyder-Neufeld dose,⁶ tissue kerma,⁷ the mid-phantom dose,⁸ concrete kerma,⁷ air kerma,⁷ and both ionizing and non-ionizing silicon kerma.⁹ The specific response functions are given in Table 4. The gamma-ray responses were Henderson dose,⁵ concrete kerma,¹⁰ air kerma,¹⁰ and silicon kerma¹⁰ (see Table 5). To illustrate the variation of the various responses with range, Fig. 2 shows the results for a 12.2- to 15-MeV source. The type of response has little effect on the shape of the curve for ranges greater than ~800 meters.

When the angular fluence varies with angle by a factor of approximately 500 or more, the angular fluence may be negative in the backward angles due to the truncation of the Legendre expansion of the scattering cross section at P_5 . These negative fluences are small and do not significantly affect the scalar fluence; however, if a negative value occurs for a direction which is important to the solution of a particular problem, then these results are probably inadequate.

An index to the tabulated results is given in Table 6. To illustrate some of the results, Fig. 3 shows the spatial distribution of $4\pi R^2$ neutron and gamma-ray doses due to both a 12.2- to 15-MeV source and a fission source. Note that for ranges greater than about 2,000 meters the secondary gamma-ray dose dominates.

TABLE 3. RANGE IN METERS FOR
WHICH RESULTS ARE TABULATED

All Source Energies	Fission and 12.2- to 15-MeV Sources
75	600
150	900
200	1200
300	1800
400	2400
500	3600
	4800

TABLE 4. NEUTRON RESPONSE FUNCTIONS

Uptg. Group	Energy (ev)	Henderson Tissue Dose ^a	Snyder- Neufeld ^b Dose ^c	Mid- Phantom Dosed ^d				Non- Ionizing Silicon Kermac ^e			
				Tissue Kermac ^b	Kermac ^c	Concrete Kermac ^b	Air Kermac ^c	Tissue Kermac ^b	Kermac ^c	Concrete Kermac ^b	Air Kermac ^c
1	15.0 (+6)	5.46(-9)	7.0 (-9)	6.36(-7)	4.9 (-9)	1.58(-7)	2.66(-7)	7.5 (-9)	8.6 (-8)		
2	12.2 (+6)	5.13(-9)	7.0 (-9)	5.74(-7)	4.5 (-9)	1.17(-7)	1.93(-7)	6.6 (-9)	9.0 (-8)		
3	10.0 (+6)	4.84(-9)	7.08(-9)	5.17(-7)	4.2 (-9)	8.2 (-8)	1.41(-7)	6.4 (-9)	8.1 (-8)		
4	8.18(+6)	4.61(-9)	6.72(-9)	4.87(-7)	3.5 (-9)	7.05(-8)	1.11(-7)	6.6 (-9)	5.0 (-8)		
5	6.36(+6)	4.44(-9)	6.03(-9)	4.5 (-7)	2.8 (-9)	5.75(-8)	1.05(-7)	5.5 (-9)	1.6 (-8)		
6	4.96(+6)	4.13(-9)	5.43(-9)	4.21(-7)	2.3 (-9)	5.4 (-8)	1.20(-7)	5.1 (-9)	9.0 (-9)		
7	4.06(+6)	4.01(-9)	4.83(-9)	3.98(-7)	1.75(-9)	5.8 (-8)	1.06(-7)	4.8 (-9)	5.4 (-9)		
8	3.01(+6)	3.39(-9)	4.48(-9)	3.43(-7)	1.25(-9)	4.1 (-8)	5.38(-8)	4.8 (-9)	3.6 (-9)		
9	2.46(+6)	3.15(-9)	4.33(-9)	3.15(-7)	1.15(-9)	3.2 (-8)	3.09(-8)	4.7 (-9)	3.0 (-9)		
10	2.35(+6)	3.09(-9)	4.23(-9)	3.05(-7)	7.00(-10)	3.5 (-8)	3.37(-8)	4.2 (-9)	2.7 (-9)		
11	1.83(+6)	2.64(-9)	3.96(-9)	2.63(-7)	5.30(-10)	3.12(-8)	2.95(-8)	3.4 (-9)			
12	1.11(+6)	1.97(-9)	3.30(-9)	2.05(-7)	2.8 (-10)	2.61(-8)	1.61(-8)	3.1 (-9)			
13	5.50(+5)	1.12(-9)	1.73(-9)	1.27(-7)	2.0 (-10)	1.48(-8)	9.84(-9)	2.0 (-9)			
14	1.11(+5)	2.29(-10)	7.0 (-10)	4.0 (-8)	1.2 (-10)	3.55(-9)	2.67(-9)	0			
15	3.35(+3)	0	6.07(-10)	1.96(-9)	1.05(-10)	1.58(-10)	3.61(-10)	0			
16	5.83(+2)	0	6.72(-10)	3.67(-10)	1.10(-10)	2.85(-11)	5.62(-10)	0			
17	1.01(+2)	0	5.35(-10)	1.17(-10)	1.15(-10)	7.1 (-12)	1.28(-9)	0			
18	2.90(+1)	0	3.88(-10)	1.11(-10)	1.10(-10)	5.0 (-12)	2.26(-9)	0			
19	1.07(+1)	0	3.42(-10)	1.62(-10)	1.0 (-10)	6.35(-12)	3.70(-9)	0			
20	3.06(+0)	0	3.27(-10)	2.65(-10)	8.5 (-11)	1.02(-11)	6.71(-9)	0			
21	1.12(+0)	0	3.22(-10)	4.26(-10)	7.9 (-11)	1.63(-11)	1.13(-8)	0			
22	0.414(+0)	0	3.2 (-10)	9.36(-10)	5.5 (-11)	3.62(-11)	2.43(-8)	0			

^a Units of rad/(n/cm²)^b Units of (ergs/gm)/(n/cm²)^c From reference 7.^d From reference 8.^e From reference 9.

TABLE 5. GAMMA-RAY RESPONSE FUNCTIONS

Group	Upper Energy (MeV)	Henderson Tissue Dose ^{a*}	Concrete Kerma ^{b†}	Air Kerma ^{b†}	Silicon Kerma ^{b†}
1	10.0	2.42(-9)	2.65(-7)	2.24(-7)	2.80(-7)
2	8.0	2.07(-9)	2.18(-7)	1.90(-7)	2.28(-7)
3	6.5	1.76(-9)	1.80(-7)	1.60(-7)	1.83(-7)
4	5.0	1.59(-9)	1.46(-7)	1.34(-7)	1.48(-7)
5	4.0	1.27(-9)	1.18(-7)	1.12(-7)	1.20(-7)
6	3.0	1.08(-9)	9.80(-8)	9.52(-8)	9.85(-8)
7	2.5	8.75(-10)	8.40(-8)	8.30(-8)	8.40(-8)
8	2.0	7.35(-10)	7.15(-8)	2.13(-8)	7.12(-8)
9	1.66	6.44(-10)	6.15(-8)	6.15(-8)	6.10(-8)
10	1.33	5.30(-10)	5.05(-8)	5.05(-8)	5.05(-8)
11	1.0	4.45(-10)	4.10(-8)	4.10(-8)	4.10(-8)
12	0.8	3.50(-10)	3.30(-8)	3.26(-8)	2.70(-8)
13	0.6	2.56(-10)	2.42(-8)	2.38(-8)	2.37(-8)
14	0.4	1.77(-10)	1.68(-8)	1.63(-8)	1.65(-8)
15	0.3	1.22(-10)	1.20(-8)	1.11(-8)	1.17(-8)
16	0.2	6.60(-11)	8.00(-9)	5.92(-9)	7.25(-9)
17	0.1	3.90(-11)	1.20(-8)	2.72(-9)	9.75(-9)
18	0.05	8.37(-11)	5.90(-8)	4.40(-9)	4.13(-8)

^aFrom reference 5.^bFrom reference 10.^{*}Units of Rad/(\gamma/cm²)[†]Units of (ergs/gm)/(\gamma/cm²)

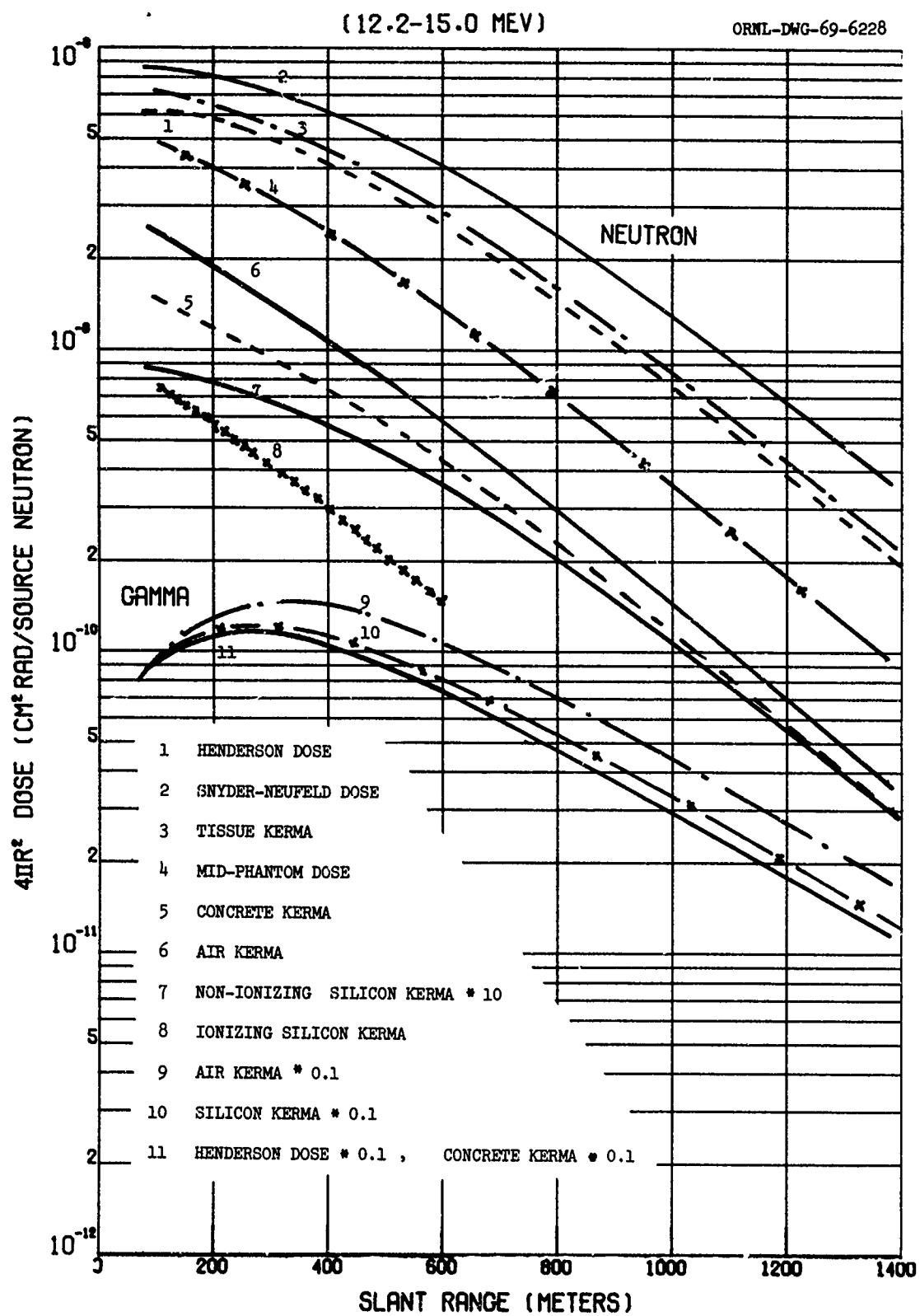


Fig. 2. $4\pi R^2$ Dose Versus Range Due to a 12.2- to 15-MeV Source.

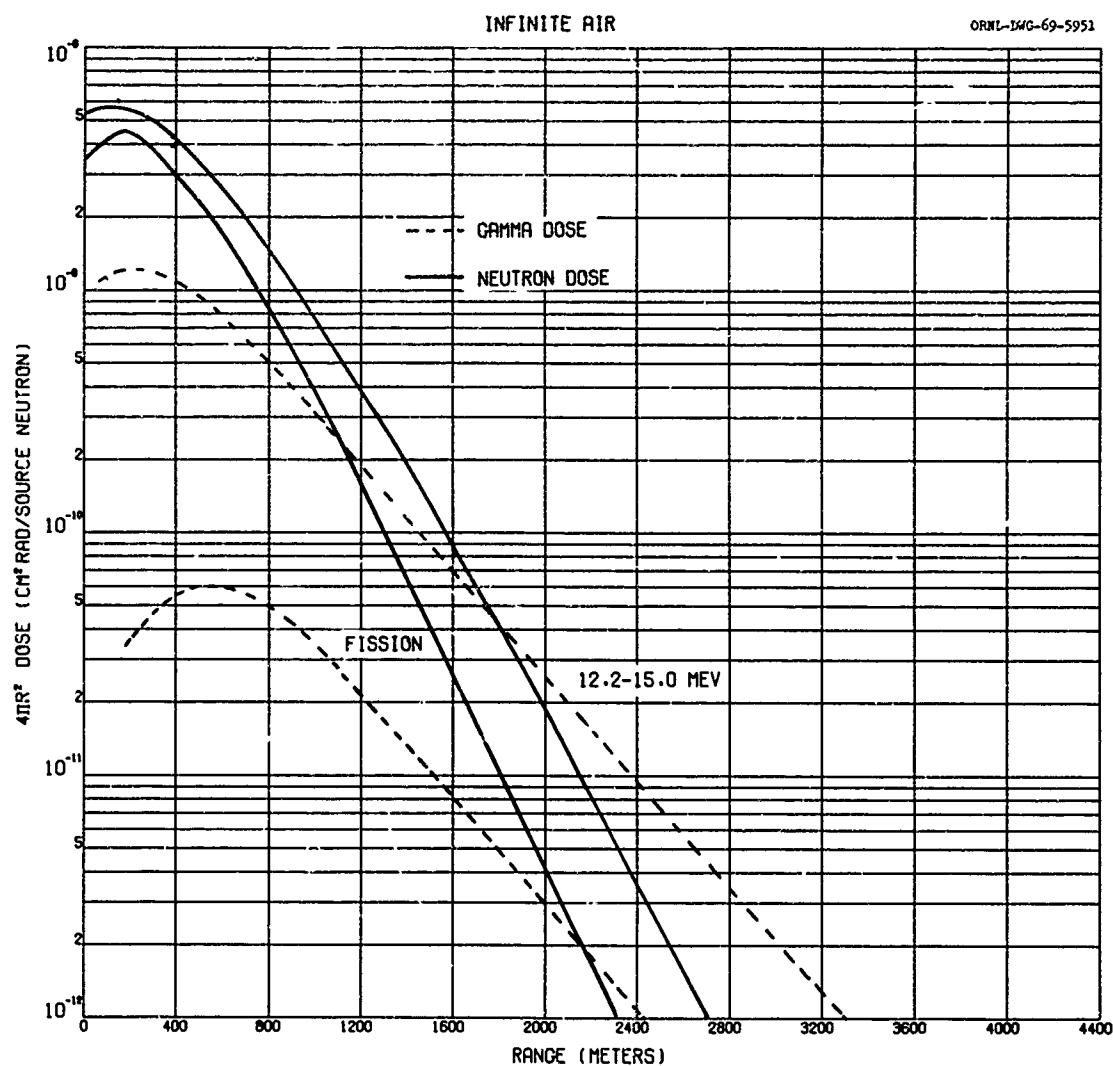


Fig. 3. $4\pi R^2$ Dose Versus Range for both 12.2- to 15-MeV and Fission Sources.

To compare these infinite air results with the results for a source height of 50 ft, a rotation of the coordinates of the air-over-ground results must be made. Figs. 4 and 5 show the comparison of infinite air results at 900 meters with those for source heights of 50 and 1125 ft and detector height of 3 ft. The angular variable is measured from the source-detector axis. At this range, the effect of the ground is to make the dose entering the ground slightly more peaked for both neutrons and secondary gamma rays.

These tabulated results provide the detailed energy angular distribution of both neutrons and secondary gamma rays in infinite air. The validity of the calculational technique and the input cross sections for the air-over-ground results has been established previously⁴ by comparing calculations with experimental results from BREN¹¹ and HENRE.¹² These calculations for infinite air utilized the same cross sections and the accuracy of the results should be essentially the same as for the air-over-ground results.

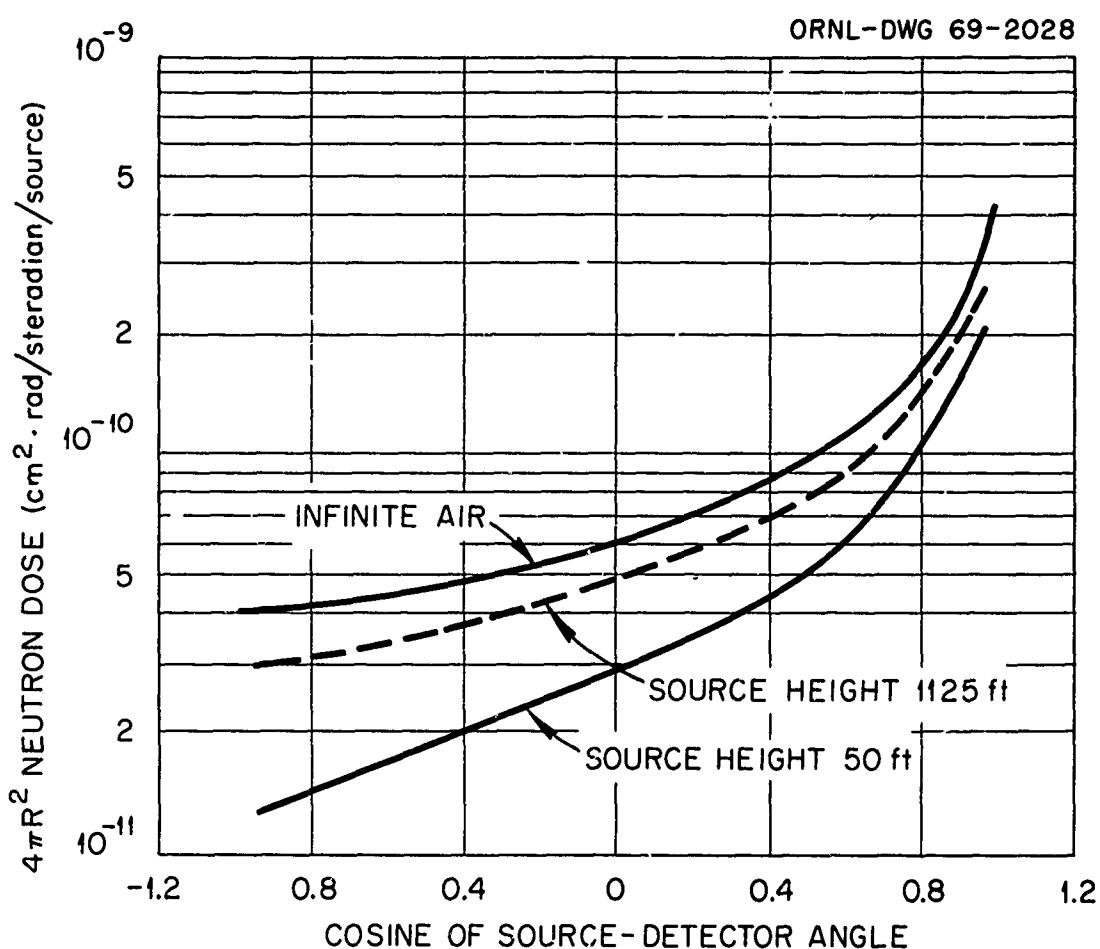


Fig. 4. Angular Distribution of Neutron Dose at a Range of 900 Meters Due to a 12.2- to 15-MeV Source. For the air-over-ground case, the detector is 3 ft above the ground.

12.2-15.0 MEV

ORNL-DWG-69-5952

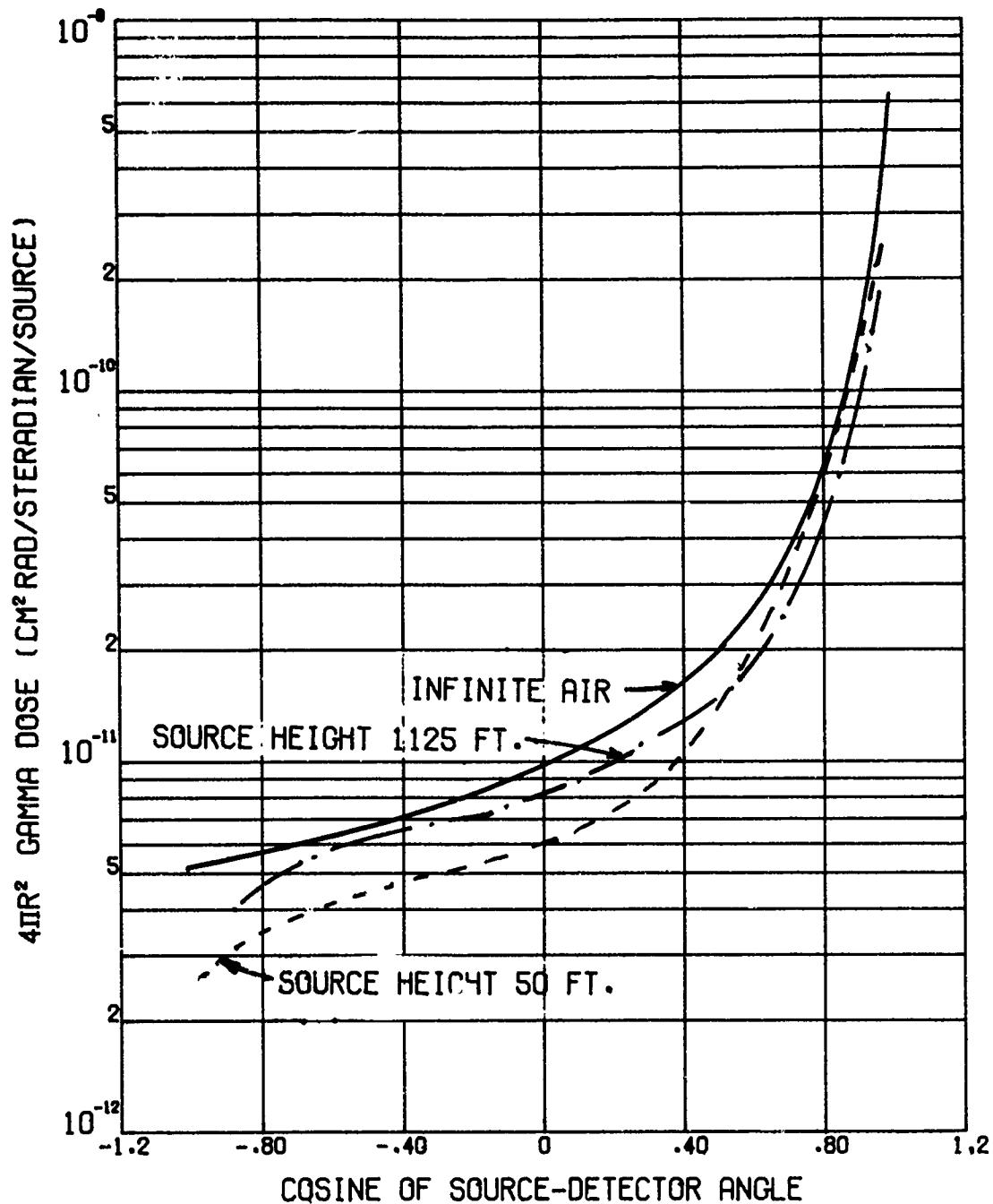


Fig. 5. Angular Distribution of Gamma-Ray Dose at a Range of 900 Meters Due to 12.2- to 15-MeV Source. For the air-over-ground case, the detector is 3 ft above the ground.

REFERENCES

1. E. A. Straker, Time-Dependent Neutron and Secondary Gamma-Ray Transport in an Air-Over-Ground Geometry, Volume II.
Tabulated Data, ORNL-4289 (1968).
2. W. W. Engle, Jr., A User's Manual for ANISN - A One-Dimensional Discrete Ordinates Transport Code with Anisotropic Scattering, K-1693, Union Carbide Corporation (1967).
3. Evaluated Nuclear Data File of the National Neutron Cross Section Center.
4. E. A. Straker, Time-Dependent Neutron and Secondary Gamma-Ray Transport in an Air-Over-Ground Geometry, Vol. I, Calculational Techniques and Discussion of Results, ORNL-4289, Vol. I (to be published).
5. B. J. Henderson, Conversion of Neutron and Gamma-Ray Flux to Absorbed Dose Rate, XDC 59-8-179 (1959).
6. W. S. Snyder and C. Neufeld, Radiation Research, 6(1), 67 (1957).
7. E. Solomito, J. J. Ritts, and H. C. Claiborne, AVKER: A Fortran Program for Calculating Dose or Heat Generation Rates in Materials, ORNL-TM-2558 (April 15, 1969).
8. J. A. Auxier, W. S. Snyder, and T. D. Jones, "Neutron Interaction and Penetration in Tissue," Radiation Dosimetry, Academic Press (1968).
9. Allan R. Sattler and Frederich L. Vook, "Partition of the Average Energy Deposited in Silicon as a Function of Incident Neutron Energy," Phys. Rev. 155, 211 (1967).

10. D. K. Trubey, PRINT-SIG, An Ogre Routine to Print Gamma-Ray Total Cross Sections and Energy Deposition Coefficients, ORNL-CF-68-10-19 (1968).
11. E. A. Straker and R. J. Rodgers, "Neutron Transport in the Atmosphere," ANS Trans. 10, 730 (1967).
12. J. H. Thorngate, et al., Energy and Angular Distribution of Neutrons and Gamma Rays - Operation HENRE, CEX 65.12, USAEC (to be published).

xix

TABULATED DATA

TABLE 6. PAGE INDEX TO TABULATED DATA

Type of Radiation	Data Tabulated	Range (Meters)	12.2-15 MeV	10.0-12.2 MeV	8.18-10.0 MeV	6.36-8.18 MeV	4.06-6.36 MeV	2.35-4.06 MeV	1.108-2.35 MeV	.111-1.108 MeV	.0033-1.11 MeV	Fission	Thermo-nuclear
Neutrons	Energy-angular distributions	75	1	35	69	103	137	171	205	239	273	307	341
		150	2	36	70	104	138	172	206	240	274	308	342
		200	3	37	71	105	139	173	207	241	275	309	343
		300	4	38	72	106	140	174	208	242	276	310	344
		400	5	39	73	107	141	175	209	243	277	311	345
		500	6	40	74	108	142	176	210	244	278	312	346
		600	7	41	75	109	143	177	211	245	279	313	347
		900	8	42	76	110	144	178	212	246	280	314	348
		1200	9	43	77	111	145	179	213	247	281	315	349
		1500	10	44	78	112	146	180	214	248	282	316	350
		1800	11	45	79	113	147	181	215	249	283	317	351
Gammas	Energy-angular distributions	75	12	46	80	114	148	182	216	250	284	318	352
		150	13	47	81	115	149	183	217	251	285	319	353
		200	14	48	82	116	150	184	218	252	286	320	354
		300	15	49	83	117	151	185	219	253	287	321	355
		400	16	50	84	118	152	186	220	254	288	322	356
		500	17	51	85	119	153	187	221	255	289	323	357
		600	18	52	86	120	154	188	222	256	290	324	358
		900	19	53	87	121	155	189	223	257	291	325	359
		1200	20	54	88	122	156	190	224	258	292	326	360
		1500	21	55	89	123	157	191	225	259	293	327	361
		1800	22	56	90	124	158	192	226	260	294	328	362
Neutrons	Henderson dose	75-1800	23	57	91	125	159	193	227	261	295	329	363
		1800-4800	381									399	
	Snyder-Neufeld dose	75-1800	24	58	92	126	160	194	228	262	296	330	364
		1800-4800	382									400	
	Tissue kerma	75-1800	25	59	93	127	161	195	229	263	297	331	365
	Mid-phantom dose	75-1800	26	60	94	128	162	196	230	264	298	332	366
		1800-4800	384									402	
	Concrete kerma	75-1800	27	61	95	129	163	197	231	265	299	333	367
	Air kerma	75-1800	28	62	96	130	164	198	232	266	300	334	368
		1800-4800	386									404	
	Ionizing silicon kerma	1800-4800	29	63	97	131	165	199	233	267	301	335	369
	Non-ionizing silicon kerma	1800-4800	30	64	98	132	166	200	234	268	302	336	370

xx

TABLE 6. (CONT.)

Gammas	Henderson dose	75-1800 1800-4800	31 389	65	99	133	167	201	235	269	303	337 497	371
Concrete kerma	75-1800 1800-4800	32 390	66	100	134	168	202	236	270	304	338 498	372	
Air kerma	75-1800 1800-4800	33 391	67	101	135	169	203	237	271	305	339 499	373	
Silicon kerma	75-1800 1800-4800	34 392	68	102	136	170	204	238	272	306	340 410	374	
Neutrons	Energy-angular distributions	2400 3600 4800	375 376 377								393 394 395		
Gammas	Energy-angular distributions	2400 3600 4800	378 379 380								396 397 398		

4 PI R**2 FLUENCE AT 75.0 METERS

12.20 TO 15.00 MEV NEUTRON SOURCE

(NEUTRONS/MEV/STERADIANS/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
1.22E 01---1.50E 01	MU=-0.9894	MU=-0.9446	MU=-0.8656	MU=-0.7550	MU=-0.6179	MU=-0.4580	MU=-0.2886	MU=-0.0950	
1.00E 01---1.22E 01	-5.322E-04	-2.160E-04	6.327E-05	1.440E-04	1.833E-04	3.126E-05	7.541E-03	2.937E-03	
8.19E 00---1.00E 01	2.253E-03	2.205E-03	1.796E-03	1.607E-03	1.559E-03	1.683E-03	1.949E-03	2.233E-03	
6.36E 00---8.19E 00	9.432E-04	9.366E-04	9.136E-04	8.793E-04	8.509E-04	8.430E-04	8.665E-04	9.270E-04	1.077E-03
4.97E 00---6.36E 00	7.567E-04	7.567E-04	7.658E-04	7.855E-04	8.178E-04	8.674E-04	9.193E-04	1.039E-03	1.115E-03
4.07E 00---4.97E 00	1.106E-03	1.106E-03	1.125E-03	1.158E-03	1.211E-03	1.221E-03	1.291E-03	1.552E-03	1.771E-03
3.01E 00---4.07E 00	1.911E-03	1.916E-03	1.937E-03	1.978E-03	2.017E-03	2.040E-03	2.077E-03	2.208E-03	2.449E-03
2.46E 00---3.01E 00	3.081E-03	3.005E-03	3.104E-03	3.133E-03	3.207E-03	3.305E-03	3.448E-03	3.655E-03	3.908E-03
2.35E 00---2.46E 00	2.734E-03	3.739E-03	3.759E-03	3.802E-03	3.878E-03	3.998E-03	4.180E-03	4.452E-03	4.87E-03
1.83E 00---2.35E 00	3.026E-03	3.033E-03	3.120E-03	3.120E-03	3.213E-03	3.348E-03	3.537E-03	3.793E-03	4.035E-03
1.11E 00---1.83E 00	3.291E-03	3.300E-03	3.334E-03	3.401E-03	3.504E-03	3.648E-03	3.840E-03	4.091E-03	4.477E-03
5.50E-01---5.0E-01	4.510E-03	4.519E-03	4.554E-03	4.622E-03	4.726E-03	4.870E-03	5.060E-03	5.306E-03	5.60E-03
3.35E-02---4.50E-02	5.660E-03	5.668E-03	5.700E-03	5.762E-03	5.854E-03	5.976E-03	6.131E-03	6.322E-03	6.533E-03
5.83E-04---3.35E-02	2.751E-02	2.752E-02	2.759E-02	2.772E-02	2.791E-02	2.816E-02	2.866E-02	2.901E-02	2.930E-02
1.01E-04---5.83E-04	2.162E-02	2.163E-02	2.166E-02	2.173E-02	2.182E-02	2.194E-02	2.208E-02	2.244E-02	2.292E-02
2.90E-05---1.01E-04	5.070E-00	5.070E-00	5.072E-00	5.077E-00	5.101E-00	5.139E-00	5.162E-00	5.197E-00	5.231E-00
1.07E-05---2.90E-05	1.442E-01	1.442E-01	1.443E-01	1.446E-01	1.450E-01	1.454E-01	1.465E-01	1.472E-01	1.477E-01
3.06E-06---1.07E-05	3.757E-01	3.758E-01	3.761E-01	3.767E-01	3.776E-01	3.786E-01	3.799E-01	3.813E-01	3.827E-01
1.12E-06---3.06E-06	9.658E-01	9.878E-01	9.892E-01	9.892E-01	9.913E-01	9.939E-01	1.000E-01	1.044E-02	1.157E-02
4.14E-07---1.12E-06	2.125E-02	2.125E-02	2.128E-02	2.132E-02	2.137E-02	2.143E-02	2.150E-02	2.157E-02	2.166E-02
0.0 ---4.14E-07	3.031E-02	3.032E-02	3.034E-02	3.039E-02	3.045E-02	3.051E-02	3.059E-02	3.067E-02	3.076E-02
1.22E 01---1.50E 01	1.332E-03	1.490E-03	2.159E-03	3.778E-03	1.160E-02	2.004E-02	7.611E-02	1.295E-01	2.814E-01
1.00E 01---1.22E 01	4.322E-03	3.856E-03	1.614E-03	2.002E-03	3.084E-03	9.164E-03	1.644E-02	4.07E-02	5.07E-02
8.19E 00---1.00E 01	1.718E-03	1.463E-03	1.987E-03	2.264E-03	3.663E-03	5.197E-03	8.019E-03	2.031E-02	2.255E-02
6.36E 00---8.19E 00	1.320E-03	1.962E-03	2.490E-03	3.4394E-03	4.210E-03	6.000E-03	9.276E-03	1.395E-02	2.072E-02
4.97E 00---6.36E 00	3.885E-03	2.986E-03	3.847E-03	4.793E-03	5.915E-03	6.260E-03	9.683E-03	1.244E-02	1.313E-02
4.07E 00---4.97E 00	4.193E-03	3.220E-03	4.127E-03	5.120E-03	6.120E-03	6.460E-03	9.098E-03	1.057E-02	1.371E-02
3.01E 00---4.07E 00	4.482E-03	4.767E-03	6.255E-03	8.021E-03	7.695E-03	1.035E-02	1.515E-02	2.029E-02	4.510E-02
2.46E 00---3.01E 00	5.448E-03	6.468E-03	5.030E-03	6.479E-03	6.684E-03	8.928E-03	1.245E-02	1.615E-02	2.337E-02
1.83E 00---2.46E 00	4.700E-03	5.514E-03	6.803E-03	6.519E-03	8.285E-03	1.147E-02	1.429E-02	1.877E-02	2.399E-02
1.11E 00---1.83E 00	4.919E-03	5.111E-03	7.675E-03	7.756E-03	9.158E-03	1.156E-02	1.417E-02	1.827E-02	2.417E-02
5.50E-01---1.11E 00	1.07E-02	1.11E-02	7.006E-03	7.784E-03	9.721E-03	9.721E-03	1.057E-02	1.427E-02	1.933E-02
1.11E-01---5.50E-01	6.79E-03	7.006E-03	7.006E-03	7.070E-02	3.115E-02	3.172E-02	3.287E-02	3.381E-02	3.705E-01
3.35E-02---1.11E-01	2.46E-00	3.35E-02	2.260E-02	2.319E-02	2.336E-02	2.455E-02	2.581E-02	2.877E-02	3.235E-01
5.83E-04---3.35E-02	5.03E-04	5.83E-04	1.268E-00	1.275E-00	1.288E-00	1.293E-00	1.299E-00	1.304E-00	1.500E-01
1.01E-04---5.83E-04	1.01E-04	1.01E-04	5.213E-00	5.264E-00	5.287E-00	5.323E-00	5.341E-00	5.357E-00	6.537E-01
2.90E-05---1.01E-04	2.90E-05	2.90E-05	2.90E-05	2.90E-05	2.90E-05	1.502E-01	1.510E-01	1.510E-01	1.884E-02
1.07E-05---2.90E-05	1.478E-01	1.491E-01	1.491E-01	1.497E-01	1.497E-01	1.379E-02	1.391E-02	1.391E-02	4.830E-02
3.06E-06---1.07E-05	3.843E-01	3.858E-01	3.897E-01	3.8895E-01	3.8895E-01	3.906E-01	3.916E-01	3.916E-01	1.254E-03
1.12E-06---3.06E-06	1.007E-02	1.015E-02	1.015E-02	1.018E-02	1.020E-02	1.024E-02	1.025E-02	1.025E-02	2.744E-03
4.14E-07---1.12E-06	2.164E-02	2.172E-02	2.179E-02	2.185E-02	2.190E-02	2.198E-02	2.200E-02	2.200E-02	3.127E-02
0.0 ---4.14E-07	3.084E-02	3.093E-02	3.102E-02	3.110E-02	3.117E-02	3.122E-02	3.125E-02	3.127E-02	3.871E-03

SCALAR FLUX	ANGLE 17	ANGLE 16	ANGLE 15	ANGLE 14	ANGLE 13	ANGLE 12	ANGLE 11	ANGLE 10	ANGLE 9
MU= 0.9946	MU= 0.8956	MU= 0.7550	MU= 0.6179	MU= 0.4580	MU= 0.2816	MU= 0.0950	MU= -0.6179	MU= -0.9894	MU= -0.0950
1.22E 01---1.50E 01	1.332E-03	1.490E-03	2.159E-03	3.778E-03	1.160E-02	2.004E-02	7.611E-02	1.295E-01	2.814E-01
1.00E 01---1.22E 01	4.322E-03	3.856E-03	1.614E-03	2.002E-03	3.084E-03	9.164E-03	1.644E-02	4.07E-02	5.07E-02
8.19E 00---1.00E 01	1.718E-03	1.463E-03	1.987E-03	2.264E-03	3.663E-03	5.197E-03	8.019E-03	2.031E-02	2.255E-02
6.36E 00---8.19E 00	1.320E-03	1.962E-03	2.490E-03	3.4394E-03	4.210E-03	6.000E-03	9.276E-03	1.395E-02	2.072E-02
4.97E 00---6.36E 00	3.885E-03	2.986E-03	3.847E-03	4.793E-03	5.915E-03	6.260E-03	9.683E-03	1.244E-02	1.313E-02
4.07E 00---4.97E 00	4.193E-03	3.220E-03	4.127E-03	5.120E-03	6.120E-03	6.460E-03	9.098E-03	1.057E-02	1.371E-02
3.01E 00---4.07E 00	4.482E-03	4.767E-03	6.255E-03	8.021E-03	7.695E-03	1.035E-02	1.515E-02	2.029E-02	4.510E-02
2.46E 00---3.01E 00	5.448E-03	6.468E-03	5.030E-03	6.479E-03	6.684E-03	8.928E-03	1.245E-02	1.615E-02	2.337E-02
1.83E 00---2.46E 00	4.700E-03	5.514E-03	6.803E-03	6.519E-03	8.285E-03	1.147E-02	1.429E-02	1.877E-02	2.399E-02
1.11E 00---1.83E 00	4.919E-03	5.111E-03	7.675E-03	7.756E-03	9.158E-03	1.156E-02	1.417E-02	1.827E-02	2.417E-02
5.50E-01---1.11E 00	1.07E-02	1.11E-02	7.006E-03	7.784E-03	9.721E-03	9.721E-03	1.057E-02	1.427E-02	1.933E-02
1.11E-01---5.50E-01	6.79E-03	7.006E-03	7.006E-03	7.070E-02	3.115E-02	3.172E-02	3.287E-02	3.381E-02	3.705E-01
3.35E-02---1.11E-01	2.46E-00	3.35E-02	2.260E-02	2.319E-02	2.336E-02	2.455E-02	2.581E-02	2.877E-02	3.235E-01
5.83E-04---3.35E-02	5.03E-04	5.83E-04	1.268E-00	1.275E-00	1.288E-00	1.293E-00	1.299E-00	1.304E-00	1.500E-01
1.01E-04---5.83E-04	1.01E-04	1.01E-04	5.213E-00	5.264E-00	5.287E-00	5.307E-00	5.334E-00	5.341E-00	6.537E-01
2.90E-05---1.01E-04	2.90E-05	2.90E-05	2.90E-05	2.90E-05	2.90E-05	1.502E-01	1.510E-01	1.510E-01	1.884E-02
1.07E-05---2.90E-05	1.478E-01	1.491E-01	1.491E-01	1.497E-01	1.497E-01	1.379E-02	1.391E-02	1.391E-02	4.830E-02
3.06E-06---1.07E-05	3.843E-01	3.858E-01	3.897E-01	3.8895E-01	3.8895E-01	3.906E-01	3.916E-01	3.916E-01	1.254E-03
1.12E-06---3.06E-06	1.007E-02	1.015E-02	1.015E-02	1.018E-02	1.020E-02	1.024E-02	1.025E-02	1.025E-02	2.744E-03
4.14E-07---1.12E-06	2.164E-02	2.172E-02	2.179E-02	2.185E-02	2.190E-02	2.198E-02	2.200E-02	2.200E-02	3.127E-02
0.0 ---4.14E-07	3.084E-02	3.093E-02	3.102E-02	3.110E-02	3.117E-02	3.122E-02	3.125E-02	3.127E-02	3.871E-03

4 PI R**2 FLUENCE AT 150.0 METERS

12.20 TO 15.00 MEV NEUTRON SOURCE

(NEUTRONS/MEV/STERADIANSOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=-1.0000	ANGLE 2 MU=-0.9894	ANGLE 3 MU=-0.9446	ANGLE 4 MU=-0.8656	ANGLE 5 MU=-0.7550	ANGLE 6 MU=-0.6179	ANGLE 7 MU=-0.4580	ANGLE 8 MU=-0.2816	ANGLE 9 MU=-0.0950
1.22E 01---1.50E 01	-6.143E-04	-2.091E-04	-1.698E-04	-4.872E-05	-2.655E-04	-1.985E-05	-1.655E-03	-1.981E-03	-3.655E-03
1.00E 01---1.22E 01	2.139E-03	1.922E-03	1.692E-03	1.695E-03	1.514E-03	1.497E-03	1.036E-03	2.372E-03	1.293E-03
8.19E 00---1.00E 01	1.072E-03	1.064E-03	1.039E-03	1.004E-03	9.796E-04	9.577E-04	1.036E-03	1.138E-03	1.293E-03
6.36E 00---8.19E 00	9.671E-04	9.694E-04	9.795E-04	1.003E-03	1.044E-03	1.112E-03	1.214E-03	1.359E-03	1.359E-03
4.97E 00---6.36E 00	1.502E-03	1.522E-03	1.522E-03	1.642E-03	1.760E-03	1.760E-03	2.147E-03	2.447E-03	2.447E-03
4.07E 00---4.77E 00	2.390E-03	2.400E-03	2.446E-03	2.517E-03	2.631E-03	2.786E-03	2.990E-03	3.258E-03	3.613E-03
3.01E 00---4.07L 00	2.888E-03	2.894E-03	2.921E-03	2.976E-03	3.062E-03	3.189E-03	3.367E-03	3.613E-03	3.953E-03
2.46E 00---3.01E 00	4.966E-03	4.972E-03	4.995E-03	5.046E-03	5.134E-03	5.275E-03	5.493E-03	5.820E-03	6.299E-03
2.35E 00---2.46E 00	6.235E-03	6.242E-03	6.275E-03	6.348E-03	6.480E-03	6.696E-03	7.029E-03	7.519E-03	8.220E-03
1.83E 00---2.35E 00	5.352E-03	5.364E-03	5.416E-03	5.524E-03	5.696E-03	5.950E-03	6.306E-03	6.791E-03	7.446E-03
1.11E 00---1.83E 00	6.408E-03	6.425E-03	6.494E-03	6.631E-03	6.839E-03	7.129E-03	7.515E-03	8.664E-03	9.664E-03
5.50E-01---1.11E 00	1.014E-02	1.023E-02	1.023E-02	1.040E-02	1.066E-02	1.101E-02	1.148E-02	1.207E-02	1.281E-02
1.11E-01---5.50E-01	1.521E-02	1.523E-02	1.533E-02	1.552E-02	1.579E-02	1.616E-02	1.662E-02	1.717E-02	1.782E-02
3.35E-02---1.11E-01	8.730E-02	8.738E-02	8.761E-02	8.823E-02	8.903E-02	9.006E-02	9.131E-02	9.277E-02	9.441E-02
5.83E-04---3.35E-02	7.253E-02	7.258E-02	7.275E-02	7.309E-02	7.355E-02	7.415E-02	7.569E-02	7.659E-02	7.659E-02
1.01E-04---5.83E-04	4.222E-00	4.225E-00	4.233E-00	4.250E-00	4.272E-00	4.301E-00	4.336E-00	4.375E-00	4.418E-00
2.90E-05---1.01E-04	1.766E-01	1.787E-01	1.790E-01	1.796E-01	1.804E-01	1.815E-01	1.828E-01	1.843E-01	1.858E-01
1.07E-05---2.90E-05	5.299E-01	5.131E-01	5.140E-01	5.156E-01	5.179E-01	5.242E-01	5.347E-01	5.421E-01	5.521E-01
3.06E-06---1.07E-05	1.350E-02	1.350E-02	1.352E-02	1.356E-02	1.362E-02	1.369E-02	1.377E-02	1.386E-02	1.396E-02
1.12E-06---3.06E-06	3.567E-02	3.568E-02	3.574E-02	3.583E-02	3.597E-02	3.614E-02	3.635E-02	3.657E-02	3.682E-02
4.14E-07---1.12E-06	7.714E-02	7.717E-02	7.728E-02	7.748E-02	7.775E-02	7.810E-02	7.852E-02	7.898E-02	7.948E-02
0.0	-4.14E-07	1.107E-03	1.108E-03	1.109E-03	1.112E-03	1.116E-03	1.121E-03	1.132E-03	1.138E-03
ENERGY GROUP (MEV)	ANGLE 11 MU= 0.950	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.150	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9894	SCALAR FLUX	
1.22E 01---1.50E 01	6.479E-04	1.997E-03	1.952E-03	3.988E-03	5.854E-03	1.641E-02	5.596E-02	8.333E-01	1.882E-01
1.00E 01---1.22E 01	3.229E-03	3.970E-03	2.632E-03	5.139E-03	5.706E-03	9.919E-03	1.804E-02	4.990E-02	5.357E-02
8.19E 00---1.005 01	1.118E-03	2.158E-03	1.788E-03	3.186E-03	6.353E-03	6.449E-03	1.449E-02	2.943E-02	2.943E-02
6.36E 00---8.19E 00	2.755E-03	1.863E-03	1.863E-03	4.113E-03	7.560E-03	1.207E-03	2.988E-02	3.679E-02	3.679E-02
4.97E 00---6.36E 00	1.894E-03	4.291E-03	3.186E-03	5.876E-03	6.683E-03	1.026E-02	1.772E-02	3.858E-02	5.313E-02
4.07E 00---4.97E 00	3.285E-03	4.900E-03	6.366E-03	5.960E-03	1.067E-02	1.243E-02	2.179E-02	4.213E-02	7.643E-02
3.01E 00---4.07E 00	5.244E-03	6.786E-03	1.139E-03	1.110E-03	1.110E-02	1.260E-02	2.140E-02	4.213E-02	7.643E-02
2.46E 00---3.01E 00	9.057E-03	5.999E-03	1.399E-02	9.442E-03	1.661E-02	1.820E-02	3.165E-02	6.044E-02	1.200E-01
2.35E 00---2.46E 00	1.107E-02	9.282E-03	1.316E-02	1.479E-02	1.976E-02	2.513E-02	3.941E-02	7.442E-02	1.549E-01
1.83E 00---2.35E 00	1.019E-02	7.572E-03	1.279E-02	1.110E-02	1.783E-02	1.044E-02	1.304E-02	5.341E-02	1.310E-01
1.01E 00---1.83E 00	1.089E-02	9.574E-03	1.243E-02	1.323E-02	1.673E-02	1.902E-02	2.689E-02	4.112E-02	1.387E-01
5.50E-01---1.11E 00	1.094E-02	1.689E-02	1.538E-02	1.832E-02	2.123E-02	2.310E-02	3.007E-02	4.067E-02	1.870E-01
1.11E-01---5.50E-01	1.727E-02	2.039E-02	2.013E-02	2.170E-02	2.339E-02	2.423E-02	2.709E-02	2.979E-02	3.382E-01
3.05E-02---1.11E-01	9.585E-02	9.839E-02	1.001E-01	1.022E-01	1.059E-01	1.077E-01	1.088E-01	1.207E-01	9.716E-01
5.83E-04---3.35E-02	7.756E-02	7.857E-02	7.951E-02	8.054E-02	8.143E-02	8.278E-02	8.313E-02	8.313E-02	8.313E-02
1.01E-04---5.83E-04	4.433E-02	4.509E-02	4.559E-02	4.597E-02	4.636E-02	4.668E-02	4.691E-02	4.705E-02	5.590E-01
2.90E-05---1.01E-04	1.875E-01	1.892E-01	1.908E-01	1.923E-01	1.937E-01	1.948E-01	1.956E-01	1.960E-01	2.348E-02
1.07E-05---2.90E-05	5.366E-01	5.410E-01	5.453E-01	5.492E-01	5.527E-01	5.556E-01	5.577E-01	5.589E-01	6.722E-02
3.06E-06---1.07E-05	1.407E-02	1.417E-02	1.427E-02	1.437E-02	1.445E-02	1.451E-02	1.456E-02	1.459E-02	1.762E-03
1.12E-06---3.06E-06	3.707E-02	3.733E-02	3.758E-02	3.780E-02	3.800E-02	3.816E-02	3.828E-02	3.835E-02	4.446E-03
4.14E-07---1.12E-06	8.000E-02	8.051E-02	8.101E-02	8.147E-02	8.187E-02	8.219E-02	8.263E-02	8.256E-02	1.003E-04
0.0	-4.14E-07	1.144E-03	1.151E-03	1.157E-03	1.163E-03	1.168E-03	1.172E-03	1.176E-03	1.434E-04

4 PI R**2 FLUENCE AT 200.0 METERS

12.20 TO 15.00 MEV NEUTRON SOURCE

(NEUTRONS/MEV/STERADIANSOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=0.2816	ANGLE 2 MU=0.9446	ANGLE 3 MU=-0.8656	ANGLE 4 MU=-0.9446	ANGLE 5 MU=-0.6179	ANGLE 6 MU=-0.4580	ANGLE 7 MU=-0.4580	ANGLE 8 MU=-0.4580	ANGLE 9 MU=-0.4580
1.22E 01---1.50E 01	-4.136E-04	-1.291E-04	3.126E-04	2.482E-04	2.186E-04	5.572E-05	1.222E-04	4.026E-04	4.026E-04
1.00E 01---1.22E 01	1.876E-C3	1.835E-03	1.689E-03	1.487E-03	1.348E-03	1.517E-03	1.819E-03	2.185E-03	2.185E-03
8.19E 00---1.00E 01	1.020E-C3	1.014E-03	9.910E-04	9.604E-04	9.430E-04	9.574E-04	1.018E-03	1.133E-03	1.133E-03
6.36E 00---8.19E 00	9.825E-C4	9.846E-04	9.918E-04	1.018E-04	1.061E-03	1.133E-03	1.244E-03	1.406E-03	1.617E-03
4.97E 00---6.36E 00	1.572E-C3	1.576E-03	1.596E-03	1.643E-03	1.722E-03	1.857E-03	2.045E-03	2.296E-03	2.622E-03
4.01E 00---4.97E 00	2.597E-03	2.608E-03	2.652E-03	2.738E-03	2.861E-03	3.035E-03	3.261E-03	3.559E-03	3.955E-03
3.01E 00---4.01E 00	3.175E-03	3.202E-03	3.259E-03	3.494E-03	3.483E-03	3.674E-03	3.942E-03	4.318E-03	4.318E-03
2.46E 00---3.01E 00	5.531E-C3	5.537E-03	5.562E-03	5.617E-03	5.713E-03	5.870E-03	6.117E-03	6.494E-03	7.050E-03
2.35E 00---2.46E 00	7.041E-03	7.050E-03	7.091E-03	7.182E-03	7.347E-03	7.615E-03	8.027E-03	8.632E-03	9.495E-03
1.83E 00---2.35E 00	6.271E-C3	6.286E-03	6.351E-03	6.484E-03	6.696E-03	6.700E-03	6.446E-03	6.694E-03	8.835E-03
1.11E 00---1.83E 00	7.877E-03	7.965E-03	8.139E-03	8.401E-03	8.767E-03	9.254E-03	9.885E-03	1.069E-02	1.069E-02
5.50E 01---1.11E 00	1.319E-C2	1.322E-02	1.334E-02	1.358E-02	1.394E-02	1.443E-02	1.507E-02	1.589E-02	1.692E-02
1.11E 01---5.50E-01	2.142E-C2	2.146E-02	2.160E-02	2.189E-02	2.230E-02	2.284E-02	2.353E-02	2.436E-02	2.534E-02
3.35E 02---1.11E-01	1.320E-01	1.320E-01	1.325E-01	1.334E-01	1.348E-01	1.365E-01	1.386E-01	1.411E-01	1.439E-01
5.83E 04---3.35E-02	1.123E-C1	1.124E-01	1.127E-01	1.133E-01	1.141E-01	1.152E-01	1.165E-01	1.179E-01	1.196E-01
1.01E 04---5.83E-04	6.649E 00	6.653E 00	6.669E 00	6.700E 00	6.742E 00	6.797E 00	6.862E 00	6.936E 00	7.016E 00
2.90E 05---1.01E-04	2.840E C1	2.848E 01	2.848E 01	2.860E 01	2.876E 01	2.897E 01	2.922E 01	2.958E 01	2.981E 01
1.07E 05---2.90E-05	8.211E 01	8.215E 01	8.233E 01	8.265E 01	8.310E 01	8.367E 01	8.435E 01	8.512E 01	8.595E 01
3.06E 06---1.07E-05	2.175E 02	2.176E 02	2.181E 02	2.189E 02	2.200E 02	2.214E 02	2.231E 02	2.249E 02	2.270E 02
1.12E 06---3.06E-06	5.779E 02	5.790E 02	5.810E 02	5.838E 02	5.873E 02	5.915E 02	5.962E 02	6.012E 02	6.012E 02
4.14E 07---1.12E-06	1.255E 03	1.257E 03	1.261E 03	1.267E 03	1.274E 03	1.283E 03	1.292E 03	1.303E 03	1.303E 03
0.0 ---4.14E-07	1.808E 03	1.812E 03	1.818E 03	1.826E 03	1.835E 03	1.846E 03	1.858E 03	1.868E 03	1.871E 03
ENERGY GROUP (MEV)	ANGLE 10 MU=0.9580	ANGLE 11 MU=0.4580	ANGLE 12 MU=0.6179	ANGLE 13 MU=0.8656	ANGLE 14 MU=0.7550	ANGLE 15 MU=0.9446	ANGLE 16 MU=0.9446	ANGLE 17 SCALAR FLUX	
1.22E 01---1.50E 01	1.153E-C3	1.517E-C3	2.465E-03	3.260E-03	6.463E-03	1.549E-02	4.919E-02	6.280E-01	1.501E-01
1.00E 01---1.22E 01	2.309E-C3	3.135E-03	4.292E-03	4.734E-03	5.847E-03	8.930E-03	1.054E-02	4.899E-02	4.949E-02
8.19E 00---1.00E 01	1.736E-C3	2.414E-03	2.763E-03	4.099E-03	5.138E-03	7.509E-03	1.341E-02	2.466E-02	3.190E-02
6.36E 00---8.19E 00	1.757E-C3	2.413E-03	2.734E-03	3.750E-03	5.109E-03	7.097E-03	1.093E-02	1.887E-02	3.190E-02
4.97E 00---6.36E 00	3.546E-C3	3.173E-03	4.813E-03	5.309E-03	7.927E-03	1.093E-02	1.887E-02	5.812E-02	5.812E-02
4.07E 00---4.97E 00	4.921E-C3	5.850E-03	6.624E-03	7.612E-03	1.093E-02	1.455E-02	2.340E-02	4.887E-02	8.061E-02
3.01E 00---4.07E 00	5.312E-C3	5.189E-03	7.006E-03	7.977E-03	1.093E-02	1.453E-02	2.230E-02	4.297E-02	8.373E-02
2.46E 00---3.01E 00	6.749E-C3	9.982E-03	9.831E-03	1.387E-02	1.621E-02	2.334E-02	3.420E-02	6.824E-02	1.335E-01
2.35E 00---2.46E 00	9.725E-C3	1.398E-02	1.398E-02	1.632E-02	1.860E-02	3.142E-02	4.565E-02	7.780E-02	1.795E-01
1.83E 00---2.35E 00	9.855E-C3	1.217E-02	1.233E-02	1.411E-02	1.734E-02	1.936E-02	2.413E-02	3.386E-02	6.008E-02
1.11E 00---1.83E 00	1.092E-C2	1.369E-02	1.369E-02	1.411E-02	1.734E-02	1.936E-02	3.024E-02	4.557E-02	1.672E-01
5.50E 01---1.11E 00	1.979E-C2	1.979E-02	2.286E-02	2.316E-02	2.800E-02	3.061E-02	3.753E-02	4.880E-02	2.485E-01
1.11E 01---5.50E-01	2.729E-02	2.713E-02	2.977E-02	3.043E-02	3.3C5E-02	3.443E-02	3.716E-02	3.994E-02	3.389E-01
3.35E 02---1.11E-01	1.472E-01	1.500E-01	1.536E-01	1.567E-01	1.601E-01	1.628E-01	1.652E-01	1.667E-01	1.842E-00
5.83E 04---2.46E 00	1.213E-C1	1.249E-01	1.267E-01	1.283E-01	1.296E-01	1.306E-01	1.313E-01	1.313E-01	1.519E-00
1.01E 04---5.83E 04	7.104E 00	7.192E 00	7.279E 00	7.362E 00	7.436E 00	7.544E 00	7.570E 00	8.894E 01	8.894E 01
2.90E 05---1.01E 04	3.014E 01	3.047E 01	3.079E 01	3.110E 01	3.137E 01	3.159E 01	3.176E 01	3.773E 02	3.773E 02
1.07E 05---2.90E 05	8.683E C1	8.772E 01	8.859E 01	8.940E 01	9.012E 01	9.071E 01	9.139E 01	1.087E 03	1.087E 03
3.06E 06---1.07E 05	2.291E 02	2.313E 02	2.334E 02	2.353E 02	2.370E 02	2.384E 02	2.395E 02	2.601E 02	2.869E 03
1.12E 06---3.06E 06	6.065E 02	6.119E 02	6.218E 02	6.261E 02	6.295E 02	6.320E 02	6.335E 02	7.596E 03	7.596E 03
4.14E 07---1.12E 06	1.314E C3	1.324E 03	1.335E 03	1.353E 03	1.365E 03	1.366E 03	1.368E 03	1.368E 03	1.645E 04
0.0 ---4.14E-07	1.884E 03	1.898E 03	1.912E 03	1.925E 03	1.936E 03	1.944E 03	1.952E 03	2.362E 04	2.362E 04

4 PI R**2 FLUENCE AT 300.0 METERS

12.20 TO 15.00 MEV NEUTRON SOURCE

(NEUTRONS/MEV/STERADIAN/SOURCE NEUTRON)											
ENERGY GROUP (MEV)	ANGLE 1 MU=1.0000	ANGLE 2 MU=-0.9846	ANGLE 3 MU=-0.9656	ANGLE 4 MU=-0.7550	ANGLE 5 MU=-0.6179	ANGLE 6 MU=-0.4580	ANGLE 7 MU=-0.2816	ANGLE 8 MU=-0.0990	ANGLE 9 MU=-0.578E-04	SCALAR MU= 0.9894	FLUX MU= 0.9446
1.22E 01---1.5CE 01	-3.235E-04	-2.582E-04	-6.739E-05	5.161E-05	1.919E-04	1.522E-04	6.400E-05	9.368E-05	3.578E-05	3.523E-01	9.428E-02
1.00E 01---1.22E 01	1.307E-03	1.260E-03	1.185E-03	1.056E-03	9.754E-04	9.39E-04	1.137E-03	1.367E-03	1.650E-03	4.01E-01	1.963E-01
8.19E 00---1.00E 01	8.055E-04	8.01E-04	7.858E-04	7.667E-04	7.607E-04	8.366E-04	8.485E-04	9.629E-04	1.128E-03	1.641E-01	6.584E-02
6.36E 00---8.19E 00	8.654E-04	8.671E-04	8.754E-04	8.962E-04	9.371E-04	1.008E-03	1.119E-03	1.277E-03	1.492E-03	1.920E-01	1.920E-03
4.97E 00---6.36E 00	1.471E-03	1.475E-03	1.494E-03	1.539E-03	1.623E-03	1.756E-03	1.948E-03	2.205E-03	2.535E-03	2.535E-01	4.326E-04
4.07E 00---4.97E 00	2.566E-03	2.611E-03	2.698E-03	2.698E-03	2.825E-03	2.997E-03	2.224E-03	2.825E-03	3.925E-03	3.925E-01	4.257E-02
3.01E 00---4.07E 00	3.152E-03	3.182E-03	3.233E-03	3.316E-03	3.441E-03	3.622E-03	3.887E-03	3.987E-03	4.257E-03	4.257E-01	3.691E-02
2.46E 00---3.01E 00	5.554E-03	5.569E-03	5.585E-03	5.641E-03	5.740E-03	5.906E-03	6.175E-03	6.594E-03	7.198E-03	7.198E-01	7.198E-03
2.35E 00---2.46E 00	7.225E-03	7.278E-03	7.396E-03	7.932E-03	7.602E-03	8.433E-03	9.158E-03	1.019E-03	1.019E-03	1.019E-01	1.019E-03
1.83E 00---2.35E 00	6.894E-03	6.966E-03	7.123E-03	7.376E-03	7.749E-03	8.272E-03	8.984E-03	9.934E-03	9.934E-03	9.934E-01	9.934E-03
1.11E 00---1.83E 00	9.210E-03	9.256E-03	9.346E-03	9.566E-03	9.884E-03	1.034E-02	1.094E-02	1.172E-02	1.271E-02	1.271E-01	1.271E-02
5.50E-01---1.11E 00	1.690E-02	1.635E-02	1.712E-02	1.746E-02	1.796E-02	1.865E-02	1.955E-02	2.070E-02	2.213E-02	2.213E-01	2.213E-02
1.11E-01---5.50E-01	3.079E-02	3.084E-02	3.108E-02	3.153E-02	3.217E-02	3.40E-02	3.440E-02	3.539E-02	3.691E-02	3.691E-01	3.691E-02
3.35E-02---1.11E-01	2.095E-01	2.107E-01	2.125E-01	2.149E-01	2.181E-01	2.240E-01	2.265E-01	2.316E-01	2.316E-01	2.316E-01	2.316E-01
5.83E-04---3.35E-02	1.849E-01	1.850E-01	1.856E-01	1.868E-01	1.884E-01	1.906E-01	1.931E-01	1.960E-01	1.993E-01	1.993E-01	1.993E-01
1.01E-04---5.83E-04	1.125E-01	1.125E-01	1.128E-01	1.143E-01	1.143E-01	1.158E-01	1.169E-01	1.184E-01	1.202E-01	1.202E-01	1.202E-01
2.90E-05---1.01E-04	4.889E-01	4.893E-01	4.897E-01	4.922E-01	4.958E-01	5.004E-01	5.059E-01	5.121E-01	5.190E-01	5.190E-01	5.190E-01
1.07E-05---2.90E-05	1.422E-02	1.428E-02	1.432E-02	1.440E-02	1.450E-02	1.462E-02	1.478E-02	1.495E-02	1.514E-02	1.514E-02	1.514E-02
3.06E-06---1.07E-05	3.830E-02	3.833E-02	3.843E-02	3.861E-02	3.886E-02	3.919E-02	3.958E-02	4.002E-02	4.050E-02	4.050E-02	4.050E-02
1.12E-06---3.06E-06	1.026E-03	1.027E-03	1.030E-03	1.034E-03	1.041E-03	1.049E-03	1.059E-03	1.070E-03	1.083E-03	1.083E-03	1.083E-03
4.14E-07---1.12E-06	2.246E-03	2.248E-03	2.253E-03	2.263E-03	2.277E-03	2.294E-03	2.315E-03	2.338E-03	2.364E-03	2.364E-03	2.364E-03
0.0 ---4.14E-07	3.266E-03	3.268E-03	3.270E-03	3.290E-03	3.309E-03	3.332E-03	3.358E-03	3.388E-03	3.420E-03	3.420E-03	3.420E-03
ENERGY GROUP (MEV)	ANGLE 11 MU= 0.6930	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9894	SCALAR MU= 0.9894	FLUX MU= 0.9446	SCALAR MU= 0.9446	FLUX MU= 0.9894
1.22E 01---1.5CE 01	7.891E-04	1.898E-03	2.898E-03	5.345E-03	5.345E-03	5.345E-03	5.345E-03	5.345E-03	5.345E-03	5.345E-03	5.345E-03
1.00E 01---1.22E 01	1.997E-03	2.631E-03	3.196E-03	4.594E-03	7.377E-03	1.421E-02	4.01E-02	4.01E-02	4.01E-02	4.01E-02	4.01E-02
8.19E 00---1.00E 01	1.297E-03	1.676E-03	2.001E-03	3.716E-03	5.767E-03	1.001E-02	2.370E-02	2.370E-02	2.370E-02	2.370E-02	2.370E-02
6.36E 00---8.19E 00	2.125E-03	2.727E-03	3.531E-03	5.012E-03	7.600E-03	1.311E-02	2.677E-02	3.677E-02	3.677E-02	3.677E-02	3.677E-02
4.07E 00---6.36E 00	3.837E-03	4.27E-03	5.700E-03	7.608E-03	1.166E-02	2.116E-02	3.835E-02	3.985E-02	5.641E-02	5.641E-02	5.641E-02
3.01E 00---4.07E 00	5.331E-03	6.277E-03	8.098E-03	1.504E-02	2.504E-02	4.586E-02	4.586E-02	4.586E-02	6.002E-02	6.002E-02	6.002E-02
2.46E 00---3.01E 00	6.655E-03	6.553E-03	8.322E-03	1.060E-02	1.445E-02	2.093E-02	3.723E-02	3.723E-02	8.121E-02	8.121E-02	8.121E-02
2.35E 00---2.46E 00	1.374E-03	9.668E-03	1.164E-02	1.384E-02	1.846E-02	3.669E-02	5.287E-02	5.287E-02	5.540E-02	5.540E-02	5.540E-02
1.03E 00---2.35E 00	1.187E-02	1.668E-02	2.042E-02	2.666E-02	3.578E-02	5.270E-02	9.669E-02	9.669E-02	1.994E-01	1.994E-01	1.994E-01
1.11E 00---1.83E 00	1.415E-02	1.521E-02	1.780E-02	2.212E-02	2.777E-02	3.759E-02	6.047E-02	6.047E-02	1.721E-01	1.721E-01	1.721E-01
5.50E 00---1.11E 00	1.535E-02	1.767E-02	1.992E-02	2.338E-02	2.748E-02	3.374E-02	4.586E-02	4.586E-02	1.963E-01	1.963E-01	1.963E-01
1.11E 00---5.50E-01	3.838E-02	4.271E-02	4.540E-02	4.769E-02	5.047E-02	5.287E-02	5.540E-02	5.540E-02	4.916E-01	4.916E-01	4.916E-01
3.35E 00---1.11E 00	2.371E-01	2.491E-01	2.552E-01	2.607E-01	2.656E-01	2.699E-01	2.718E-01	2.718E-01	2.971E-00	2.971E-00	2.971E-00
5.83E-04---3.35E-02	2.037E-01	2.099E-01	2.133E-01	2.165E-01	2.191E-01	2.211E-01	2.222E-01	2.222E-01	2.536E-00	2.536E-00	2.536E-00
1.01E-04---5.83E-04	1.220E-01	1.239E-01	1.275E-01	1.291E-01	1.305E-01	1.314E-01	1.320E-01	1.320E-01	1.526E-02	1.526E-02	1.526E-02
2.90E-05---1.01E-04	5.262E-01	5.336E-01	5.409E-01	5.478E-01	5.540E-01	5.591E-01	5.628E-01	5.628E-01	6.584E-02	6.584E-02	6.584E-02
1.07E-05---2.90E-05	1.535E-02	1.555E-02	1.575E-02	1.594E-02	1.611E-02	1.626E-02	1.641E-02	1.641E-02	1.920E-03	1.920E-03	1.920E-03
3.06E-06---1.07E-05	4.101E-02	4.153E-02	4.203E-02	4.250E-02	4.292E-02	4.327E-02	4.367E-02	4.367E-02	5.132E-03	5.132E-03	5.132E-03
1.12E-06---3.06E-06	1.055E-03	1.078E-03	1.121E-03	1.133E-03	1.144E-03	1.152E-03	1.162E-03	1.162E-03	1.371E-04	1.371E-04	1.371E-04
4.14E-07---1.12E-06	2.391E-03	2.418E-03	2.444E-03	2.469E-03	2.491E-03	2.508E-03	2.522E-03	2.522E-03	2.992E-04	2.992E-04	2.992E-04
0.0 ---4.14E-07	3.454E-03	3.489E-03	3.524E-03	3.556E-03	3.584E-03	3.606E-03	3.621E-03	3.621E-03	4.326E-04	4.326E-04	4.326E-04

4 PI R**2 FLUENCE AT 400.0 METERS

12.20 TO 15.00 MEV NEUTRON SOURCE

(NEUTRONS/MEV/STERADIANS/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
1.22E 01---1.50E 01	-1.907E-04	-1.512E-04	MU=-0.9446	MU=-0.9446	MU=0.7550	MU=-0.6179	MU=0.4580	MU=-0.2816	MU=-0.0950
1.00E 01---1.22E 01	8.555E-04	8.393E-04	7.822E-04	4.617E-05	1.300E-04	9.803E-05	4.733E-05	8.698E-05	2.901E-04
8.19E 00---1.00E 01	5.793E-04	5.767E-04	7.067E-04	6.629E-04	6.837E-04	7.832E-04	9.481E-04	1.146E-03	8.737E-04
6.36E 00---8.19E 00	6.833E-04	6.847E-04	6.913E-04	7.085E-04	5.576E-04	5.815E-04	6.383E-04	1.042E-03	1.229E-03
4.97E 00---6.36E 00	1.229E-03	1.232E-03	1.248E-03	1.288E-03	1.362E-03	1.481E-03	1.653E-03	1.882E-03	2.174E-03
4.07E 00---4.97E 00	2.214E-03	2.224E-03	2.264E-03	2.341E-03	2.452E-03	2.604E-03	2.804E-03	3.427E-03	3.427E-03
3.01E 00---4.07E 00	2.746E-03	2.750E-03	2.770E-03	2.810E-03	2.878E-03	2.983E-03	3.139E-03	3.656E-03	3.689E-03
2.46E 00---3.01E 00	4.824E-03	4.829E-03	4.852E-03	4.904E-03	4.996E-03	5.151E-03	5.401E-03	5.789E-03	6.372E-03
2.35E 00---2.46E 00	6.357E-03	6.370E-03	6.429E-03	6.555E-03	6.770E-03	7.108E-03	7.613E-03	8.342E-03	9.372E-03
1.83E 00---2.35E 00	6.408E-03	6.427E-03	6.467E-03	6.667E-03	6.921E-03	7.294E-03	7.815E-03	8.524E-03	9.471E-03
1.11E 00---1.83E 00	9.043E-03	9.070E-03	9.182E-03	9.401E-03	9.731E-03	1.019E-02	1.080E-02	1.160E-02	1.261E-02
5.50E-01---1.11E 00	1.774E-02	1.778E-02	1.798E-02	1.836E-02	1.892E-02	1.970E-02	2.071E-02	2.199E-02	2.360E-02
1.11E-01---5.50E-01	3.515E-02	3.522E-02	3.551E-02	3.606E-02	3.684E-02	3.918E-02	4.260E-02	4.767E-02	5.460E-02
3.35E-02---1.11E-01	2.570E-01	2.573E-01	2.586E-01	2.609E-01	2.642E-01	2.685E-01	2.738E-01	2.799E-01	2.867E-01
5.83E-04---3.35E-02	2.323E-01	2.325E-01	2.334E-01	2.350E-01	2.373E-01	2.403E-01	2.438E-01	2.479E-01	2.525E-01
1.01E-04---5.83E-04	1.439E-01	1.441E-01	1.446E-01	1.455E-01	1.468E-01	1.485E-01	1.505E-01	1.528E-01	1.553E-01
2.90E-05---1.01E-04	6.329E-01	6.334E-01	6.355E-01	6.393E-01	6.446E-01	6.515E-01	6.597E-01	6.690E-01	6.793E-01
1.07E-05---2.90E-05	1.869E-02	1.870E-02	1.876E-02	1.887E-02	1.902E-02	1.922E-02	1.945E-02	1.972E-02	2.001E-02
3.06E-06---1.07E-05	5.068E-02	5.071E-02	5.087E-02	5.115E-02	5.155E-02	5.226E-02	5.267E-02	5.336E-02	5.411E-02
1.12E-06---3.06E-06	1.369E-03	1.370E-03	1.374E-03	1.381E-03	1.392E-03	1.405E-03	1.420E-03	1.438E-03	1.458E-03
4.14E-07---1.12E-06	3.019E-03	3.028E-03	3.044E-03	3.066E-03	3.094E-03	3.127E-03	3.165E-03	3.206E-03	3.246E-03
0.0 ---4.14E-07	4.423E-03	4.436E-03	4.458E-03	4.488E-03	4.526E-03	4.569E-03	4.618E-03	4.671E-03	4.713E-03
ENERGY GROUP (MEV)	ANGLE 10	ANGLE 11	ANGLE 12	ANGLE 13	ANGLE 14	ANGLE 15	ANGLE 16	ANGLE 17	SCALAR FLUX
1.22E 01---1.50E 01	MU= 0.950	MU= 0.2816	MU= 0.4580	MU= 0.6179	MU= 0.7550	MU= 0.8656	MU= 0.9446	MU= 0.9894	5.881E-02
1.00E 01---1.22E 01	6.393E-02	1.022E-03	1.422E-03	2.119E-03	4.055E-03	9.605E-03	2.582E-03	1.973E-01	2.788E-02
8.19E 00---1.00E 01	1.342E-03	1.558E-03	1.817E-03	2.311E-03	3.319E-03	5.059E-03	1.068E-02	2.935E-02	2.788E-02
6.36E 00---8.19E 00	1.471E-03	1.807E-03	2.284E-03	3.051E-03	4.931E-03	6.804E-03	9.970E-03	1.512E-02	2.600E-02
4.97E 00---6.36E 00	2.562E-03	3.051E-03	3.807E-03	4.931E-03	6.804E-03	9.970E-03	1.610E-02	3.336E-02	4.895E-02
4.07E 00---4.97E 00	3.928E-03	4.604E-03	5.634E-03	7.154E-03	9.547E-03	1.341E-02	2.038E-02	3.797E-02	7.023E-02
3.01E 00---4.07E 00	4.168E-03	4.813E-03	5.801E-03	7.195E-03	9.279E-03	1.239E-02	1.759E-02	2.872E-02	6.971E-02
2.46E 00---3.01E 00	7.290E-03	8.488E-03	1.024E-02	1.290E-02	1.678E-02	2.194E-02	3.373E-02	6.072E-02	1.261E-02
2.35E 00---2.46E 00	1.080E-02	1.286E-02	1.570E-02	1.985E-02	2.590E-02	3.532E-02	5.172E-02	9.209E-02	1.886E-02
1.83E 00---2.35E 00	1.070E-02	1.239E-02	1.453E-02	1.746E-02	2.137E-02	2.693E-02	3.549E-02	5.359E-02	1.639E-01
1.11E 00---1.83E 00	1.385E-02	1.749E-02	1.949E-02	2.137E-02	2.302E-02	2.695E-02	3.206E-02	4.015E-02	1.928E-01
5.50E-01---1.11E 00	2.565E-02	3.097E-02	3.797E-02	4.441E-02	3.860E-02	4.344E-02	4.923E-02	5.685E-02	3.427E-01
1.11E-01---5.50E-01	4.478E-02	4.708E-02	4.977E-02	5.253E-02	5.547E-02	5.828E-02	6.087E-02	6.288E-02	5.674E-01
3.35E-02---1.11E-01	2.943E-01	3.021E-01	3.102E-01	3.182E-01	3.256E-01	3.319E-01	3.368E-01	3.398E-01	3.683E-00
5.83E-04---3.35E-02	2.573E-01	2.624E-01	2.674E-01	2.722E-01	2.766E-01	2.803E-01	2.846E-01	3.218E-00	3.218E-00
1.01E-04---5.83E-04	1.580E-01	1.608E-01	1.635E-01	1.661E-01	1.685E-01	1.705E-01	1.719E-01	1.728E-01	1.976E-02
2.90E-05---1.01E-04	6.903E-01	7.015E-01	7.125E-01	7.230E-01	7.324E-01	7.459E-01	7.492E-01	8.632E-02	8.632E-02
1.07E-05---2.90E-05	2.033E-02	2.064E-02	2.125E-02	2.152E-02	2.174E-02	2.190E-02	2.199E-02	2.542E-03	2.542E-03
3.06E-06---1.07E-05	5.491E-02	5.573E-02	5.653E-02	5.729E-02	5.796E-02	5.852E-02	5.893E-02	5.916E-02	6.868E-03
1.12E-06---3.06E-06	1.479E-03	1.500E-03	1.520E-03	1.540E-03	1.557E-03	1.571E-03	1.581E-03	1.587E-03	1.849E-04
4.14E-07---1.12E-06	3.250E-03	3.294E-03	3.338E-03	3.414E-03	3.444E-03	3.466E-03	3.479E-03	4.065E-04	4.065E-04
0.C -----4.14E-07	4.727E-03	4.786E-03	4.843E-03	4.897E-03	4.981E-03	5.007E-03	5.022E-03	5.917E-04	5.917E-04

4 PI R**2 FLUENCE AT 500.0 METERS

12.20 TO 15.00 MEV NEUTRON SOURCE

(NEUTRONS/MEV/STERADIANT/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=1.0000	ANGLE 2 MU=-0.9994	ANGLE 3 MU=-0.9946	ANGLE 4 MU=-0.8656	ANGLE 5 MU=-0.7550	ANGLE 6 MU=-0.6179	ANGLE 7 MU=-0.4580	ANGLE 8 MU=-0.2816	ANGLE 9 MU=-0.0950
1.22E 01----1.50E 01	-1.692E-04	-8.588E-05	-1.508E-05	3.458E-05	8.377E-05	6.150E-05	3.546E-05	7.219E-05	2.156E-04
1.00E 01----1.22E 01	5.416E-04	5.323E-04	4.996E-04	4.572E-04	4.344E-04	4.518E-04	6.188E-04	6.614E-04	6.359E-04
8.19E 00----1.00E 01	3.962E-04	3.948E-04	3.901E-04	3.857E-04	3.891E-04	4.090E-04	4.538E-04	5.289E-04	6.359E-04
6.36E 00----8.19E 00	5.085E-04	5.094E-04	5.145E-04	5.280E-04	5.564E-04	6.064E-04	6.856E-04	7.989E-04	9.504E-04
4.97E 00----6.36E 00	9.644E-04	9.670E-04	9.799E-04	1.012E-03	1.073E-03	1.172E-03	1.314E-03	1.502E-03	1.742E-03
4.07E 00----4.97E 00	1.796E-03	1.796E-03	1.892E-03	1.892E-03	1.926E-03	2.040E-03	2.040E-03	2.489E-03	2.489E-03
3.01E 00----4.07E 00	2.222E-03	2.222E-03	2.240E-03	2.270E-03	2.322E-03	2.421E-03	2.528E-03	2.710E-03	2.972E-03
2.46E 00----3.01E 00	3.872E-03	3.877E-03	3.897E-03	3.942E-03	4.021E-03	4.156E-03	4.372E-03	4.708E-03	5.213E-03
2.35E 00----2.46E 00	5.164E-03	5.177E-03	5.244E-03	5.354E-03	5.555E-03	5.867E-03	6.325E-03	6.983E-03	7.909E-03
1.83E 00----2.35E 00	5.493E-03	5.490E-03	5.533E-03	5.710E-03	5.936E-03	6.274E-03	6.743E-03	7.381E-03	8.234E-03
1.11E 00----1.83E 00	8.037E-03	8.061E-03	8.164E-03	8.364E-03	8.666E-03	9.086E-03	9.647E-03	1.037E-02	1.130E-02
5.50E-01----1.11E 00	1.6662E-02	1.6666E-02	1.6866E-02	1.723E-02	1.777E-02	1.855E-02	1.954E-02	2.081E-02	2.240E-02
1.11E-01----5.50E-01	3.520E-02	3.528E-02	3.598E-02	3.615E-02	3.656E-02	3.806E-02	3.943E-02	4.108E-02	4.302E-02
3.35E-02----1.11E-01	2.719E-01	2.722E-01	2.737E-01	2.763E-01	2.806E-01	2.849E-01	2.908E-01	2.977E-01	3.055E-01
5.83E-04----3.35E-02	2.502E-01	2.504E-01	2.515E-01	2.534E-01	2.560E-01	2.595E-01	2.636E-01	2.683E-01	2.736E-01
1.01E-04----5.83E-04	1.573E-01	1.575E-01	1.591E-01	1.592E-01	1.601E-01	1.627E-01	1.651E-01	1.678E-01	1.708E-01
2.90E-05----1.01E-04	6.984E-01	6.990E-01	7.015E-01	7.061E-01	7.125E-01	7.208E-01	7.307E-01	7.421E-01	7.546E-01
1.07E-05----2.90E-05	2.077E-02	2.079E-02	2.086E-02	2.100E-02	2.118E-02	2.142E-02	2.171E-02	2.204E-02	2.240E-02
3.06E-06----1.C7E-05	5.681E-02	5.686E-02	5.705E-02	5.741E-02	5.790E-02	5.853E-02	5.929E-02	6.016E-02	6.110E-02
1.12E-06----3.C6E-05	1.545E-03	1.546E-03	1.551E-03	1.560E-03	1.573E-03	1.590E-03	1.610E-03	1.632E-03	1.657E-03
4.14E-07----1.12E-06	3.425E-03	3.428E-03	3.339E-03	3.458E-03	3.486E-03	3.522E-03	3.565E-03	3.613E-03	3.666E-03
0.0-----4.14E-07	5.051E-03	5.054E-03	5.070E-03	5.099E-03	5.137E-03	5.186E-03	5.241E-03	5.304E-03	5.373E-03
ENERGY GROUP (MEV)	ANGLE 11 MU= 0.0950	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.2816	ANGLE 14 MU= 0.6179	ANGLE 15 MU= 0.7550	ANGLE 16 MU= 0.8656	ANGLE 17 MU= 0.9446	ANGLE 18 MU= 0.9894	ANGLE 19 MU= 1.06E-01
1.22E 01----1.50E 01	4.487E-04	7.118E-04	1.927E-04	1.495E-03	1.578E-03	2.319E-03	3.912E-03	7.611E-03	3.915E-02
1.00E 01----1.22E 01	8.988E-04	1.04CE-03	1.229E-03	1.648E-03	2.400E-03	3.854E-03	6.875E-03	1.561E-02	1.740E-02
6.19E 00----1.00E 01	7.760E-04	9.601E-04	1.222E-03	1.648E-03	2.445E-03	5.524E-03	9.482E-03	2.482E-02	4.915E-02
6.36E 00----8.19E 00	1.416E-03	1.418E-03	1.471E-03	3.086E-03	4.048E-03	5.6CE-03	8.255E-03	1.319E-02	2.618E-02
4.97E 00----6.36E 00	2.050E-03	2.471E-03	3.773E-03	4.628E-03	5.922E-03	7.921E-03	1.112E-02	1.664E-02	2.946E-02
4.07E 00----4.97E 00	3.191E-03	3.191E-03	3.351E-03	4.689E-03	5.831E-03	8.994E-03	1.363E-02	2.034E-02	5.563E-02
3.01E 00----4.07E 00	3.01E-03	3.01E-03	7.037E-03	8.606E-03	1.090E-02	1.431E-02	1.960E-02	2.864E-02	4.968E-02
2.46E 00----3.01E 00	3.01E-03	3.01E-03	7.037E-03	8.606E-03	1.090E-02	1.431E-02	1.960E-02	2.864E-02	4.968E-02
2.35E 00----2.46E 00	9.210E-03	1.104E-02	1.355E-02	1.742E-02	2.301E-02	3.165E-02	4.643E-02	8.069E-02	1.635E-01
1.83E 00----2.35E 00	9.364E-03	1.085E-02	1.281E-02	1.540E-02	1.888E-02	2.368E-02	3.076E-02	4.415E-02	6.427E-01
1.01E-04----5.83E-04	1.11E-03	1.390E-02	1.674E-02	2.061E-02	2.391E-02	2.794E-02	3.338E-02	3.718E-01	4.176E-02
5.1CE-01----1.11E-01	2.435E-02	2.673E-02	2.959E-02	3.299E-02	3.692E-02	4.144E-02	4.645E-02	5.212E-02	5.253E-01
1.11E-01----5.50E-01	4.525E-02	4.775E-02	5.048E-02	5.338E-02	5.631E-02	5.913E-02	6.156E-02	6.328E-02	5.733E-01
3.35E-02----1.11E-01	3.139E-01	3.229E-01	3.30E-01	3.409E-01	3.492E-01	3.563E-01	3.617E-01	3.649E-01	3.928E-00
5.83E-04----3.35E-02	2.793E-01	2.851E-01	2.910E-01	2.966E-01	3.01E-01	3.059E-01	3.109E-01	3.491E-01	3.491E-00
1.01E-04----5.83E-04	1.741E-01	1.774E-01	1.807E-01	1.838E-01	1.866E-01	1.890E-01	1.907E-01	1.917E-01	2.176E-02
2.90E-05----1.01E-04	7.679E-01	7.816E-01	7.911E-01	8.080E-01	8.190E-01	8.290E-01	8.360E-01	8.401E-01	9.601E-02
1.07E-05----2.90E-05	2.279E-02	2.318E-02	2.357E-02	2.394E-02	2.427E-02	2.454E-02	2.474E-02	2.486E-02	2.849E-03
3.06E-06----1.07E-05	6.211E-02	6.314E-02	6.445E-02	6.511E-02	6.591E-02	6.667E-02	6.720E-02	6.750E-02	7.765E-03
1.12E-06----3.C6E-06	1.683E-03	1.710E-03	1.737E-03	1.762E-03	1.788E-03	1.802E-03	1.816E-03	1.823E-03	2.105E-04
4.14E-07----1.12E-06	3.723E-03	3.780E-03	3.836E-03	3.889E-03	3.932E-03	3.975E-03	4.004E-03	4.055E-03	5.816E-04
0.0-----4.14E-07	5.447E-03	5.524E-03	5.599E-03	5.670E-03	5.731E-03	5.781E-03	5.816E-03	5.835E-03	6.816E-04

4 PI R**2 FLUENCE AT 600.0 METERS

12.20 TO 15.00 MEV NEUTRON SOURCE

(NEUTRONS/MEV/STERADIANS/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
	MU=-0.0000	MU=-0.9446	MU=-0.8656	MU=-0.7550	MU=-0.6179	MU=-0.5580	MU=-0.2816	MU=-0.0950	
1.22E 01---1.50E 01	-6.143E-05	-4.796E-05	-6.454E-06	2.381E-05	5.200E-05	3.818E-05	2.606E-05	5.511E-05	1.512E-04
1.00E 01---1.22E 01	3.39E-04	3.307E-04	3.16E-04	2.893E-04	2.780E-04	2.907E-04	3.342E-04	4.916E-04	4.050E-04
8.19E 00---1.00E 01	2.626E-04	2.620E-04	2.599E-04	2.585E-04	2.626E-04	2.781E-04	3.113E-04	3.665E-04	4.451E-04
6.36E 00---8.19E 00	3.644E-04	3.651E-04	3.639E-04	3.793E-04	4.009E-04	4.399E-04	5.014E-04	5.892E-04	7.060E-04
4.97E 00---6.36E 00	7.294E-04	7.644E-04	8.123E-04	8.123E-04	8.591E-04	1.002E-04	1.149E-03	1.336E-03	1.759E-03
4.07E 00---4.97E 00	1.387E-03	1.433E-03	1.433E-03	1.466E-03	1.532E-03	1.629E-03	1.757E-03	1.927E-03	2.159E-03
3.01E 00---4.07E 00	1.16E-03	1.719E-03	1.719E-03	1.759E-03	1.789E-03	1.850E-03	1.944E-03	2.084E-03	2.287E-03
2.46E 00---3.01E 00	2.959E-03	2.963E-03	2.900E-03	3.017E-03	3.032E-03	3.192E-03	3.369E-03	3.444E-03	4.058E-03
2.35E 00---2.46E 00	3.987E-03	3.999E-03	4.000E-03	4.030E-03	4.156E-03	4.596E-03	4.985E-03	5.538E-03	6.317E-03
1.83E 00---2.35E 00	4.431E-03	4.431E-03	4.433E-03	4.618E-03	4.812E-03	5.094E-03	5.489E-03	6.026E-03	6.745E-03
1.11E 00---1.83E 00	6.697E-03	6.718E-03	6.805E-03	6.976E-03	7.232E-03	7.591E-03	8.069E-03	8.687E-03	9.473E-03
5.50E-01---1.11E 00	1.456E-02	1.456E-02	1.456E-02	1.456E-02	1.502E-02	1.621E-02	1.711E-02	1.826E-02	1.970E-02
1.11E-01---5.50E-01	3.235E-02	3.242E-02	3.271E-02	3.326E-02	3.404E-02	3.508E-02	3.638E-02	3.798E-02	3.981E-02
3.35E-02---1.11E-01	2.611E-01	2.615E-01	2.629E-01	2.656E-01	2.693E-01	2.742E-01	2.802E-01	2.872E-01	2.950E-01
5.83E-04---3.35E-02	2.35E-01	2.439E-01	2.436E-01	2.449E-01	2.496E-01	2.532E-01	2.574E-01	2.623E-01	2.677E-01
1.01E-04---5.83E-04	1.550E-01	1.551E-01	1.555E-01	1.569E-01	1.585E-01	1.606E-01	1.631E-01	1.659E-01	1.691E-01
2.90E-05---1.01E-04	6.531E-01	6.938E-01	6.938E-01	6.944E-01	7.013E-01	7.081E-01	7.169E-01	7.274E-01	7.395E-01
1.07E-05---2.90E-05	2.074E-02	2.075E-02	2.083E-02	2.098E-02	2.118E-02	2.143E-02	2.174E-02	2.210E-02	2.274E-02
3.06E-06---1.07E-05	5.711E-02	5.716E-02	5.775E-02	5.828E-02	5.892E-02	5.979E-02	6.073E-02	6.176E-02	6.247E-02
1.12E-06---3.06E-06	1.562E-03	1.562E-03	1.568E-03	1.578E-03	1.592E-03	1.610E-03	1.632E-03	1.657E-03	1.684E-03
4.14E-07---1.12E-06	3.478E-03	3.481E-03	3.493E-03	3.515E-03	3.546E-03	3.585E-03	3.632E-03	3.686E-03	3.745E-03
0.0	5.157E-03	5.161E-03	5.179E-03	5.210E-03	5.253E-03	5.306E-03	5.368E-03	5.438E-03	5.515E-03
ENERGY GROUP (MEV)	ANGLE 1C	ANGLE 11	ANGLE 12	ANGLE 13	ANGLE 14	ANGLE 15	ANGLE 16	ANGLE 17	SCALAR FLUX
	MU= 0.0950	MU= 0.4580	MU= 0.6179	MU= 0.5580	MU= 0.502E-02	MU= 0.5580	MU= 0.4946	MU= 0.9894	
1.22E 01---1.50E 01	3.025E-04	4.729E-04	6.620E-04	1.011E-03	1.955E-03	4.526E-03	1.149E-02	6.020E-02	2.222E-02
1.00E 01---1.22E 01	5.824E-04	6.779E-04	8.077E-04	1.052E-03	1.572E-03	2.696E-03	5.251E-03	1.358E-02	1.278E-02
8.19E 00---1.00E 01	5.481E-04	6.832E-04	8.782E-04	1.200E-03	1.786E-03	2.701E-03	4.243E-03	1.170E-02	1.273E-02
6.36E 00---8.19E 00	1.065E-03	1.375E-03	1.878E-03	2.755E-03	4.415E-03	6.516E-03	1.033E-02	1.969E-02	3.066E-02
4.97E 00---6.36E 00	1.908E-03	2.397E-03	3.165E-03	4.664E-03	6.257E-03	8.767E-03	1.296E-02	2.194E-02	4.457E-02
4.07E 00---4.97E 00	2.481E-03	3.629E-03	4.897E-03	4.495E-03	5.743E-03	7.526E-03	1.015E-02	1.477E-02	4.242E-02
3.01E 00---4.07E 00	2.581E-03	3.006E-03	4.667E-03	5.555E-03	8.729E-03	1.153E-02	1.585E-02	2.304E-02	8.302E-02
2.46E 00---3.01E 00	4.667E-03	5.50E-03	8.957E-03	1.117E-02	1.440E-02	1.921E-02	2.667E-02	3.924E-02	6.666E-02
2.35E 00---2.46E 00	7.410E-03	8.957E-03	1.117E-02	1.440E-02	1.788E-02	2.178E-02	2.516E-02	3.139E-02	4.171E-01
1.83E 00---3.35E 00	7.696E-03	8.949E-03	1.060E-02	1.320E-02	1.505E-02	1.727E-02	1.992E-02	2.298E-02	2.659E-02
1.11E 00---1.83E 00	1.168E-02	1.466E-02	2.362E-02	2.620E-02	2.924E-02	3.273E-02	3.664E-02	4.079E-02	4.495E-02
5.50E-01---1.11E 00	2.114E-02	2.374E-02	2.414E-02	2.414E-02	2.414E-02	2.414E-02	2.414E-02	2.513E-02	2.863E-01
1.11E-01---5.50E-01	4.194E-02	4.432E-02	4.694E-02	4.694E-02	4.964E-02	5.239E-02	5.498E-02	5.715E-02	5.310E-01
3.35E-02---1.11E-01	3.035E-01	3.125E-01	3.217E-01	3.307E-01	3.390E-01	3.446E-01	3.515E-01	3.546E-01	3.796E-00
5.83E-04---3.35E-02	2.355E-01	2.796E-01	2.856E-01	2.914E-01	2.966E-01	3.010E-01	3.042E-01	3.061E-01	3.419E-00
1.01E-04---5.83E-04	1.725E-01	1.760E-01	1.827E-01	1.857E-01	1.882E-01	1.911E-01	1.941E-01	2.156E-02	
1.11E 00---1.01E-04	7.815E-01	7.960E-01	8.096E-01	8.219E-01	8.321E-01	8.396E-01	8.440E-01	9.586E-02	
1.07E-05---2.90E-05	2.290E-02	2.332E-02	2.414E-02	2.449E-02	2.479E-02	2.501E-02	2.531E-02	2.862E-03	
3.06E-06---1.07E-05	6.286E-02	6.398E-02	6.614E-02	6.707E-02	6.785E-02	6.842E-02	6.875E-02	7.857E-03	
1.12E-06---3.06E-06	1.713E-03	1.742E-03	1.799E-03	1.844E-03	1.869E-03	1.886E-03	1.911E-03	2.141E-04	
4.14E-07---1.12E-06	3.807E-03	3.933E-03	3.993E-03	4.045E-03	4.089E-03	4.121E-03	4.139E-03	4.759E-04	
0.0	5.598E-07	5.684E-03	5.769E-03	5.848E-03	5.918E-03	5.974E-03	6.036E-03	6.036E-04	

4 PI R**2 FLUENCE AT 90.0 C METERS

12.20 TO 15.00 MEV NEUTRON SOURCE

(NEUTRONS/MEV/STERADIANSOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
1.22E-01---1.50E 01	MU=-0.9894	MU=-0.9446	MU=-0.8656	MU=-0.6179	MU=-0.4580	MU=-0.2816	MU=-0.0950		
-7.922E-06 -6.442E-08	-7.199E-06	-6.199E-05	-1.140E-05	-8.812E-06	-6.606E-06	-1.817E-05	-4.246E-05		
7.456E-05 7.378E-05	7.103E-05	6.766E-05	6.658E-05	7.034E-05	8.087E-05	9.013E-05	1.201E-04		
6.874E-05 6.903E-05	6.903E-05	6.988E-05	7.220E-05	7.777E-05	8.884E-05	1.072E-04	1.336E-04		
8.19E 00---1.00E 01	1.194E-04	1.240E-04	1.240E-04	1.772E-04	1.722E-04	2.065E-04	2.519E-04		
6.37E 00---8.19E 00	1.182E-04	1.194E-04	1.240E-04	1.325E-04	1.325E-04	1.655E-04	2.065E-04		
4.97E 00---6.36E 00	2.729E-04	2.769E-04	2.871E-04	3.066E-04	3.385E-04	3.840E-04	4.435E-04		
4.07E 00---4.97E 00	5.462E-04	5.565E-04	5.58E-04	6.039E-04	6.423E-04	6.936E-04	7.626E-04		
3.01E 00---4.07E 00	6.725E-04	6.757E-04	6.829E-04	6.962E-04	7.186E-04	7.538E-04	8.072E-04		
2.46E 00---3.01E 00	1.120E-03	1.128E-03	1.146E-03	1.175E-03	1.225E-03	1.304E-03	1.426E-03		
2.35E 00---2.46E 00	1.542E-03	1.551E-03	1.632E-03	1.718E-03	1.847E-03	2.031E-03	2.290E-03		
1.83E 00---2.35E 00	1.908E-03	1.939E-03	1.998E-03	2.090E-03	2.224E-03	2.410E-03	2.663E-03		
1.11E 00---1.83E 00	3.096E-03	3.139E-03	3.220E-03	3.344E-03	3.517E-03	3.747E-03	4.045E-03		
5.50E-01---1.11E 00	7.354E-03	7.451E-03	7.635E-03	7.909E-03	8.286E-03	8.780E-03	9.412E-03		
1.11E-01---5.50E-C1	1.844E-C2	1.848E-02	1.866E-02	1.899E-02	1.947E-02	2.011E-02	2.091E-02		
3.35E-02---1.11E-01	1.632E-01	1.635E-01	1.645E-01	1.676E-01	1.689E-01	1.722E-01	1.763E-01		
5.83E-04---3.35E-02	1.566E-01	1.568E-01	1.576E-01	1.589E-01	1.609E-01	1.634E-01	1.664E-01		
1.01E-04---5.83E-04	1.021E 01	1.025E 01	1.034E 01	1.045E 01	1.061E 01	1.079E 01	1.100E 01		
2.90E-05---1.01E-04	4.633E 01	4.655E 01	4.687E 01	4.742E 01	4.808E 01	4.887E 01	4.978E 01		
1.07E-05---2.90E-05	1.403E C2	1.409E 02	1.420E 02	1.435E 02	1.455E 02	1.478E 02	1.505E 02		
3.06E-06---1.07E-05	3.919E 02	3.935E 02	3.965E 02	4.006E 02	4.050E 02	4.124E 02	4.198E 02		
1.12E-06---3.06E-06	1.083E 03	1.087E 03	1.095E 03	1.106E 03	1.121E 03	1.138E 03	1.160E 03		
4.14E-07---1.12E-06	2.438E 03	2.447E 03	2.465E 03	2.489E 03	2.525E 03	2.559E 03	2.630E 03		
0.0 ---4.14E-07	3.655E 03	3.669E 03	3.679E 03	3.729E 03	3.772E 03	3.823E 03	3.881E 03		
1.22E 01---1.50E 01	7.858E-C5	1.199E-04	1.708E-04	2.710E-04	5.300E-04	1.191E-03	2.844E-03	1.097E-02	4.879E-03
1.00E 01---1.22E 01	1.444E-04	1.713E-04	2.097E-04	2.840E-04	4.444E-04	7.878E-04	1.532E-03	3.435E-03	
8.19E 00---1.00E 01	2.143E-04	2.824E-04	4.009E-04	6.265E-04	1.070E-03	1.972E-03	4.216E-03	4.331E-03	
6.36E 00---8.19E 00	3.108E-04	3.920E-04	5.172E-04	7.299E-04	1.1C9E-03	1.975E-03	3.081E-03	6.040E-03	7.336E-03
4.97E 00---6.36E 00	6.158E-04	7.515E-04	9.568E-04	1.285E-03	1.819E-03	2.698E-03	4.196E-03	7.285E-03	
4.07E 00---4.97E 00	9.911E-C4	1.186E-03	1.476E-03	1.915E-03	2.581E-03	3.555E-03	5.160E-03	7.891E-03	1.781E-02
3.01E 00---4.07E 00	1.902E-03	1.002E-03	1.405E-03	1.737E-03	2.193E-03	2.804E-03	3.609E-03	4.691E-03	1.606E-02
2.46E 00---3.01E 00	1.880E-03	2.276E-03	2.853E-03	3.701E-03	4.957E-03	6.859E-03	9.868E-03	1.548E-02	3.417E-02
2.35E 00---2.46E 00	3.898E-03	4.965E-03	6.552E-03	8.963E-03	8.963E-03	8.963E-03	8.963E-03	5.997E-02	5.997E-02
1.83E 00---2.35E 00	3.451E-03	4.044E-03	4.822E-03	5.842E-03	7.171E-03	8.903E-03	1.116E-02	1.426E-02	5.230E-02
1.11E 00---1.83E 00	4.897E-03	5.482E-03	6.197E-03	7.055E-03	8.058E-03	9.162E-03	1.035E-02	1.141E-02	6.663E-02
5.50E-01---1.11E 00	1.118E-02	1.236E-02	1.37E-02	1.541E-02	1.726E-02	1.925E-02	2.119E-02	2.277E-02	1.488E-01
1.11E-01---5.50E-01	2.432E-C2	2.578E-02	2.737E-02	2.902E-02	3.217E-02	3.666E-02	3.941E-02	3.977E-01	3.417E-01
3.35E-02---1.11E 00	1.923E-01	2.048E-01	2.109E-01	2.166E-01	2.244E-01	2.250E-01	2.272E-01	2.404E-01	
2.83E-04---3.35E-02	1.775E-01	1.822E-01	1.865E-01	1.906E-01	1.943E-01	1.974E-01	1.997E-01	2.010E-01	2.222E-01
1.01E-04---5.83E-04	1.148E C1	1.174E 01	1.200E 01	1.224E 01	1.246E 01	1.278E 01	1.286E 01	1.344E 01	
2.9CE-05---1.01E-04	5.185E 01	5.295E 01	5.404E 01	5.508E 01	5.601E 01	5.679E 01	5.736E 01	5.769E 01	6.478E 02
1.07E-05---2.90E-05	1.567E 02	1.600E 02	1.663E 02	1.714E 02	1.730E 02	1.740E 02	1.770E 02	1.958E 03	
3.06E-06---1.07E-05	4.365E 02	4.454E 02	4.541E 02	4.625E 02	4.699E 02	4.761E 02	4.806E 02	4.833E 02	5.53E 03
1.12E-06---3.06E-06	1.227E 03	1.250E 03	1.272E 03	1.292E 03	1.309E 03	1.321E 03	1.328E 03	1.503E 03	
4.14E-07---1.12E-06	2.701E 03	2.753E 03	2.805E 03	2.853E 03	2.897E 03	2.959E 03	3.032E 03	3.375E 04	
0.0 ---4.14E-07	4.014E 03	4.085E 03	4.155E 03	4.222E 03	4.28CE 03	4.327E 03	4.361E 03	4.386E 03	5.019E 04

4 PI R*#2 FLUENCE AT 1200.0 METERS

12.20 TO 15.00 MEV NEUTRON SOURCE

(NEUTRONS/MEV/STERADIANS/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
1.22E 01---1.50E 01	MU=0.1.0000	MU=0.9894	MU=0.9446	MU=0.8656	MU=0.7550	MU=0.6179	MU=0.4580	MU=0.2816	MU=0.0950
1.00E 01---1.22E 01	-1.256E-06	-1.702E-06	3.231E-08	1.571E-06	2.271E-06	1.939E-06	2.455E-06	4.630E-06	1.015E-05
1.00E 01---1.00E 01	1.556E-05	1.544E-05	1.512E-05	1.472E-05	1.472E-05	1.564E-05	1.798E-05	2.191E-05	2.712E-05
8.19E 00---1.00E 01	1.642E-05	1.650E-05	1.678E-05	1.728E-05	1.810E-05	1.974E-05	2.222E-05	3.607E-05	3.607E-05
6.36E 00---8.19E 00	3.452E-05	3.473E-05	3.526E-05	3.668E-05	3.965E-05	4.494E-05	5.322E-05	6.489E-05	8.022E-05
4.97E 00---6.36E 00	9.092E-05	9.119E-05	9.260E-05	9.619E-05	1.031E-04	1.144E-04	1.304E-04	1.512E-04	1.773E-04
4.07E 00---4.97E 00	1.885E-04	1.877E-04	1.921E-04	1.988E-04	2.082E-04	2.218E-04	2.397E-04	2.639E-04	2.974E-04
3.01E 00---4.07E 00	2.298E-04	2.307E-04	2.371E-04	2.433E-04	2.500E-04	2.590E-04	2.740E-04	3.008E-04	3.008E-04
2.46E 00---3.01E 00	3.706E-04	3.713E-04	3.745E-04	3.810E-04	3.924E-04	4.110E-04	4.404E-04	4.857E-04	5.537E-04
2.35E 00---2.46E 00	5.240E-04	5.240E-04	5.349E-04	5.566E-04	5.904E-04	6.403E-04	7.109E-04	9.485E-04	9.485E-04
1.83E 00---2.35E 00	6.922E-04	6.949E-04	7.069E-04	7.302E-04	7.660E-04	8.179E-04	8.896E-04	9.872E-04	1.118E-03
1.11E 00---1.83E 00	1.174E-03	1.178E-03	1.195E-03	1.222E-03	1.274E-03	1.342E-03	1.422E-03	1.548E-03	1.696E-03
5.50E-01---1.11E 00	2.971E-03	2.981E-03	3.022E-03	3.100E-03	3.216E-03	3.376E-03	3.586E-03	3.854E-03	4.190E-03
1.11E-01---5.50E-01	8.064E-03	8.053E-03	8.164E-03	8.316E-03	8.534E-03	8.825E-03	9.632E-03	9.818E-03	1.015E-02
3.35E-02---1.11E 00	7.561E-02	7.573E-02	7.621E-02	7.709E-02	7.833E-02	7.998E-02	8.196E-02	8.428E-02	8.690E-02
5.83E-04---3.35E-02	7.377E-02	7.386E-02	7.423E-02	7.491E-02	7.587E-02	7.711E-02	7.805E-02	8.033E-02	8.224E-02
1.01E-04---5.83E-04	4.867E-00	4.872E-00	4.896E-00	4.938E-00	4.998E-00	5.175E-00	5.174E-00	5.391E-00	5.391E-00
2.90E-05---1.01E-04	2.233E-01	2.233E-01	2.243E-01	2.243E-01	2.288E-01	2.321E-01	2.362E-01	2.460E-01	2.460E-01
1.07E-05---2.90E-05	6.793E-01	6.806E-01	6.837E-01	6.893E-01	6.971E-01	7.073E-01	7.194E-01	7.335E-01	7.489E-01
3.06E-06---1.07E-05	1.915E-02	1.917E-02	1.926E-02	1.944E-02	1.991E-02	2.024E-02	2.063E-02	2.105E-02	2.105E-02
1.12E-06---3.06E-06	5.327E-02	5.332E-02	5.355E-02	5.397E-02	5.456E-02	5.523E-02	5.623E-02	5.727E-02	5.842E-02
4.14E-07---1.12E-06	1.206E-03	1.208E-03	1.213E-03	1.222E-03	1.235E-03	1.252E-03	1.272E-03	1.295E-03	1.321E-03
0.0 ---4.14E-07	1.821E-03	1.823E-03	1.830E-03	1.844E-03	1.862E-03	1.886E-03	1.913E-03	1.944E-03	1.979E-03
ENERGY GROUP (MEV)	ANGLE 10	ANGLE 11	ANGLE 12	ANGLE 13	ANGLE 14	ANGLE 15	ANGLE 16	ANGLE 17	SCALAR FLUX
1.22E 01---1.50E 01	MU= 0.0950	MU= 0.2816	MU= 0.4580	MU= 0.6179	MU= 0.7550	MU= 0.8556	MU= 0.9446	MU= 0.9894	1.022E-03
1.00E 01---1.22E 01	1.804E-05	3.311E-05	4.010E-05	5.046E-05	7.086E-05	1.149E-04	2.080E-04	6.244E-04	6.475E-04
8.19E 00---1.00E 01	4.638E-05	6.011E-05	8.108E-05	1.191E-04	1.940E-04	3.435E-04	6.344E-04	1.017E-04	8.475E-04
6.36E 00---8.19E 00	1.002E-04	1.282E-04	1.526E-04	2.050E-04	3.479E-04	6.479E-04	1.03E-03	2.047E-03	1.310E-03
4.97E 00---6.36E 00	2.114E-04	2.597E-04	3.339E-04	4.555E-04	6.777E-04	9.144E-04	1.265E-03	2.395E-03	4.220E-03
4.07E 00---4.97E 00	4.151E-04	5.198E-04	6.777E-04	9.777E-04	1.292E-04	1.952E-04	2.727E-04	5.343E-03	6.184E-03
3.01E 00---4.07E 00	3.399E-04	3.962E-04	4.754E-04	5.842E-04	7.292E-04	9.292E-04	1.430E-03	1.889E-03	1.343E-03
2.46E 00---3.01E 00	6.542E-04	8.009E-04	1.346E-03	1.342E-03	1.800E-03	2.500E-03	3.569E-03	5.369E-03	1.206E-02
2.35E 00---2.46E 00	1.155E-03	1.427E-03	1.845E-03	2.178E-03	3.457E-03	5.011E-03	7.515E-03	1.231E-03	2.257E-02
1.83E 00---2.35E 00	1.292E-03	1.521E-03	1.821E-03	2.212E-03	2.715E-03	3.353E-03	4.137E-03	5.057E-03	1.952E-02
1.11E 00---1.83E 00	2.107E-03	2.383E-03	2.710E-03	3.085E-03	3.493E-03	3.833E-03	4.208E-03	4.208E-03	2.546E-02
5.50E 01---1.11E 00	4.504E-03	5.106E-03	5.703E-03	6.395E-03	7.166E-03	7.976E-03	8.738E-03	9.302E-03	6.125E-02
1.11E 01---5.50E 01	1.075E-02	1.141E-02	1.214E-02	1.289E-02	1.363E-02	1.430E-02	1.484E-02	1.518E-02	1.359E-01
3.35E 02---1.11E 01	8.976E-02	9.277E-02	9.584E-02	9.984E-02	1.016E-01	1.039E-01	1.067E-01	1.122E-01	1.122E-00
5.83E 04---3.35E 02	8.430E-02	8.644E-02	8.857E-02	9.001E-02	9.245E-02	9.400E-02	9.514E-02	9.581E-02	1.053E-01
1.01E 04---5.83E 04	5.518E-00	5.648E-00	5.778E-00	5.902E-00	6.013E-00	6.106E-00	6.175E-00	6.214E-00	6.891E-01
2.9CE-05---1.01E 04	2.514E-01	2.571E-01	2.627E-01	2.680E-01	2.728E-01	2.768E-01	2.798E-01	2.815E-01	3.141E-01
1.07E 05---2.90E 05	7.654E-01	7.824E-01	7.922E-01	8.152E-01	8.295E-01	8.415E-01	8.535E-01	8.554E-01	9.560E-01
3.06E 06---1.07E 05	2.151E-02	2.197E-02	2.243E-02	2.287E-02	2.326E-02	2.359E-02	2.397E-02	2.686E-02	3.397E-02
1.12E 06---3.06E 06	5.965E-02	6.091E-02	6.216E-02	6.334E-02	6.440E-02	6.528E-02	6.630E-02	7.451E-02	7.451E-02
4.14E 07---1.12E 06	1.348E-03	1.376E-03	1.403E-03	1.439E-03	1.472E-03	1.493E-03	1.495E-03	1.684E-04	1.684E-04
0.0 ---4.14E-07	2.016E-03	2.054E-03	2.092E-03	2.128E-03	2.158E-03	2.185E-03	2.204E-03	2.520E-04	2.520E-04

4 PI R**2 FLUENCE AT 1500.0 METERS

12.20 TU 15.00 MEV NEUTRON SOURCE

(NEUTRONS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
1.22E 01---1.50E 01	MU=-0.9894	MU=-0.9446	MU=-0.8656	MU=-0.6179	MU=0.4580	MU=0.0950			
1.00E 01---1.22E 01	-2.734E-07	-1.943E-07	3.511E-08	3.351E-07	4.316E-07	4.464E-07	5.525E-07	1.096E-06	2.25E-06
8.19E 00---1.00E 01	3.130E-16	3.122E-06	3.094E-06	3.056E-06	3.103E-06	3.311E-06	3.813E-06	4.675E-06	5.880E-06
6.36E 00---8.19E 00	3.735E-06	3.68E-06	3.88E-06	4.071E-06	4.318E-06	4.758E-06	5.06E-06	7.061E-06	9.213E-06
4.97E 00---6.36E 00	9.637E-06	9.673E-06	9.855E-06	1.032E-05	1.128E-05	1.296E-05	1.558E-05	1.926E-05	2.40E-05
4.07E 00---4.97E 00	2.856E-05	2.866E-05	2.911E-05	3.059E-05	3.257E-05	3.625E-05	4.143E-05	4.814E-05	5.65E-05
3.01E 00---4.07E 00	6.024E-05	6.051E-05	6.165E-05	6.373E-05	6.689E-05	7.118E-05	7.695E-05	8.480E-05	9.57E-05
2.46E 00---3.01E 00	1.148E-04	1.151E-04	1.161E-04	1.184E-04	1.223E-04	1.286E-04	1.385E-04	1.537E-04	1.76E-04
2.35E 00---2.46E 00	1.638E-04	1.647E-04	1.686E-04	1.762E-04	1.880E-04	2.052E-04	2.294E-04	2.632E-04	3.106E-04
1.83E 00---2.35E 00	2.35E-04	2.307E-04	2.39E-04	2.431E-04	2.556E-04	2.736E-04	2.984E-04	3.322E-04	3.774E-04
1.11E 00---1.83E 00	4.020E-04	4.033E-04	4.090E-04	4.200E-04	4.367E-04	4.601E-04	4.913E-04	5.318E-04	5.83E-04
5.50E-01---1.11E 00	1.064E-03	1.081E-03	1.110E-03	1.153E-03	1.212E-03	1.289E-03	1.388E-03	1.473E-03	1.645E-03
3.35E-02---5.50E-01	3.038E-03	3.066E-03	3.077E-03	3.136E-03	3.220E-03	3.333E-03	3.473E-03	3.645E-03	3.845E-03
5.83E-04---3.35E-02	2.966E-02	2.966E-02	2.985E-02	3.021E-02	3.071E-02	3.137E-02	3.217E-02	3.311E-02	3.417E-02
1.01E-04---5.83E-04	2.920E-02	2.924E-02	2.939E-02	2.956E-02	3.006E-02	3.056E-02	3.117E-02	3.188E-02	3.266E-02
2.90E-05---1.01E-04	8.958E-00	9.010E-00	9.078E-00	9.196E-00	9.336E-00	9.504E-00	9.698E-00	9.911E-00	9.911E-00
1.07E-05---2.90E-05	2.743E-01	2.746E-01	2.759E-01	2.782E-01	2.815E-01	2.857E-01	2.908E-01	2.967E-01	3.032E-01
3.06E-06---1.07E-05	7.769E-01	7.777E-01	7.813E-01	7.878E-01	7.969E-01	8.087E-01	8.228E-01	8.390E-01	8.566E-01
4.12E-06---3.06E-06	2.170E-02	2.172E-02	2.182E-02	2.199E-02	2.244E-02	2.257E-02	2.295E-02	2.339E-02	2.388E-02
4.14E-07---4.12E-06	4.934E-02	4.939E-02	4.961E-02	5.000E-02	5.056E-02	5.128E-02	5.213E-02	5.312E-02	5.442E-02
0.0 ---4.14E-07	7.479E-02	7.487E-02	7.519E-02	7.576E-02	7.655E-02	7.755E-02	7.872E-02	8.005E-02	8.153E-02
ENERGY GROUP (MEV)	ANGLE 11	ANGLE 12	ANGLE 13	ANGLE 14	ANGLE 15	ANGLE 16	ANGLE 17	SCALAR FLUX	
1.22E 01---1.50E 01	MU= 0.0950	MU= 0.2816	MU= 0.4580	MU= 0.6179	MU= 0.8656	MU= 0.9446	MU= 0.9894		
1.00E 01---1.22E 01	3.812E-06	5.753E-06	8.517E-06	1.422E-05	2.792E-05	5.948E-05	3.479E-04	2.07E-04	
8.19E 00---1.00E 01	8.997E-06	1.162E-05	1.681E-05	2.80E-05	5.158E-05	9.887E-05	2.039E-04	1.990E-04	
6.36E 00---8.19E 00	3.041E-05	1.594E-05	2.198E-05	3.330E-05	5.618E-05	1.023E-04	1.337E-04	3.891E-04	3.722E-04
4.97E 00---6.36E 00	6.767E-05	8.53E-05	1.402E-05	8.003E-05	1.274E-04	2.128E-04	3.637E-04	6.462E-04	7.93E-04
4.07E 00---6.97E 00	1.114E-04	1.345E-04	1.690E-04	2.028E-04	2.976E-04	4.087E-04	5.630E-04	7.376E-04	1.355E-03
3.01E 00---4.07E 00	1.073E-04	1.495E-04	1.827E-04	2.259E-04	2.794E-04	3.402E-04	3.987E-04	1.662E-03	1.662E-03
2.46E 00---3.01E 00	1.010E-04	1.312E-04	1.701E-04	2.182E-04	2.848E-04	3.619E-04	4.174E-03	5.777E-03	5.15E-02
2.35E 00---2.46E 00	3.778E-04	4.755E-04	6.215E-04	8.400E-04	1.199E-03	1.766E-03	2.703E-03	4.353E-03	7.70E-03
1.83E 00---2.35E 00	4.375E-04	5.68E-04	6.206E-04	7.549E-04	9.257E-04	1.138E-03	1.388E-03	1.650E-03	6.59E-03
1.11E 00---1.83E 00	6.471E-04	7.257E-04	8.206E-04	9.325E-04	1.059E-03	1.194E-03	1.321E-03	1.415E-03	7.73E-03
5.50E-01---1.11E 00	1.664E-03	1.819E-03	2.069E-03	2.323E-03	2.603E-03	2.894E-03	3.161E-03	3.349E-03	2.212E-02
1.11E 00---5.50E-01	4.077E-03	4.335E-03	4.614E-03	4.903E-03	5.188E-03	5.446E-03	5.652E-03	5.777E-03	5.15E-02
3.35E-02---1.11E-01	3.532E-02	3.654E-02	3.778E-02	3.899E-02	4.009E-02	4.104E-02	4.175E-02	4.216E-02	4.414E-01
5.83E-04---3.35E-02	3.350E-02	3.52E-02	3.525E-02	3.608E-02	3.746E-02	3.793E-02	3.820E-02	3.880E-02	4.18E-01
1.01E-04---5.83E-04	2.212E-00	2.266E-00	2.320E-00	2.377E-00	2.417E-00	2.455E-00	2.484E-00	2.500E-00	2.76E-01
2.90E-05---1.01E-04	1.014E-01	1.038E-01	1.061E-01	1.083E-01	1.103E-01	1.120E-01	1.132E-01	1.139E-01	1.266E-02
1.07E-05---2.90E-05	3.1C1E 01	3.172E 01	3.243E 01	3.310E 01	3.370E 01	3.422E 01	3.457E 01	3.478E 01	3.872E 02
3.06E-06---1.07E-05	8.760E 01	8.957E 01	9.152E 01	9.337E 01	9.503E 01	9.641E 01	9.742E 01	9.801E 01	1.094E 03
1.12E-06---3.06E-06	2.440E 02	2.494E 02	2.547E 02	2.591E 02	2.642E 02	2.679E 02	2.707E 02	2.723E 02	3.048E 03
4.14E-07---1.12E-06	5.536E 02	5.655E 02	5.773E 02	5.889E 02	6.067E 02	6.128E 02	6.163E 02	6.195E 02	6.916E 02
0.0 ---4.14E-07	8.312E 02	8.476E 02	8.640E 02	8.794E 02	9.040E 02	9.119E 02	9.164E 02	9.196E 02	9.039E 04

4 P1 R**2 FLUENCE AT 180.0 METERS

12.20 TO 15.00 MEV NEUTRON SOURCE

(NEUTRONS/MEV/STERADIANSOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=-1.0C00	ANGLE 2 MU=-0.9894	ANGLE 3 MU=-0.8656	ANGLE 4 MU=-0.8656	ANGLE 5 MU=-0.7550	ANGLE 6 MU=-0.6179	ANGLE 7 MU=-0.4580	ANGLE 8 MU=-0.2816	ANGLE 9 MU=-0.0930
1.22E 01----1.50E 01	-4.340E-08	-2.947E-08	1.229E-08	6.565E-08	8.468E-08	9.295E-08	1.223E-07	2.371E-07	4.610E-07
1.00E 01----1.22E 01	6.140E-07	6.167E-07	6.204E-07	6.340E-07	6.790E-07	7.841E-07	9.694E-07	1.232E-06	1.232E-06
8.19E 00----1.00E 01	8.223E-07	8.334E-07	8.737E-07	9.311E-07	9.922E-07	1.112E-06	1.328E-06	1.710E-06	2.282E-06
6.36E 00----8.19E 00	2.044E-06	2.616E-06	2.675E-06	2.822E-06	3.115E-06	3.627E-06	4.417E-06	5.525E-06	6.980E-06
4.97E 00----6.36E 00	8.628E-06	8.656E-06	8.780E-06	9.174E-06	9.884E-06	1.012E-05	1.469E-05	1.729E-05	1.729E-05
4.07E 00----4.97E 00	1.847E-05	1.855E-05	1.890E-05	1.954E-05	2.050E-05	2.181E-05	2.358E-05	2.601E-05	2.939E-05
3.01E 00----4.07E 00	2.213E-05	2.220E-05	2.238E-05	2.275E-05	2.341E-05	2.449E-05	2.619E-05	2.873E-05	2.873E-05
2.46E 00----3.01E 00	3.418E-05	3.426E-05	3.461E-05	3.494E-05	3.534E-05	3.653E-05	3.858E-05	4.653E-05	5.371E-05
2.35E 00----2.46E 00	4.930E-05	4.960E-05	5.088E-05	5.122E-05	5.262E-05	5.426E-05	5.628E-05	8.116E-05	9.628E-05
1.83E 00----2.35E 00	7.198E-05	7.230E-05	7.368E-05	7.633E-05	8.059E-05	8.623E-05	9.426E-05	1.052E-04	1.198E-04
1.11E 00----1.83E 00	1.292E-04	1.292E-04	1.310E-04	1.346E-04	1.400E-04	1.475E-04	1.576E-04	1.873E-04	1.873E-04
5.50E-01----1.11E 00	3.523E-04	3.523E-04	3.574E-04	3.670E-04	3.814E-04	4.013E-04	4.273E-04	4.607E-04	5.024E-04
1.11E-01----5.50E-01	1.044E-03	1.044E-03	1.055E-03	1.075E-03	1.105E-03	1.144E-03	1.193E-03	1.253E-03	1.323E-03
3.35E-02----1.11E-01	1.043E-02	1.044E-02	1.051E-02	1.064E-02	1.082E-02	1.106E-02	1.135E-02	1.168E-02	1.206E-02
5.83E-04----3.35E-02	1.036E-02	1.037E-02	1.043E-02	1.053E-02	1.067E-02	1.107E-02	1.133E-02	1.161E-02	1.161E-02
1.01E-04----5.83E-04	6.935E-01	6.943E-01	6.978E-01	7.041E-01	7.131E-01	7.247E-01	7.386E-01	7.547E-01	7.744E-01
2.90E-05----1.01E-04	3.213E-00	3.228E-00	3.256E-00	3.296E-00	3.349E-00	3.409E-00	3.480E-00	3.558E-00	3.558E-00
1.07E-05----2.90E-05	9.856E-00	9.867E-00	9.914E-00	1.000E-00	1.026E-01	1.052E-01	1.088E-01	1.093E-01	1.093E-01
3.06E-06----1.07E-05	2.805E-01	2.805E-01	2.819E-01	2.842E-01	2.876E-01	2.919E-01	2.971E-01	3.031E-01	3.097E-01
1.12E-06----3.06E-06	7.857E-01	7.857E-01	7.892E-01	7.957E-01	8.505E-01	8.169E-01	8.312E-01	8.476E-01	8.657E-01
4.14E-07----1.12E-06	1.789E-02	1.791E-02	1.799E-02	1.814E-02	1.835E-02	1.861E-02	1.893E-02	1.930E-02	1.970E-02
0.0 ----4.14E-07	2.723E-02	2.735E-02	2.756E-02	2.786E-02	2.823E-02	2.866E-02	2.916E-02	2.971E-02	2.971E-02
ENERGY GROUP (MEV)	ANGLE 11 MU= 0.C950	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9894	SCALAR FLUX	
1.22E C1----1.50E C1	1.177E-06	1.771E-06	3.002E-06	5.883E-06	1.238E-05	2.622E-05	6.216E-05	4.098E-05	
1.00E 01----1.22E 01	1.566E-06	1.962E-06	2.598E-06	3.873E-06	6.605E-06	1.225E-05	2.331E-05	4.572E-05	4.519E-05
8.19E 00----1.00E 01	4.092E-06	5.763E-06	8.944E-06	1.053E-06	7.663E-05	2.339E-05	4.539E-05	1.016E-04	1.016E-04
6.36E 00----8.19E 00	8.899E-06	1.168E-05	1.627E-05	2.455E-05	3.970E-05	6.685E-05	1.138E-04	1.952E-04	2.416E-04
4.97E 00----6.36E 00	2.568E-05	3.343E-05	4.600E-05	6.688E-05	9.824E-05	1.467E-04	2.191E-04	4.175E-04	
4.07E 00----4.97E 00	4.174E-05	5.223E-05	6.830E-05	9.185E-05	1.253E-04	2.700E-04	4.233E-04	6.082E-04	6.082E-04
3.01E 00----4.07E 00	3.424E-05	3.770E-05	5.471E-05	6.714E-05	8.211E-05	9.833E-05	1.2125E-04	4.964E-04	4.964E-04
2.46E 00----3.01E 00	6.430E-05	7.985E-05	1.027E-04	1.363E-04	1.837E-04	2.584E-04	3.637E-04	5.117E-04	1.202E-03
2.35E 00----2.46E 00	1.493E-04	1.968E-04	2.708E-04	3.885E-04	5.801E-04	8.972E-04	1.437E-03	2.469E-03	
1.83E 00----2.35E 00	1.648E-04	1.982E-04	2.413E-04	2.956E-04	4.374E-04	5.196E-04	8.374E-04	1.093E-03	
1.11E 00----1.83E 00	2.333E-04	2.638E-04	2.995E-04	3.366E-04	3.816E-04	4.204E-04	4.478E-04	4.801E-03	
5.50E 00----1.11E 00	5.139E-04	6.902E-04	7.754E-04	8.689E-04	9.650E-04	1.052E-03	1.112E-03	1.363E-03	
1.11E 00----5.50E 00	1.494E-03	1.591E-03	1.591E-03	1.790E-03	1.880E-03	1.951E-03	1.994E-03	1.775E-02	
3.35E 00----1.11E 00	1.291E-02	1.336E-02	1.336E-02	1.379E-02	1.419E-02	1.453E-02	1.478E-02	1.493E-02	1.559E-02
5.83E 00----3.35E 00	1.178E-04	1.968E-04	2.708E-04	3.885E-04	5.801E-04	8.972E-04	1.437E-03	2.469E-03	
1.01E 00----5.83E 00	1.392E-04	1.982E-04	2.413E-04	2.956E-04	4.374E-04	5.196E-04	8.374E-04	1.093E-03	
2.90E-05----1.01E-04	3.642E-00	3.642E-00	3.814E-00	3.895E-00	3.968E-00	4.029E-00	4.074E-00	4.100E-00	4.547E-01
1.07E-05----2.90E-05	1.143E-01	1.143E-01	1.169E-01	1.194E-01	1.216E-01	1.235E-01	1.248E-01	1.256E-01	1.395E-02
3.06E-06----1.07E-05	3.168E-01	3.241E-01	3.313E-01	3.381E-01	3.442E-01	3.494E-01	3.531E-01	3.553E-01	3.956E-02
1.12E-06----3.06E-06	8.850E-01	9.048E-01	9.243E-01	9.432E-01	9.538E-01	9.737E-01	9.840E-01	9.898E-01	1.105E-03
4.14E-07----1.12E-06	2.048E-02	2.101E-02	2.143E-02	2.211E-02	2.211E-02	2.247E-02	2.234E-02	2.251E-03	2.514E-03
0.0 ----4.14E-07	3.031E-02	3.092E-02	3.153E-02	3.211E-02	3.262E-02	3.303E-02	3.333E-02	3.349E-02	3.787E-03

4 PI R**2 FLUENCE AT 75.0 METERS

12.20 TO 15.00 MEV NEUTRON SOURCE

(GAMMAS/R:V/STERADIANT/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=-1.000	ANGLE 2 MU=-0.9894	ANGLE 3 MU=-0.8656	ANGLE 4 MU=-0.7550	ANGLE 5 MU=-0.6179	ANGLE 6 MU=-0.4580	ANGLE 7 MU=-0.2816	ANGLE 8 MU=-0.0950	ANGLE 9 MU=-0.053E-04
8.00E 00---1.00E 01	1.768E-04	1.778E-04	1.820E-04	1.900E-04	2.016E-04	2.112E-04	2.381E-04	2.664E-04	2.664E-04
6.50E 00---8.00E 00	8.648E-C4	8.706E-04	9.348E-04	9.348E-04	1.071E-03	1.174E-03	1.503E-03	1.503E-03	1.503E-03
5.00E 00---6.50E 00	1.821E-03	1.835E-03	1.888E-03	1.985E-03	2.115E-03	2.279E-03	2.489E-03	2.769E-03	3.156E-03
4.00E 00---5.00E 00	1.406E-03	1.423E-03	1.482E-03	1.584E-03	1.79E-03	1.853E-03	2.027E-03	2.257E-03	2.578E-03
3.00E 00---4.00E 00	9.118E-04	9.249E-04	9.70E-04	1.050E-03	1.142E-03	1.242E-03	1.357E-03	1.509E-03	1.724E-03
2.50E 00---3.00E 00	3.206E-03	3.230E-03	3.324E-03	3.492E-03	3.718E-03	4.003E-03	4.372E-03	4.870E-03	5.557E-03
2.00E 00---2.50E 00	1.565E-03	1.577E-03	1.621E-03	1.701E-03	1.806E-03	1.938E-03	2.110E-03	2.343E-03	2.663E-03
1.66E 00---2.00E 00	3.042E-03	3.052E-03	3.095E-03	3.187E-03	3.341E-03	3.575E-03	3.910E-03	4.371E-03	4.991E-03
1.33E 00---1.66E 00	4.256E-03	4.268E-03	4.324E-03	4.446E-03	4.656E-03	4.902E-03	5.449E-03	6.092E-03	6.959E-03
1.00E 00---1.33E 00	2.830E-C3	2.822E-03	2.806E-03	2.816E-03	2.905E-03	3.111E-03	3.446E-03	3.907E-03	4.510E-03
8.00E 01---1.00E 00	1.374E-03	1.362E-03	1.327E-03	1.304E-03	1.345E-03	1.476E-03	1.692E-03	1.974E-03	2.333E-03
6.00E 01---8.00E-01	4.686E-03	4.755E-03	5.008E-03	5.431E-03	5.933E-03	6.478E-03	7.108E-03	7.702E-03	9.201E-03
4.00E 01---6.00E-01	7.188E-03	7.231E-03	7.393E-03	7.694E-03	8.129E-03	8.749E-03	9.666E-03	1.02E-02	1.295E-02
3.00E 01---4.00E-01	9.275E-03	9.286E-03	9.392E-03	9.781E-03	1.068E-02	1.224E-02	1.443E-02	1.710E-02	1.999E-02
2.00E 01---3.00E-01	3.422E-02	3.495E-02	3.594E-02	3.710E-02	3.810E-02	3.948E-C2	4.071E-02	4.215E-02	4.571E-02
1.00E 01---2.00E-01	7.084E-02	7.119E-02	7.178E-02	7.269E-02	7.338E-02	7.398E-02	7.795E-02	8.074E-02	8.475E-02
5.00E 02---1.00E-01	1.349E-01	1.350E-01	1.355E-01	1.365E-01	1.379E-01	1.398E-01	1.422E-01	1.449E-01	1.492E-01
2.00E 02---5.00E-02	3.678E-02	3.680E-02	3.687E-02	3.700E-02	3.719E-02	3.744E-02	3.775E-02	3.810E-02	3.850E-02
ENERGY GROUP (MEV)	ANGLE 10 MU= 0.0950	ANGLE 11 MU= 0.2816	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9894	SCALAR FLUX
8.00E 00---1.00E 01	3.466E-04	6.251E-04	6.001E-C4	7.514E-04	8.348E-04	8.002E-03	2.880E-03	2.880E-03	8.002E-03
6.50E 00---8.00E 00	1.706E-03	3.074E-03	2.568E-03	4.090E-03	7.761E-03	1.408E-02	3.730E-02	7.053E-02	3.925E-02
5.00E 00---6.50E 00	3.573E-03	6.375E-03	4.891E-03	6.156E-03	1.082E-02	1.578E-02	2.561E-02	7.812E-02	1.99E-02
4.00E 00---5.00E 00	2.928E-03	5.296E-03	4.026E-03	5.082E-03	9.031E-03	1.327E-02	2.172E-02	5.981E-02	6.498E-02
3.00E 00---4.00E 00	1.963E-03	2.578E-03	3.035E-03	5.946E-03	8.721E-03	1.420E-02	2.144E-02	3.732E-02	4.214E-02
2.50E 00---3.00E 00	6.291E-03	1.116E-02	1.066E-02	1.328E-02	1.476E-02	2.761E-02	4.911E-02	1.257E-01	1.403E-01
2.00E 00---2.50E 00	4.380E-03	3.447E-03	4.576E-03	5.822E-03	8.079E-03	1.165E-02	2.068E-02	4.383E-02	6.162E-02
1.66E 00---2.00E 00	5.653E-03	1.014E-02	7.744E-03	9.883E-03	1.743E-02	2.50E-02	4.082E-02	1.231E-01	1.231E-01
1.33E 00---1.66E 00	7.872E-03	1.428E-02	1.084E-02	1.382E-02	2.453E-02	3.598E-02	5.070E-02	1.483E-01	1.731E-01
1.00E 00---1.33E 00	5.161E-03	8.444E-03	1.032E-02	1.729E-02	2.536E-02	3.914E-02	5.227E-02	1.144E-01	1.144E-01
8.00E 01---1.00E 00	2.817E-03	3.633E-03	5.135E-03	7.156E-03	1.030E-02	1.997E-02	1.906E-02	2.671E-02	5.871E-02
6.00E 01---8.00E 01	1.074E-02	1.461E-02	1.793E-02	2.115E-02	4.704E-02	6.891E-02	1.630E-01	2.222E-01	6.162E-02
4.00E 01---6.00E 01	1.546E-02	1.873E-02	2.333E-02	2.774E-02	3.348E-02	4.033E-02	5.206E-02	6.992E-02	2.354E-01
3.00E 01---4.00E 01	2.289E-02	2.591E-02	2.946E-02	3.301E-02	3.746E-02	4.339E-02	5.095E-02	6.257E-02	2.949E-01
2.00E 01---3.00E 01	4.393E-C2	5.030E-02	5.475E-02	6.072E-02	8.062E-02	9.915E-02	1.12E-01	5.921E-01	5.921E-01
1.00E 01---2.00E 01	8.414E-02	8.825E-02	9.313E-02	9.857E-02	1.047E-01	1.135E-01	1.189E-01	1.266E-01	1.085E 00
5.00E 02---1.00E 01	1.518E-01	1.558E-01	1.601E-01	1.645E-01	1.688E-01	1.729E-01	1.764E-01	1.789E-01	1.910E 00
2.00E 02---5.00E 02	3.895E-02	3.942E-02	3.991E-02	4.038E-02	4.083E-02	4.122E-02	4.153E-02	4.172E-02	4.887E-01

4 PI R**2 FLUENCE AT 150.C METERS

12.20 TO 15.00 MEV NEUTRON SOURCE

(GAMMAS/MEV/STERADIANT/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=-1.0000	ANGLE 2 MU=-0.9894	ANGLE 3 MU=-0.9446	ANGLE 4 MU=-0.8656	ANGLE 5 MU=-0.7550	ANGLE 6 MU=-0.6179	ANGLE 7 MU=-0.4580	ANGLE 8 MU=-0.2816	ANGLE 9 MU=-0.0950
8.00E 00---1.00E 01	1.868E-04	1.949E-04	2.010E-04	2.209E-04	2.399E-04	2.648E-04	2.987E-04	3.464E-04	
6.50E 00---8.00E 00	9.086E-04	9.178E-04	9.523E-04	1.091E-03	1.186E-03	1.307E-03	1.471E-03	1.704E-03	
5.00E 00---6.50E 00	2.045E-03	2.071E-03	2.165E-03	2.324E-03	2.516E-03	2.732E-03	2.992E-03	3.343E-03	3.845E-03
4.00E 00---5.00E 00	1.456E-03	1.492E-03	1.611E-03	1.801E-03	2.002E-03	2.192E-03	2.393E-03	3.072E-03	3.663E-03
3.00E 00---4.00E 00	9.722E-04	1.020E-03	1.107E-03	1.267E-03	1.428E-03	1.568E-03	1.706E-03	1.894E-03	2.188E-03
2.50E 00---3.00E 00	3.504E-03	3.661E-03	3.661E-03	3.922E-03	4.233E-03	4.584E-03	5.016E-03	5.611E-03	6.470E-03
2.00E 00---2.50E 00	2.020E-03	2.042E-03	2.124E-03	2.261E-03	2.425E-03	2.618E-03	2.867E-03	3.211E-03	3.718E-03
1.66E 00---2.00E 00	3.566E-03	3.572E-03	3.603E-03	3.687E-03	3.859E-03	4.144E-03	4.584E-03	5.196E-03	6.027E-03
1.33E 00---1.66E 00	4.979E-03	4.979E-03	4.994E-03	5.073E-03	5.279E-03	5.671E-03	6.282E-03	7.130E-03	8.260E-03
1.00E 00---1.33E 00	3.522E-03	3.492E-03	3.383E-03	3.283E-03	3.336E-03	3.624E-03	4.144E-03	4.844E-03	5.724E-03
8.00E-01---1.00E 00	2.072E-03	2.045E-03	1.967E-03	1.916E-03	2.010E-03	2.296E-03	2.742E-03	3.305E-03	4.034E-03
6.00E-01---8.00E-01	4.998E-03	5.134E-03	5.627E-03	6.399E-03	7.202E-03	7.941E-03	8.720E-03	9.855E-03	1.180E-03
4.00E-01---6.00E-01	1.179E-02	1.188E-02	1.220E-02	1.278E-02	1.362E-02	1.488E-02	1.687E-02	1.999E-02	2.455E-02
3.00E-01---4.00E-01	1.593E-02	1.597E-02	1.626E-02	1.733E-02	1.974E-02	2.383E-02	2.944E-02	3.601E-02	4.286E-02
2.00E-01---3.00E-01	6.861E-02	6.896E-02	7.028E-02	7.246E-02	7.494E-02	7.740E-02	7.977E-02	8.228E-02	8.540E-02
1.00E-01---2.00E-01	1.722E-01	1.724E-01	1.734E-01	1.754E-01	1.785E-01	1.828E-01	1.884E-01	1.956E-01	2.047E-01
5.00E-02---1.00E-01	3.905E-01	3.910E-01	3.931E-01	3.971E-01	4.029E-01	4.106E-01	4.203E-01	4.320E-01	4.458E-01
2.00E-02---5.00E-02	1.125E-01	1.126E-01	1.129E-01	1.134E-01	1.142E-01	1.153E-01	1.166E-01	1.181E-01	1.199E-01
ENERGY GROUP (MEV)	ANGLE 1C MU= 0.950	ANGLE 11 MU= 0.2816	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9894	
8.00E 00---1.00E 01	4.214E-04	7.506E-04	7.783E-04	1.452E-03	2.050E-03	4.176E-03	1.253E-02	1.042E-02	
6.50E 00---8.00E 00	2.514E-03	2.070E-03	3.682E-03	3.800E-03	7.084E-03	9.967E-03	2.028E-02	6.043E-02	5.081E-02
5.00E 00---6.50E 00	5.522E-03	4.68CE-03	7.865E-03	8.754E-03	1.386E-02	2.186E-02	3.892E-02	8.164E-02	1.063E-01
4.00E 00---5.00E 00	4.482E-03	3.776E-03	6.415E-03	7.142E-03	1.140E-02	1.832E-02	3.311E-02	9.832E-02	8.764E-02
3.00E 00---4.00E 00	3.151E-03	3.375E-03	3.160E-03	6.764E-03	6.742E-03	1.336E-02	2.387E-02	6.398E-02	6.140E-02
2.50E 00---3.00E 00	9.416E-03	7.977E-03	1.358E-02	1.389E-02	2.551E-02	3.545E-02	7.023E-02	1.924E-01	1.806E-01
2.00E 00---2.50E 00	3.456E-03	5.597E-03	7.444E-03	7.715E-03	1.452E-02	1.551E-02	3.696E-02	8.178E-02	9.518E-02
1.66E 00---2.00E 00	8.674E-03	7.295E-03	1.244E-02	1.424E-02	2.277E-02	3.644E-02	6.222E-02	1.640E-01	1.664E-01
1.33E 00---1.66E 00	1.194E-02	9.971E-03	1.721E-02	1.978E-02	3.154E-02	5.033E-02	8.461E-02	2.206E-01	2.280E-01
1.00E 00---1.33E 00	8.303E-03	9.211E-03	9.374E-03	2.051E-02	2.300E-02	4.190E-02	6.711E-02	1.468E-01	1.707E-01
8.00E-01---1.00E 00	4.665E-03	7.450E-03	1.027E-02	1.571E-02	2.343E-02	3.319E-02	4.751E-02	6.713E-02	1.255E-01
~ 7.00E-01---8.00E-01	1.793E-02	2.092E-02	2.143E-02	4.337E-02	4.337E-02	7.312E-02	1.052E-01	2.216E-01	3.202E-01
E-01---6.00E-01	2.941E-02	3.917E-02	4.678E-02	5.804E-02	7.155E-02	8.808E-02	1.152E-01	1.555E-01	4.737E-01
~ 5.00E-01---6.00E-01	4.866E-02	5.683E-02	6.291E-02	7.216E-02	8.353E-02	9.753E-02	1.179E-01	1.433E-01	6.330E-01
2.00E-01---C1---3.00E-01	8.818E-02	9.656E-02	1.032E-01	1.143E-01	1.291E-01	1.465E-01	1.727E-01	2.103E-01	2.220E-01
1.00E-01---2.00E-01	2.156E-01	2.291E-01	2.444E-01	2.630E-01	2.837E-01	3.070E-01	3.324E-01	3.563E-01	2.805E-00
5.00E-02---1.00E-01	4.616E-C1	4.793E-01	4.986E-01	5.194E-01	5.404E-01	5.790E-01	5.915E-01	5.836E-00	
2.00E-02---5.00E-02	1.219E-C1	1.240E-01	1.263E-01	1.286E-01	1.307E-01	1.327E-01	1.342E-01	1.352E-01	1.531E-00

4 PI R**2 FLUENCE AT 200.0 METERS

12.20 TO 15.00 MEV NEUTRON SOURCE

(GAMMAS/MEV/STERADIANSOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
8.00E 00---1.00E 01	MU= -0.9894	MU= -0.9446	MU= -0.8656	MU= -0.7550	MU= -0.6179	MU= -0.4580	MU= -0.2816	MU= -0.0956	MU= -0.0956
6.50E 00---8.00E 00	1.730E-04	1.748E-04	1.811E-04	1.937E-04	2.032E-04	2.080E-04	2.124E-04	2.173E-04	2.244E-04
5.00E 00---6.50E 00	8.332E-04	8.440E-04	8.842E-04	9.520E-04	1.034E-03	1.128E-03	1.244E-03	1.404E-03	1.637E-03
4.00E 00---5.00E 00	1.944E-03	1.976E-03	2.092E-03	2.281E-03	2.493E-03	2.714E-03	2.969E-03	3.218E-03	3.836E-03
3.00E 00---4.00E 00	1.305E-03	1.349E-03	1.505E-03	1.742E-03	1.974E-03	2.166E-03	2.404E-03	2.604E-03	3.020E-03
2.50E 00---3.00E 01	8.801E-04	9.202E-04	1.059E-03	1.266E-03	1.457E-03	1.601E-03	1.726E-03	1.904E-03	2.246E-03
2.00E 00---2.50E 01	3.226E-03	3.277E-03	4.646E-03	5.763E-03	6.093E-03	6.439E-03	6.850E-03	7.432E-03	8.300E-03
1.66E 00---2.00E 01	2.038E-03	2.065E-03	2.631E-03	2.321E-03	2.501E-03	2.703E-03	2.964E-03	3.343E-03	3.898E-03
1.33E 00---1.66E 00	4.910E-03	4.895E-03	4.864E-03	4.880E-03	5.046E-03	5.441E-03	6.091E-03	6.992E-03	5.95E-03
1.00E 00---1.33E 00	3.584E-03	3.527E-03	3.349E-03	3.166E-03	3.189E-03	3.506E-03	4.110E-03	4.901E-03	5.842E-03
8.00E-01---1.00E 00	2.182E-03	2.149E-03	2.056E-03	2.134E-03	2.495E-03	3.036E-03	4.656E-03	4.699E-03	4.656E-03
6.00E-01---8.00E-01	4.569E-03	4.741E-03	5.360E-03	6.300E-03	7.212E-03	7.970E-03	8.725E-03	9.917E-03	1.215E-02
4.00E-01---6.00E-01	1.318E-C2	1.328E-02	1.367E-02	1.436E-02	1.536E-02	1.691E-02	1.945E-02	2.353E-02	2.954E-02
3.00E-01---4.00E-01	1.819E-C2	1.824E-02	1.846E-02	1.913E-02	2.013E-02	2.134E-02	2.459E-02	3.659E-02	5.402E-02
2.00E-01---3.00E-01	8.436E-02	8.480E-02	8.647E-02	8.919E-02	9.221E-02	9.514E-02	9.791E-02	1.048E-01	1.048E-01
1.00E-01---2.00E-01	2.258E-01	2.261E-01	2.277E-01	2.306E-01	2.351E-01	2.413E-01	2.495E-01	2.599E-01	2.729E-01
5.00E-02---1.00E-01	5.524E-01	5.532E-01	5.566E-01	5.629E-01	5.721E-01	5.844E-01	5.998E-01	6.186E-01	6.408E-01
2.00E-02---5.00E-02	1.629E-C1	1.630E-01	1.635E-01	1.644E-01	1.657E-01	1.673E-01	1.694E-01	1.719E-01	1.748E-01
ENERGY GROUP (MEV)	ANGLE 10	ANGLE 11	ANGLE 12	ANGLE 13	ANGLE 14	ANGLE 15	ANGLE 16	ANGLE 17	SCALAR FLUX
8.00E 00---1.00E 01	MU= 0.0950	MU= 0.2816	MU= 0.4580	MU= 0.6179	MU= 0.7550	MU= 0.8656	MU= 0.9446	MU= 0.9894	1.082E-02
6.50E 00---8.00E 00	3.545E-04	5.48CE-04	6.151E-04	9.352E-04	1.304E-03	2.275E-03	4.557E-03	1.455E-02	5.249E-02
5.00E 00---6.50E 00	1.739E-03	2.689E-03	3.009E-03	4.560E-03	6.331E-03	1.102E-02	2.201E-02	6.966E-02	1.121E-01
4.00E 00---5.00E 00	3.260E-03	4.949E-03	5.533E-03	8.175E-03	1.125E-02	2.324E-02	4.454E-02	1.333E-01	9.213E-02
3.00E 00---4.00E 00	2.437E-03	3.623E-03	4.089E-03	5.987E-03	8.356E-03	1.442E-02	2.791E-02	7.557E-02	6.664E-02
2.50E 00---3.00E 00	6.681E-03	1.015E-02	1.123E-02	1.674E-02	2.305E-02	3.943E-02	7.549E-02	2.142E-01	1.854E-01
2.00E 00---2.50E 00	5.185E-03	5.324E-03	7.075E-03	9.685E-03	1.513E-02	2.398E-02	4.410E-02	9.924E-02	1.087E-01
1.66E 00---2.00E 00	6.361E-03	9.545E-03	1.083E-02	1.647E-02	2.335E-02	3.944E-02	7.136E-02	1.801E-01	1.746E-01
1.33E 00---1.66E 00	8.603E-03	1.306E-02	1.488E-02	2.284E-02	3.231E-02	5.390E-02	9.563E-02	2.367E-01	2.367E-01
1.00E 00---1.33E 00	6.383E-03	9.874E-03	1.237E-02	1.979E-02	2.946E-02	4.748E-02	7.867E-02	1.645E-01	1.875E-01
8.00E 00---1.00E 00	6.267E-03	8.352E-03	1.328E-02	2.001E-02	3.041E-02	4.368E-02	6.192E-02	8.820E-02	1.585E-01
6.00E 00---8.00E 01	1.441E-02	2.341E-02	2.935E-02	4.274E-02	5.625E-02	7.942E-02	1.171E-01	2.279E-01	3.465E-01
4.00E 00---6.00E 01	3.833E-02	4.689E-02	5.944E-02	7.172E-02	8.177E-02	1.092E-01	1.411E-01	1.913E-01	5.793E-01
3.00E 00---4.00E 01	6.299E-02	7.007E-02	7.972E-02	9.002E-02	1.096E-01	1.230E-01	1.475E-01	1.791E-01	7.918E-01
2.00E 00---3.00E 01	1.111E-01	1.172E-01	1.289E-01	1.414E-01	1.598E-01	1.818E-01	2.128E-01	2.550E-01	3.505E-00
1.00E 00---2.00E 01	2.889E-01	3.079E-01	3.306E-01	3.567E-01	3.865E-01	4.195E-01	4.545E-01	4.874E-01	5.763E-00
5.00E 00---6.00E 01	6.953E-01	7.611E-01	7.272E-01	7.960E-01	8.299E-01	8.59E-01	8.807E-01	9.198E-01	8.441E-00
2.00E 00---5.00E 02	1.780E-01	1.815E-01	1.852E-01	1.889E-01	1.924E-01	1.956E-01	1.997E-01	2.236E-00	

4 PI R**2 FLUENCE AT 300.0 METERS

12.20 TO 15.00 MEV NEUTRON SOURCE

(GAMMAS/MEV/STERADIANT/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
8.0CE 00---1.00E 01	1.297E-04	MU=-0.9894	MU=-0.8656	MU=-0.7550	MU=-0.6179	MU=-0.4580	MU=-0.2816	MU=-0.0950	MU=-0.0494
6.50E 00---8.00E 00	6.115E-04	1.317E-04	1.393E-04	1.517E-04	1.661E-04	1.818E-04	2.010E-04	2.282E-04	2.694E-04
5.00E 00---6.50E 00	6.243E-04	6.704E-04	7.435E-04	8.216E-04	8.994E-04	9.884E-04	1.116E-03	1.315E-03	1.315E-03
4.00E 00---5.00E 00	1.528E-03	1.711E-03	1.830E-03	1.949E-03	2.042E-03	2.149E-03	2.342E-03	2.543E-03	3.305E-03
3.00E 00---4.00E 00	9.413E-04	9.413E-04	1.147E-03	1.442E-03	1.694E-03	1.852E-03	1.964E-03	2.146E-03	2.519E-03
2.50E 00---3.00E 00	6.541E-04	8.436E-04	1.110E-03	1.326E-03	1.445E-03	1.515E-03	1.648E-03	1.947E-03	1.947E-03
2.00E 00---2.50E 00	2.447E-03	2.508E-03	2.725E-03	3.059E-03	3.363E-03	3.642E-03	3.952E-03	4.428E-03	5.203E-03
1.66E 00---2.00E 00	1.767E-03	1.797E-03	1.906E-03	2.072E-03	2.243E-03	2.422E-03	2.658E-03	3.027E-03	3.593E-03
1.33E 00---1.66E 00	2.980E-03	2.967E-03	2.931E-03	3.011E-03	3.267E-03	3.714E-03	4.346E-03	5.157E-03	5.157E-03
1.00E 00---1.33E 00	4.231E-03	4.188E-03	4.054E-03	3.931E-03	3.958E-03	4.359E-03	5.014E-03	6.968E-03	6.968E-03
8.0CE-01---1.00E 00	3.228E-03	3.138E-03	2.849E-03	2.593E-03	2.492E-03	2.848E-03	3.528E-03	4.354E-03	5.253E-03
6.0CE-01---8.00E 01	1.949E-03	1.918E-03	1.828E-03	1.801E-03	1.988E-03	2.415E-03	3.002E-03	3.693E-03	4.651E-03
4.0CE-01---6.00E 01	3.236E-03	3.454E-03	4.227E-03	5.340E-03	6.299E-03	6.946E-03	7.521E-03	8.670E-03	1.125E-02
3.0CE-01---4.00E 01	1.908E-02	1.908E-02	1.971E-02	2.185E-02	2.652E-02	3.412E-02	4.409E-02	5.511E-02	6.574E-02
2.00E-01---3.00E 01	9.997E-02	1.005E-01	1.025E-01	1.056E-01	1.089E-01	1.120E-01	1.146E-01	1.179E-01	1.223E-01
1.00E-01---2.00E 01	2.859E-01	2.865E-01	2.887E-01	2.930E-01	2.994E-01	3.083E-01	3.199E-01	3.529E-01	3.529E-01
5.00E-02---1.00E 01	7.746E-01	7.761E-01	7.814E-01	7.916E-01	8.063E-01	8.508E-01	9.172E-01	9.172E-01	9.172E-01
2.00E-02---5.00E 02	2.355E-01	2.357E-01	2.365E-01	2.379E-01	2.426E-01	2.460E-01	2.500E-01	2.547E-01	2.547E-01
ENERGY GROUP (MEV)	ANGLE 10	ANGLE 11	ANGLE 12	ANGLE 13	ANGLE 14	ANGLE 15	ANGLE 16	ANGLE 17	SCALAR FLUX
8.0CE 00---1.00E 01	MU= 0.0950	MU= 0.2816	MU= 0.4580	MU= 0.6179	MU= 0.7550	MU= 0.8656	MU= 0.9446	MU= 0.9894	1.038E-02
6.50E 00---8.00E 00	3.408E-04	4.149E-04	5.723E-04	7.902E-04	1.230E-03	2.137E-03	4.682E-03	1.645E-02	4.944E-02
5.00E 00---6.50E 00	4.133E-03	5.003E-03	6.698E-03	8.968E-03	1.347E-03	2.07E-03	2.67E-02	4.27E-02	4.27E-02
4.00E 00---5.00E 00	3.229E-03	3.962E-03	5.329E-03	7.125E-03	1.089E-02	1.895E-02	2.660E-02	4.683E-02	1.098E-01
3.00E 00---4.00E 00	2.507E-03	3.097E-03	4.126E-03	6.423E-03	8.621E-03	1.528E-02	2.438E-02	4.038E-02	8.984E-02
2.50E 00---3.00E 00	6.561E-03	7.843E-03	1.056E-02	1.423E-02	2.190E-02	3.734E-02	7.615E-02	8.750E-02	8.750E-02
2.00E 00---2.50E 00	4.277E-03	5.616E-03	7.136E-03	1.028E-02	1.589E-02	2.748E-02	5.181E-02	2.222E-01	1.734E-01
1.66E 00---2.00E 00	6.405E-03	7.625E-03	1.054E-02	1.502E-02	2.397E-02	4.039E-02	7.576E-02	1.857E-01	1.149E-01
1.33E 00---1.66E 00	8.638E-03	1.031E-02	1.451E-02	2.090E-02	3.317E-02	5.452E-02	9.869E-02	2.332E-01	2.264E-01
1.00E 00---1.33E 00	6.665E-03	8.600E-03	1.327E-02	2.085E-02	3.382E-02	5.379E-02	8.816E-02	1.708E-01	1.966E-01
8.0CE-01---1.00E 00	6.330E-03	9.916E-03	1.593E-02	2.561E-02	3.891E-02	5.623E-02	7.829E-02	1.098E-01	1.923E-01
6.00E-01---8.00E 01	1.647E-02	3.413E-02	4.633E-02	6.397E-02	8.567E-02	1.205E-01	2.065E-01	3.584E-01	3.584E-01
4.00E-01---6.00E 01	4.439E-02	5.715E-02	7.066E-02	8.613E-02	1.037E-02	1.271E-01	1.608E-01	2.136E-01	6.698E-01
3.00E-01---4.00E 01	7.515E-02	8.450E-02	9.433E-02	1.074E-01	1.244E-01	1.462E-01	1.725E-01	2.048E-01	9.401E-01
2.00E-01---3.00E 01	1.286E-01	1.385E-01	1.508E-01	1.673E-01	1.872E-01	2.122E-01	2.431E-01	2.822E-01	1.760E-00
1.00E-01---2.00E 01	3.753E-01	4.021E-01	4.336E-01	4.699E-01	5.104E-01	5.542E-01	5.986E-01	6.376E-01	4.890E-00
5.00E-02---1.00E 01	9.593E-01	1.007E-00	1.059E-00	1.116E-00	1.173E-00	1.229E-00	1.277E-00	1.310E-00	1.217E-01
2.00E-02---5.00E 02	2.599E-01	2.656E-01	2.715E-01	2.832E-01	2.883E-01	2.922E-01	2.947E-01	3.264E-00	3.264E-00

4 PI R**2 FLUENCE AT 400.0 METERS

12.20 TO 15.00 MEV NEUTRON SOURCE

(GAMMAS/MEV/STERDIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=-1.0000	ANGLE 2 MU=-0.9894	ANGLE 3 MU=-0.9446	ANGLE 4 MU=-0.8556	ANGLE 5 MU=-0.7550	ANGLE 6 MU=-0.6179	ANGLE 7 MU=-0.4580	ANGLE 8 MU=-0.2816	ANGLE 9 MU=-0.0950
8.00E 00---1.00E 01	8.853E-05	9.062E-05	9.817E-05	1.099E-04	1.221E-04	1.338E-04	1.477E-04	1.667E-04	1.986E-04
6.50E 00---8.00E 00	4.041E-04	4.174E-04	4.648E-04	5.356E-04	6.004E-04	6.606E-04	7.179E-04	8.066E-04	9.599E-04
5.00E 00---6.50E 00	1.086E-03	1.130E-03	1.283E-03	1.506E-03	1.706E-03	1.853E-03	1.985E-03	2.195E-03	2.583E-03
4.00E 00---5.00E 00	4.934E-04	5.609E-04	7.904E-04	1.104E-03	1.341E-03	1.449E-03	1.486E-03	1.589E-03	1.893E-03
3.00E 00---4.00E 00	2.898E-04	3.926E-04	6.081E-04	8.970E-04	1.105E-03	1.195E-03	1.277E-03	1.377E-03	1.533E-03
2.50E 00---3.00E 00	1.680E-03	1.742E-03	1.961E-03	2.272E-03	2.538E-03	2.732E-03	2.929E-03	3.276E-03	3.904E-03
2.00E 00---2.50E 00	1.377E-03	1.406E-03	1.507E-03	1.653E-03	1.751E-03	1.926E-03	2.113E-03	2.430E-03	2.932E-03
1.66E 00---2.00E 00	2.347E-03	2.322E-03	2.244E-03	2.169E-03	2.201E-03	2.410E-03	2.808E-03	3.360E-03	4.031E-03
1.33E 00---1.66E 00	3.392E-03	3.109E-03	2.874E-03	2.857E-03	3.171E-03	3.783E-03	4.563E-03	5.423E-03	6.423E-03
1.00E 00---1.33E 00	2.673E-03	2.564E-03	2.212E-03	1.822E-03	1.455E-03	2.100E-03	2.767E-03	3.513E-03	4.236E-03
8.00E-01---1.00E 00	1.500E-03	1.475E-03	1.415E-03	1.428E-03	1.641E-03	2.049E-03	2.562E-03	3.146E-03	4.037E-03
6.00E-01---8.00E-01	1.944E-03	2.180E-03	3.008E-03	4.148E-03	5.826E-03	5.484E-03	6.836E-03	9.485E-03	9.485E-03
4.00E-01---6.00E-01	1.209E-02	1.218E-02	1.255E-02	1.320E-02	1.424E-02	1.614E-02	1.962E-02	2.545E-02	3.400E-02
3.00E-01---4.00E-01	1.717E-02	1.728E-02	1.805E-02	2.055E-02	2.583E-02	3.421E-02	4.491E-02	5.632E-02	6.683E-02
2.00E-01---3.00E-01	1.006E-01	1.011E-01	1.030E-01	1.060E-01	1.089E-01	1.115E-01	1.163E-01	1.203E-01	1.203E-01
1.00E-01---2.00E-01	2.974E-01	2.975E-01	3.026E-01	3.096E-01	3.193E-01	3.320E-01	3.480E-01	3.679E-01	3.679E-01
5.00E-02---1.00E-01	8.522E-01	8.584E-01	8.703E-01	8.876E-01	9.108E-01	9.401E-01	9.760E-01	1.019E-01	1.019E-01
2.00E-02---5.00E-02	2.631E-01	2.633E-01	2.642E-01	2.658E-01	2.682E-01	2.714E-01	2.753E-01	2.855E-01	2.855E-01
ENERGY GROUP (MEV)	ANGLE 10 MU= 0.9950	ANGLE 11 MU= 0.2816	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9844	SCALAR FLUX
8.00E 00---1.00E 01	2.480E-04	3.245E-04	4.401E-04	6.377E-04	1.05E-03	1.64E-03	4.311E-03	1.650E-02	9.069E-03
6.50E 00---8.00E 00	1.203E-03	1.577E-03	2.128E-03	3.059E-03	4.842E-03	8.878E-03	2.033E-02	7.665E-02	4.304E-02
5.00E 00---6.50E 00	3.207E-03	4.133E-03	5.331E-03	7.533E-03	1.148E-02	2.023E-02	4.385E-02	1.473E-01	9.716E-02
4.00E 00---5.00E 00	2.443E-03	3.233E-03	4.249E-03	5.871E-03	9.174E-03	1.704E-02	3.826E-02	7.921E-02	1.291E-02
3.00E 00---4.00E 00	2.001E-02	2.642E-03	3.447E-03	4.790E-03	7.688E-03	1.467E-02	3.200E-02	9.921E-02	1.350E-02
2.50E 00---3.00E 00	4.859E-03	6.239E-03	8.182E-03	1.156E-02	1.262E-02	3.293E-02	6.921E-02	2.049E-01	1.470E-01
2.00E 00---2.50E 00	3.653E-03	4.622E-03	6.190E-03	9.080E-03	1.499E-02	2.713E-02	5.289E-02	1.196E-01	1.074E-01
1.66E 00---2.00E 00	4.860E-03	6.173E-03	8.190E-03	1.303E-02	2.165E-02	3.809E-02	7.179E-02	1.705E-01	1.492E-01
1.33E 00---1.66E 00	6.476E-03	8.318E-03	1.175E-02	1.835E-02	3.010E-02	5.095E-02	9.117E-02	2.053E-01	1.961E-01
1.00E 00---1.33E 00	5.244E-03	7.443E-03	1.197E-02	2.027E-02	3.359E-02	5.383E-02	8.559E-02	1.558E-01	1.830E-01
8.00E-01---1.00E 00	5.898E-03	9.691E-03	1.653E-02	2.706E-02	4.143E-02	5.928E-02	8.099E-02	1.103E-01	1.555E-01
6.00E-01---8.00E-01	1.455E-02	2.261E-02	3.334E-02	4.673E-02	6.259E-02	8.224E-02	1.100E-01	1.700E-01	3.313E-01
4.00E-01---6.00E-01	4.507E-02	5.777E-02	7.145E-02	8.581E-02	1.022E-01	1.231E-01	1.529E-01	1.970E-01	6.553E-01
3.00E-01---4.00E-01	7.584E-02	8.460E-02	9.337E-02	1.058E-01	1.225E-01	1.430E-01	1.664E-01	1.921E-01	9.312E-01
2.00E-01---3.00E-01	1.268E-01	1.361E-01	1.387E-01	1.643E-01	1.832E-01	2.056E-01	2.319E-01	2.615E-01	1.720E-00
1.00E-01---2.00E-01	3.921E-01	4.209E-01	4.546E-01	4.930E-01	5.334E-01	5.800E-01	6.235E-01	6.588E-01	5.099E-00
5.00E-02---1.00E-01	1.069E-00	1.125E-00	1.187E-00	1.254E-00	1.322E-00	1.387E-00	1.442E-00	1.479E-00	1.357E-01
2.00E-02---5.00E-02	2.917E-01	2.983E-01	3.053E-01	3.123E-01	3.189E-01	3.247E-01	3.292E-01	3.319E-01	3.663E-00

4 PI R**2 FLUENCE AT 500.0 METERS

12.00 TO 15.00 MEV NEUTRON SOURCE

(GAMMAS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
8.00E 00----1.00E 01	MU=-0.9894	MU=-0.9446	MU=-0.8656	MU=-0.7550	MU=-0.6179	MU=-0.4580	MU=-0.2816	MU=-0.0950	MU=-0.0950
6.50E 00----8.00E 00	5.690E-05	6.611E-05	7.675E-05	8.669E-05	9.474E-05	1.029E-04	1.160E-04	1.394E-04	1.394E-04
5.00E 00----6.50E 00	2.468E-05	2.599E-04	3.056E-04	3.711E-04	4.271E-04	4.646E-04	4.964E-04	5.521E-04	6.638E-04
4.00E 00----5.00E 00	7.232E-04	7.666E-04	9.178E-04	1.130E-03	1.304E-03	1.405E-03	1.477E-03	1.615E-03	1.917E-03
3.00E 00----4.00E 00	1.022E-04	5.102E-04	8.112E-04	1.023E-04	1.122E-04	1.106E-03	1.106E-03	1.342E-03	1.342E-03
2.50E 00----2.50E 00	1.229E-04	1.916E-04	4.127E-04	6.942E-04	8.828E-04	5.294E-04	8.934E-04	9.213E-04	1.138E-03
2.00E 00----2.00E 00	1.078E-03	1.13E-03	1.343E-03	1.622E-03	1.835E-03	1.954E-03	2.059E-03	2.295E-03	2.778E-03
1.66E 00----1.790E-00	1.018E-03	1.042E-03	1.126E-03	1.243E-03	1.343E-03	1.436E-03	1.576E-03	1.832E-03	2.246E-03
1.33E 00----1.66E 00	2.640E-03	2.558E-03	2.290E-03	1.648E-03	1.527E-03	1.515E-03	1.680E-03	2.023E-03	2.998E-03
1.00E 00----1.33E 00	2.130E-03	2.014E-03	1.641E-03	1.226E-03	1.136E-03	1.136E-03	2.183E-03	2.734E-03	3.388E-03
8.00E-01----1.00E 00	1.03E-03	1.08E-03	1.065E-03	1.053E-03	1.079E-03	1.065E-03	1.628E-03	2.082E-03	2.697E-03
6.00E-01----8.00E-01	9.535E-04	1.089E-03	2.008E-03	3.088E-03	3.836E-03	4.111E-03	4.255E-03	5.099E-03	7.651E-03
4.00E-01----6.00E-01	1.021E-02	1.028E-02	1.055E-02	1.107E-02	1.197E-02	1.377E-02	1.718E-02	2.291E-02	3.124E-02
3.00E-01----4.00E-01	1.442E-02	1.455E-02	1.540E-02	1.540E-02	1.546E-02	1.575E-02	4.466E-02	5.246E-02	6.181E-02
2.00E-01----3.00E-01	9.333E-02	9.287E-02	9.501E-02	9.749E-02	9.981E-02	1.016E-02	1.016E-01	1.031E-01	1.082E-01
1.00E-01----2.00E-01	2.728E-01	2.734E-01	2.758E-01	2.804E-01	2.872E-01	2.965E-01	3.086E-01	3.238E-01	3.422E-01
5.00E-02----1.00E-01	8.199E-01	8.214E-01	8.277E-01	8.396E-01	8.568E-01	8.800E-01	9.093E-01	9.533E-01	9.881E-01
2.00E-02----5.00E-02	2.561E-01	2.563E-01	2.572E-01	2.588E-01	2.612E-01	2.644E-01	2.683E-01	2.730E-01	2.784E-01
ENERGY GROUP (MEV)	ANGLE 10	ANGLE 11	ANGLE 12	ANGLE 13	ANGLE 14	ANGLE 15	ANGLE 16	ANGLE 17	SCALAR FLUX
8.00E 00----1.00E 01	MU= 0.9590	MU= 0.2816	MU= 0.4580	MU= 0.6179	MU= 0.7550	MU= 0.8656	MU= 0.9446	MU= 0.9894	7.590E-03
6.50E 00----8.00E 00	1.777E-04	2.360E-04	3.201E-04	4.811E-04	7.943E-04	1.534E-03	3.766E-03	1.553E-02	3.553E-02
5.00E 00----6.50E 00	8.537E-04	1.138E-03	1.563E-03	2.284E-03	3.745E-03	7.235E-03	1.767E-02	7.108E-02	8.172E-02
4.00E 00----5.00E 00	2.437E-03	3.184E-03	4.229E-03	5.912E-03	9.293E-03	1.704E-02	3.618E-02	1.366E-01	6.651E-02
3.00E 00----4.00E 00	1.814E-03	2.429E-03	3.253E-03	4.502E-03	7.293E-03	1.444E-02	3.430E-02	1.144E-01	5.555E-02
2.50E 00----3.00E 00	1.558E-03	2.099E-03	2.744E-03	3.838E-03	6.479E-03	1.319E-02	3.019E-02	8.477E-02	1.189E-01
2.00E 00----2.50E 00	4.550E-03	6.097E-03	8.784E-03	1.452E-02	2.756E-02	5.878E-02	1.78E-01	2.119E-01	2.372E-02
1.66E 00----2.00E 00	3.617E-03	4.914E-03	7.517E-03	1.220E-02	2.489E-02	4.979E-02	1.119E-01	1.248E-01	1.470E-01
1.33E 00----1.66E 00	4.580E-03	6.552E-03	1.062E-02	1.863E-02	3.388E-02	6.423E-02	1.470E-01	1.620E-01	1.703E-01
1.00E 00----1.33E 00	6.161E-03	9.188E-03	1.521E-02	2.611E-02	4.497E-02	7.965E-02	1.759E-02	1.324E-01	1.600E-01
8.00E-01----1.00E 00	5.011E-03	8.828E-03	1.565E-02	2.603E-02	3.980E-02	5.627E-02	7.233E-02	9.923E-02	1.809E-01
6.00E-01----8.00E-01	1.269E-02	3.074E-02	4.298E-02	5.691E-02	7.307E-02	9.413E-02	1.338E-01	2.887E-01	5.875E-01
4.00E-01----6.00E-01	4.177E-02	6.569E-02	7.794E-02	9.143E-02	1.086E-01	1.325E-01	1.659E-01	1.659E-01	1.659E-01
3.00E-01----4.00E-01	6.936E-02	8.385E-02	9.468E-02	1.093E-01	1.268E-01	1.454E-01	1.637E-01	1.637E-01	1.637E-01
2.00E-01----3.00E-01	1.138E-01	1.332E-01	1.468E-01	1.628E-01	1.811E-01	2.016E-01	2.244E-01	2.244E-01	1.552E-00
1.00E-01----2.00E-01	3.654E-01	3.925E-01	4.239E-01	4.980E-01	5.378E-01	5.552E-01	6.038E-01	6.740E-00	4.740E-00
5.00E-02----1.00E-01	1.038E-00	1.094E-00	1.157E-00	1.223E-00	1.290E-00	1.354E-00	1.442E-00	1.318E-01	1.318E-01
2.00E-02----5.00E-02	2.911E-01	2.980E-01	3.113E-01	3.170E-01	3.213E-01	3.239E-01	3.572E-01	3.572E-01	3.572E-01

4 PI R**2 FLUENCE AT 600.C METERS

12.20 TO 15.00 MEV NEUTRIN SOURCE

(GAMMAS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=-1.00E 01	ANGLE 2 MU=-0.94E 00	ANGLE 3 MU=-0.86E 00	ANGLE 4 MU=-0.75E 00	ANGLE 5 MU=-0.61E 00	ANGLE 6 MU=-0.45E 00	ANGLE 7 MU=-0.28E 00	ANGLE 8 MU=-0.09E 00
8.00E 00---1.00E 01	3.468E-05	3.657E-05	4.321E-05	5.264E-05	6.578E-05	7.019E-05	7.828E-05	9.491E-05
6.50E 00---8.00E 00	1.384E-04	1.508E-04	1.934E-04	2.518E-04	2.969E-04	3.198E-04	3.327E-04	3.643E-04
5.00E 00---6.50E 00	4.545E-04	4.956E-04	6.380E-04	8.319E-04	9.764E-04	1.041E-03	1.067E-03	1.150E-03
4.00E 00---5.00E 00	1.459E-04	1.826E-04	2.086E-04	2.819E-04	3.608E-04	4.086E-04	4.295E-04	5.133E-04
3.00E 00---4.00E 00	-1.535E-05	5.837E-05	2.620E-04	5.235E-04	6.956E-04	7.147E-04	6.299E-04	6.259E-04
2.50E 00---3.00E 00	6.517E-04	7.053E-04	8.896E-04	1.131E-03	1.295E-03	1.358E-03	1.398E-03	1.522E-03
2.00E 00---2.50E 00	7.3C9E-04	7.499E-04	8.153E-04	9.010E-04	9.618E-04	1.028E-03	1.058E-03	1.058E-03
1.66E 00---2.00E 00	1.349E-03	1.311E-03	1.184E-03	1.036E-03	9.956E-04	1.127E-03	1.419E-03	1.792E-03
1.33E 00---1.66E 00	2.030E-03	1.943E-03	1.652E-03	1.316E-03	1.215E-03	1.448E-03	1.933E-03	2.463E-03
1.00E 00---1.33E 00	1.666E-03	1.545E-03	1.187E-03	9.829E-04	6.930E-04	9.974E-04	1.531E-03	2.348E-03
8.00E-01---1.00E 00	6.846E-04	6.865E-04	6.802E-04	6.865E-04	7.679E-04	9.693E-04	1.247E-03	1.521E-03
6.00E-01---8.00E-01	2.780E-04	5.089E-04	1.275E-03	2.245E-03	2.867E-03	2.998E-03	2.882E-03	3.673E-03
4.00E-01---6.00E-01	8.336E-03	8.382E-03	8.565E-03	8.937E-03	9.688E-03	1.130E-02	1.446E-02	2.737E-02
3.00E-01---4.00E-01	1.163E-02	1.176E-02	1.261E-02	1.511E-02	1.670E-02	2.770E-02	3.695E-02	5.402E-02
2.00E-01---3.00E-01	8.140E-02	8.178E-02	8.315E-02	8.510E-02	8.677E-02	8.789E-02	8.683E-02	8.978E-02
1.00E-01---2.00E-01	2.370E-01	2.376E-01	2.397E-01	2.439E-01	2.499E-01	2.582E-01	2.688E-01	2.821E-01
5.00E-02---1.00E-01	7.309E-01	7.323E-01	7.380E-01	7.488E-01	7.856E-01	8.122E-01	8.49E-01	9.986E-01
2.00E-02---5.00E-02	2.297E-01	2.305E-01	2.320E-01	2.341E-01	2.370E-01	2.405E-01	2.448E-01	2.497E-01
ENERGY GROUP (MEV)	ANGLE 10 MU= 0.9950	ANGLE 11 MU= 0.2816	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 SCALAR FLUX
8.00E 00---1.00E 01	1.235E-04	1.671E-04	2.338E-04	3.510E-04	5.984E-04	1.218E-03	3.180E-03	1.406E-02
6.50E 00---8.00E 00	5.861E-04	7.986E-04	1.109E-03	1.641E-03	2.783E-03	5.683E-03	1.477E-02	6.340E-02
5.00E 00---6.50E 00	1.798E-03	2.389E-03	3.187E-03	4.475E-03	7.189E-03	1.382E-02	2.968E-02	6.671E-02
4.00E 00---5.00E 00	1.309E-03	1.821E-03	2.403E-03	3.314E-03	5.563E-03	1.180E-02	1.404E-02	5.422E-02
3.00E 00---4.00E 00	1.179E-03	1.618E-03	2.099E-03	2.944E-03	5.223E-03	1.404E-02	2.728E-02	7.703E-02
2.50E 00---3.00E 00	2.511E-03	3.287E-03	4.379E-03	6.444E-03	1.118E-02	2.239E-02	5.021E-02	1.486E-02
2.00E 00---2.50E 00	2.116E-03	2.699E-03	3.725E-03	5.950E-03	1.097E-02	2.179E-02	4.456E-02	9.396E-02
1.66E 00---2.00E 00	2.573E-03	3.273E-03	4.869E-03	8.406E-03	1.554E-02	2.909E-02	5.532E-02	1.222E-01
1.33E 00---1.66E 00	3.295E-03	4.395E-03	6.960E-03	1.230E-02	2.198E-02	3.835E-02	6.710E-02	1.363E-01
1.00E 00---1.33E 00	2.908E-03	4.592E-03	8.600E-03	1.603E-02	2.758E-02	4.380E-02	6.664E-02	1.07E-01
8.00E-01---1.00E 00	4.091E-03	7.684E-03	1.407E-02	2.361E-02	3.590E-02	5.005E-02	6.542E-02	8.359E-02
6.00E-01---8.00E-01	1.073E-02	1.789E-02	2.710E-02	3.768E-02	4.918E-02	6.184E-02	7.720E-02	1.026E-01
4.00E-01---6.00E 00	3.678E-02	4.700E-02	5.710E-02	6.687E-02	7.734E-02	9.061E-02	1.089E-01	1.329E-01
3.00E-01---4.00E 01	5.996E-02	6.504E-02	7.117E-02	8.005E-02	9.207E-02	1.061E-01	1.201E-01	1.323E-01
2.00E-01---3.00E 01	9.686E-02	1.038E-01	1.129E-01	1.240E-01	1.367E-01	1.509E-01	1.661E-01	1.803E-01
1.00E-01---2.00E 01	3.184E-01	3.418E-01	3.688E-01	3.991E-01	4.315E-01	4.644E-01	5.163E-01	5.419E-01
5.00E-02---1.00E 01	9.798E-01	1.095E 00	1.155E 00	1.212E 00	1.288E 00	1.378E 00	1.425E 00	1.498E 00
2.00E-02---5.00E 02	2.551E-01	2.610E-01	2.672E-01	2.733E-01	2.793E-01	2.840E-01	2.878E-01	2.901E-01

4 PI R**2 FLUENCE AT 500.0 METERS

12.20 TO 15.00 MEV NEUTRON SOURCE

(GAMMAS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
8.00E 00----1.00E 01	MU=-0.9894	MU=-0.9446	MU=-0.8636	MU=0.7550	MU=0.6179	MU=0.4680	MU=0.2816	MU=0.0950	MU=0.703E-05
6.50E 00----0.00E CO	4.503E-06	5.92E-06	1.058E-05	1.652E-05	2.033E-05	2.147E-05	2.057E-05	2.132E-05	2.157E-04
5.00E 00----6.50E CO	-4.278E-08	1.020E-05	3.830E-05	7.555E-05	1.005E-04	1.004E-04	8.767E-05	8.737E-05	4.668E-04
4.00E 00----5.00E CO	6.078E-05	9.108E-05	1.906E-04	3.155E-04	3.989E-04	3.655E-04	3.655E-04	3.662E-04	4.668E-04
3.00E 00----4.00E CO	-1.707E-04	-1.124E-04	2.321E-05	2.368E-04	3.231E-04	2.892E-04	1.966E-04	1.487E-04	2.386E-04
2.50E 00----3.00E CO	-1.511E-04	-9.516E-05	3.412E-05	2.372E-04	3.201E-04	2.831E-04	1.888E-04	1.541E-04	2.603E-04
2.00E 00----2.50E CO	2.576E-04	2.636E-04	2.932E-04	3.035E-04	3.126E-04	3.236E-04	3.650E-04	4.594E-04	5.998E-04
1.66E 00----2.00E CO	5.874E-04	5.504E-04	4.240E-04	2.711E-04	2.099E-04	2.851E-04	4.652E-04	6.501E-04	7.566E-04
1.33E 00----1.66E CO	9.237E-04	8.480E-04	5.931E-04	2.820E-04	2.051E-04	3.855E-04	6.483E-04	9.027E-04	1.023E-03
1.00E 00----1.33E CO	7.632E-04	6.837E-04	5.808E-04	1.216E-04	1.216E-04	2.853E-04	5.806E-04	7.784E-04	7.866E-04
8.00E-01----1.00E CO	8.651E-05	1.006E-04	1.580E-04	2.677E-04	4.039E-04	5.105E-04	5.467E-04	5.881E-04	9.122E-04
6.00E-01----8.00E-01	-4.408E-04	-2.673E-04	1.995E-04	8.747E-04	1.137E-03	1.051E-03	8.697E-04	1.243E-03	2.830E-03
4.00E-01----6.00E-01	4.158E-03	4.158E-03	4.165E-03	4.255E-03	4.603E-03	5.641E-03	7.706E-03	1.116E-02	1.579E-02
3.00E-01----4.00E-01	5.422E-03	5.538E-03	6.195E-03	7.951E-03	1.125E-02	1.601E-02	2.147E-02	2.651E-02	3.021E-02
2.00E-01----3.00E-01	4.655E-02	4.672E-02	4.732E-02	4.804E-02	4.841E-02	4.832E-02	4.796E-02	4.788E-02	4.886E-02
1.00E-01----2.00E-01	1.287E-01	1.290E-01	1.302E-01	1.325E-01	1.359E-01	1.404E-01	1.461E-01	1.519E-01	1.619E-01
5.00E-02----1.00E-01	4.089E-01	4.129E-01	4.190E-01	4.216E-01	4.286E-01	4.396E-01	4.544E-01	4.726E-01	4.940E-01
2.00E-02----5.00E-02	1.286E-01	1.287E-01	1.292E-01	1.300E-01	1.312E-01	1.328E-01	1.347E-01	1.370E-01	1.397E-01
ENERGY GROUP (MEV)	ANGLE 10	ANGLE 11	ANGLE 12	ANGLE 13	ANGLE 14	ANGLE 15	ANGLE 16	ANGLE 17	SCALAR FLUX
8.00E 00----1.00E 01	MU= 0.9590	MU= 0.2816	MU= 0.4580	MU= 0.6179	MU= 0.7550	MU= 0.8656	MU= 0.9446	MU= 0.9894	3.170E-03
6.50E 00----8.00E CO	3.879E-05	5.576E-05	7.897E-05	1.203E-04	2.242E-04	5.392E-04	1.706E-03	9.187E-03	3.391E-02
5.00E 00----5.00E CO	7.756E-04	2.553E-04	5.273E-04	9.836E-04	2.426E-03	7.684E-03	7.684E-03	7.684E-03	7.684E-02
4.00E 00----5.00E CO	6.747E-04	9.455E-04	1.243E-03	1.709E-03	2.910E-03	6.503E-03	1.813E-02	7.491E-02	3.317E-02
3.00E 00----4.00E CO	4.645E-04	7.122E-04	8.808E-04	1.115E-03	2.118E-03	5.740E-03	1.707E-02	6.255E-02	2.706E-02
2.50E 00----3.00E CO	4.6C8E-C4	6.955E-04	8.335E-04	1.119E-03	2.337E-03	6.447E-03	1.736E-02	4.938E-02	2.559E-02
2.00E 00----2.50E CO	8.247E-04	1.433E-03	1.433E-03	2.255E-03	4.679E-03	1.106E-02	2.688E-02	7.724E-02	4.247E-02
1.66E 00----2.00E CO	7.578E-C4	9.515E-04	1.377E-03	2.587E-03	5.618E-03	1.260E-02	2.689E-02	5.816E-02	4.083E-02
1.33E 00----1.66E CO	8.044E-04	9.987E-04	1.786E-03	3.874E-03	8.256E-03	1.640E-02	3.100E-02	4.960E-02	4.960E-02
1.00E 00----1.33E CO	1.010E-03	1.360E-03	2.818E-03	6.127E-03	1.19E-02	2.119E-02	3.541E-02	6.249E-02	6.249E-02
8.00E-01----1.00E CO	9.5C6E-C4	1.946E-04	4.578E-03	9.401E-03	1.62E-02	2.521E-02	3.560E-02	5.066E-02	7.063E-02
6.00E-01----8.00E CO	5.972E-03	4.454E-03	8.644E-03	1.453E-02	2.149E-02	2.953E-02	3.484E-02	4.900E-02	8.818E-02
4.00E-01----6.00E CO	2.123E-02	2.664E-02	3.139E-02	3.541E-02	3.933E-02	4.466E-02	5.186E-02	6.004E-02	6.641E-01
3.00E-01----4.00E CO	3.251E-02	3.424E-02	3.673E-02	4.080E-02	4.656E-02	5.259E-02	5.747E-02	6.647E-02	7.773E-01
2.00E-01----3.00E CO	5.072E-02	5.400E-02	5.825E-02	6.311E-02	6.844E-02	7.981E-02	8.432E-02	8.895E-01	9.209E-00
1.00E-01----2.00E CO	1.722E-01	1.842E-01	1.977E-01	2.125E-01	2.278E-01	2.428E-01	2.556E-01	2.641E-01	2.709E-01
5.00E-02----1.00E CO	5.463E-01	5.187E-01	6.079E-01	6.390E-01	6.677E-01	6.907E-01	7.050E-01	7.050E-01	7.050E-01
2.00E-02----5.00E CO	1.426E-01	1.458E-01	1.490E-01	1.522E-01	1.552E-01	1.578E-01	1.608E-01	1.789E-01	1.789E-01

4 P1 R**2 FLUENCE AT 1200.0 METERS

12.20 TO 15.00 MEV NEUTRON SOURCE

(GAMMAS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=-1.0000	ANGLE 2 MU=-0.9894	ANGLE 3 MU=-0.9446	ANGLE 4 MU=-0.8656	ANGLE 5 MU=-0.7550	ANGLE 6 MU=-0.6179	ANGLE 7 MU=-0.4580	ANGLE 8 MU=-0.2816	ANGLE 9 MU=-0.0950
8.00E 00----1.00E 01	-1.902E-06	-8.398E-07	1.695E-06	5.663E-06	7.498E-06	2.609E-06	5.412E-06	7.739E-06	6.934E-06
6.50E 00----1.00E 00	-2.074E-05	-1.422E-05	2.198E-06	3.437E-05	3.137E-05	1.658E-05	4.517E-05	2.684E-05	1.438E-05
5.00E 00----6.50E 00	-3.150E-05	-1.019E-05	4.202E-05	1.218E-04	1.556E-04	1.662E-04	1.105E-04	9.721E-05	1.438E-04
4.00E 00----5.00E 00	-1.105E-04	-5.293E-06	7.119E-05	1.472E-04	1.092E-04	1.360E-05	6.079E-06	5.757E-05	5.757E-05
3.00E 00----4.00E 00	-1.0270E-04	-9.431E-05	-9.337E-06	8.835E-05	1.389E-04	1.064E-04	2.569E-05	2.657E-05	7.838E-05
2.50E 00----3.00E 00	-3.257E-05	-1.117E-05	4.332E-05	1.191E-04	1.412E-04	1.194E-04	8.471E-05	9.167E-05	1.655E-04
2.00E 00----2.50E 00	9.649E-05	9.662E-05	9.587E-05	9.133E-05	8.465E-05	8.598E-05	1.081E-04	1.542E-04	2.084E-04
1.66E 00----2.00E 00	2.743E-04	2.478E-04	1.504E-04	3.766E-05	1.318E-05	2.26E-05	1.558E-04	2.579E-04	2.579E-04
1.33E 00----1.66E 00	4.352E-04	3.861E-04	1.877E-04	2.613E-05	-1.072E-05	7.161E-05	2.419E-04	3.534E-04	3.147E-04
1.00E 00----1.33E 00	3.461E-04	3.001E-04	1.2229E-04	-9.542E-06	-1.505E-05	7.643E-05	2.328E-04	2.873E-04	2.271E-04
8.00E-01----1.00E 00	-6.314E-05	-4.622E-05	9.454E-06	9.883E-05	1.700E-04	2.060E-04	1.681E-04	1.362E-04	3.083E-04
6.00E-01----8.00E-01	-3.975E-04	-2.980E-04	9.350E-06	9.097E-04	4.716E-04	3.272E-04	3.872E-04	1.372E-03	1.372E-03
4.00E-01----6.00E-01	1.990E-03	1.977E-03	1.936E-03	1.931E-03	2.107E-03	2.671E-03	5.837E-03	5.710E-03	8.174E-03
3.00E-01----4.00E-01	2.388E-03	2.466E-03	2.878E-03	3.908E-03	5.746E-03	8.296E-03	1.108E-02	1.347E-02	1.500E-02
2.00E-01----3.00E-01	6.203E-02	6.218E-02	6.280E-02	2.424E-02	2.434E-02	2.383E-02	2.334E-02	2.334E-02	2.319E-02
1.00E-01----2.00E-01	6.218E-02	6.218E-02	6.280E-02	6.392E-02	6.553E-02	6.767E-02	7.035E-02	7.364E-02	7.759E-02
5.00E-01----2.00E-01	1.973E-01	1.977E-01	1.592E-01	2.021E-01	2.062E-01	2.117E-01	2.186E-01	2.270E-01	2.309E-01
2.00E-02----5.00E-02	6.167E-02	6.172E-02	6.193E-02	6.231E-02	6.286E-02	6.359E-02	6.448E-02	6.553E-02	6.673E-02
ENERGY GROUP (MEV)	ANGLE 10 MU= 0.0550	ANGLE 11 MU= 0.2816	ANGLE 12 MU= 0.458C	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9894	SCALAR FLUX
8.00E 00----1.00E 01	1.219E-05	1.881E-05	1.576E-05	3.711E-05	7.455E-05	2.497E-05	2.178E-04	5.418E-03	1.576E-03
6.50E 00----8.00E 00	5.311E-05	8.575E-05	1.087E-04	1.452E-04	2.970E-04	9.997E-04	3.667E-03	2.202E-02	6.564E-03
5.00E 00----6.50E 00	2.477E-04	3.650E-04	4.563E-04	5.790E-04	1.044E-03	2.790E-03	9.048E-03	4.124E-02	1.555E-02
4.00E 00----5.00E 00	1.796E-04	2.897E-04	3.498E-04	4.798E-04	6.889E-04	1.797E-03	8.983E-03	3.490E-02	1.229E-02
3.00E 00----4.00E 00	2.016E-04	2.949E-04	2.979E-04	3.467E-04	9.690E-04	3.324E-03	9.795E-03	2.780E-02	1.299E-02
2.50E 00----4.00E 00	2.704E-04	3.497E-04	4.177E-04	7.197E-04	1.906E-03	5.274E-03	1.348E-02	3.689E-02	1.874E-02
2.00E 00----2.50E 00	2.472E-04	2.830E-04	4.412E-04	1.054E-03	2.752E-03	6.577E-03	1.423E-02	2.955E-02	1.957E-02
1.66E 00----2.00E 00	2.320E-04	6.178E-04	1.768E-04	1.768E-03	4.178E-03	8.487E-03	1.567E-02	2.864E-02	2.313E-02
1.33E 00----1.66E 00	2.143E-04	3.491E-04	1.146E-03	3.008E-03	6.172E-03	1.074E-02	1.699E-02	2.677E-02	2.844E-02
1.00E 00----1.33E 00	2.642E-04	8.186E-04	2.337E-03	5.031E-03	8.688E-03	1.276E-02	1.676E-02	2.111E-02	3.409E-02
8.00E-01----1.00E 00	9.590E-04	2.375E-03	4.693E-03	7.755E-03	1.107E-02	1.399E-02	1.603E-02	1.735E-02	4.349E-02
6.00E-01----8.00E-01	3.151E-03	5.590E-03	8.283E-03	1.077E-02	1.283E-02	1.557E-02	1.621E-02	1.787E-02	6.031E-02
4.00E-01----6.00E-01	1.088E-02	1.336E-02	1.530E-02	1.671E-02	1.805E-02	1.997E-02	2.272E-02	2.560E-02	1.204E-01
3.00E-01----4.00E-01	1.571E-02	1.616E-02	1.707E-02	1.886E-02	2.130E-02	2.517E-02	2.574E-02	1.794E-01	1.264E-01
2.00E-01----3.00E-01	2.400E-02	2.539E-02	2.715E-02	2.908E-02	3.111E-02	3.523E-02	3.686E-02	3.263E-01	1.048E-01
1.00E-01----2.00E-01	8.223E-02	8.753E-02	9.343E-02	9.973E-02	1.061E-01	1.122E-01	1.172E-01	1.204E-01	1.048E-01
5.00E-02----1.00E-01	2.480E-01	2.604E-01	2.738E-01	2.876E-01	3.010E-01	3.331E-01	3.227E-01	3.285E-01	3.120E-01
2.00E-02----5.00E-02	6.805E-02	6.946E-02	7.090E-02	7.230E-02	7.359E-02	7.470E-02	7.553E-02	7.602E-02	8.530E-01

4 PI R**2 FLUENCE AT 1500.C METERS

12.20 TO 15.00 MEV NEUTRON SOURCE

1

(GAMMAS/MEV/STERADIANT/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=-1.000	ANGLE 2 MU=-0.9894	ANGLE 3 MU=-0.9446	ANGLE 4 MU=-0.8156	ANGLE 5 MU=0.7550	ANGLE 6 MU=-0.6179	ANGLE 7 MU=-0.4580	ANGLE 8 MU=-0.2016	ANGLE 9 MU=-0.0950
8.00E 00----1.00E 01	-2.271E-06	-1.661E-06	2.556E-08	2.035E-06	2.754E-06	2.680E-06	8.455E-07	1.517E-07	1.517E-06
6.50E 00----8.00E 00	-1.647E-05	-1.282E-05	-1.410E-05	7.054E-06	1.537E-05	1.024E-05	4.185E-07	-1.616E-06	4.286E-06
5.00E 00----6.50E 00	-3.677E-05	-2.519E-05	4.571E-06	4.795E-05	6.230E-05	5.235E-05	2.103E-05	2.232E-05	4.200E-05
4.00E 00----5.00E 00	-8.992E-05	-7.370E-05	-7.370E-05	2.929E-05	6.822E-05	6.192E-05	-7.974E-06	-1.716E-05	1.026E-05
3.00E 00----4.00E 00	-7.976E-05	-6.216E-05	-7.033E-05	3.393E-05	6.847E-05	3.125E-05	-4.260E-06	-6.932E-06	2.366E-05
2.50E 00----3.00E 00	-3.379E-05	-2.314E-05	4.658E-06	4.154E-05	4.802E-05	3.070E-05	9.579E-06	1.588E-05	5.208E-05
2.00E 00----2.50E 00	4.142E-05	3.991E-05	3.397E-05	2.439E-05	1.693E-05	1.802E-05	3.201E-05	5.445E-05	7.445E-05
1.46E 00----2.00E 00	1.350E-04	1.187E-04	5.328E-05	-4.099E-06	-2.212E-05	2.802E-06	6.017E-05	1.021E-04	6.902E-05
1.33E 00----1.66E 00	2.101E-04	1.819E-04	7.184E-05	-2.038E-05	-4.102E-05	5.430E-06	9.686E-05	1.453E-04	8.017E-05
1.00E 00----1.33E 00	1.570E-04	1.329E-04	4.318E-05	-2.498E-05	-2.643E-05	2.140E-05	9.668E-05	1.059E-04	3.724E-05
8.00E 00----1.10E 00	-6.849E-05	-5.633E-05	-1.309E-05	8.276E-05	8.372E-05	7.904E-05	3.159E-05	1.560E-05	1.073E-04
6.00E 00----8.00E 00	-1.928E-04	-2.261E-05	1.178E-04	2.111E-04	9.235E-05	2.642E-05	1.506E-05	1.506E-04	6.424E-04
4.00E 00----6.00E 00	9.327E-04	8.952E-04	8.734E-04	9.573E-04	1.255E-03	1.869E-03	2.828E-03	4.043E-03	4.043E-03
3.00E 00----4.00E 00	1.096E-03	1.130E-03	1.884E-03	2.833E-03	4.112E-03	5.450E-03	6.527E-03	7.128E-03	7.128E-03
2.00E 00----3.00E 00	1.161E-02	1.163E-02	1.170E-02	1.172E-02	1.160E-02	1.132E-02	1.096E-02	1.071E-02	1.071E-02
1.40E 00----2.00E 00	2.886E-02	2.893E-02	2.922E-02	2.974E-02	3.048E-02	3.146E-02	3.266E-02	3.412E-02	3.546E-02
5.00E 00----9.00E 00	9.121E-02	9.137E-02	9.206E-02	9.333E-02	9.516E-02	9.760E-02	1.006E-01	1.086E-01	1.086E-01
2.00E 00----5.00E 00	2.828E-02	2.830E-02	2.839E-02	2.886E-02	2.886E-02	2.912E-02	2.951E-02	2.997E-02	3.049E-02

ENERGY GROUP (MEV)	ANGLE 10 MU=0.4580	ANGLE 11 MU=0.2816	ANGLE 12 MU=0.922E-06	ANGLE 13 MU=0.6179	ANGLE 14 MU=0.7550	ANGLE 15 MU=0.6656	ANGLE 16 MU=0.9446	ANGLE 17 SCALAR FLUX
8.00E 00----1.00E 01	4.113E-06	6.992E-06	8.634E-06	1.037E-05	2.244E-05	8.472E-05	3.986E-04	3.034E-03
6.50E 00----8.00E 00	1.796E-05	3.155E-05	3.462E-05	3.225E-05	7.533E-05	3.503E-04	1.694E-03	3.103E-03
5.00E 00----5.00E 00	9.337E-05	1.257E-04	1.631E-04	1.732E-04	1.152E-03	1.152E-03	3.344E-03	7.147E-03
4.00E 00----4.00E 00	7.643E-05	1.036E-05	4.544E-05	1.894E-04	1.159E-03	4.544E-03	1.761E-02	6.081E-03
3.00E 00----3.00E 00	8.858E-05	1.265E-04	9.648E-05	7.789E-05	3.772E-04	1.655E-03	5.196E-03	6.335E-03
2.50E 00----2.50E 00	9.532E-05	1.117E-04	1.075E-04	2.194E-04	8.018E-04	1.523E-03	6.604E-03	7.093E-03
2.00E 00----2.00E 00	7.533E-05	6.801E-05	1.271E-04	4.365E-04	1.325E-03	3.299E-03	7.544E-03	9.146E-03
1.60E 00----1.60E 00	2.422E-05	3.322E-05	2.165E-04	8.317E-04	2.090E-04	4.229E-03	7.544E-03	1.066E-02
1.33E 00----1.66E 00	2.62E-06	7.782E-05	4.969E-04	1.488E-03	3.099E-03	5.239E-03	7.826E-03	1.118E-02
1.00E 00----1.33E 00	7.336E-05	3.633E-04	1.180E-03	2.577E-03	4.351E-03	6.108E-03	7.500E-03	8.612E-03
8.00E 00----1.00E 00	4.644E-04	1.223E-03	2.408E-03	3.888E-03	5.356E-03	6.468E-03	7.009E-03	7.131E-03
6.00E 00----8.00E 00	1.596E-03	2.831E-03	4.088E-03	5.126E-03	5.872E-03	6.422E-03	6.932E-03	7.420E-03
4.00E 00----6.00E 00	5.313E-03	6.397E-03	7.144E-03	7.604E-03	8.033E-03	8.747E-03	9.838E-03	1.093E-02
3.00E 00----4.00E 00	7.309E-03	7.378E-03	7.708E-03	8.477E-03	9.516E-03	1.042E-02	1.087E-02	1.090E-02
2.00E 00----3.00E 00	1.103E-02	1.160E-02	1.232E-02	1.301E-02	1.384E-02	1.463E-02	1.542E-02	1.601E-01
1.00E 00----2.00E 00	3.787E-02	4.015E-02	4.264E-02	4.526E-02	4.787E-02	5.028E-02	5.223E-02	4.802E-01
5.00E 00----1.00E 01	1.134E-01	1.187E-01	1.244E-01	1.302E-01	1.357E-01	1.406E-01	1.445E-01	1.468E-01
2.00E 00----5.00E 00	3.105E-02	3.165E-02	3.226E-02	3.285E-02	3.339E-02	3.419E-02	3.439E-02	3.439E-02

4 PI R**2 FLUENCE AT 1800.C METERS

12.20 TO 15.00 MEV NEUTRON SOURCE

(GAMMAS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
8.00E 00----1.00E 01	MU=-1.0000	MU=-0.9894	MU=-0.9446	MU=-0.8656	MU=-0.7550	MU=-0.6179	MU=-0.4580	MU=-0.2816	MU=-0.0950
6.50E 00----8.00E 00	-1.2375E-06	-1.726E-07	6.326E-07	1.392E-06	7.073E-07	1.749E-08	-2.022E-07	3.010E-07	
5.00E 00----6.50E 00	-1.002E-C5	-8.061E-06	-1.875E-06	2.801E-06	7.071E-06	3.194E-06	-1.352E-06	-2.765E-06	1.339E-06
4.00E 00----5.00E 00	-2.520E-05	-1.917E-05	-8.155E-10	1.489E-05	2.802E-05	1.844E-05	1.313E-05	1.015E-06	1.089E-05
3.00E 00----4.00E 00	-4.956E-C5	-4.004E-05	-9.848E-06	1.314E-05	2.30E-05	1.141E-05	-1.034E-05	-1.522E-05	6.503E-06
2.50E 00----3.00E 00	-4.412E-05	-3.511E-05	-6.1632E-06	1.496E-05	3.142E-05	1.496E-05	-8.623E-06	-9.943E-06	6.612E-06
2.00E 00----2.50E 00	-2.034E-C5	-1.525E-05	-1.8336E-07	1.316E-05	1.822E-05	6.849E-05	-2.139E-06	1.368E-06	1.655E-05
1.66E 00----2.00E 00	1.996E-05	1.855E-05	1.302E-05	4.512E-06	5.416E-07	2.283E-06	9.932E-06	2.181E-05	2.778E-05
1.33E 00----1.66E 00	6.767E-05	5.843E-05	2.241E-05	-9.688E-06	-1.955E-05	-1.725E-06	2.031E-05	4.617E-05	2.467E-05
1.00E 00----1.33E 00	1.022E-04	8.70E-05	2.948E-05	-1.944E-05	-2.990E-05	2.051E-06	3.588E-05	6.391E-05	1.649E-05
8.00E-01----1.00E 00	-4.639E-C5	-3.894E-05	1.582E-05	-1.734E-05	-1.722E-05	6.848E-06	4.164E-05	3.909E-05	-9.555E-07
6.00E-01----8.00E-01	-1.324E-04	-1.895E-04	-1.278E-05	1.406E-05	4.028E-05	3.163E-05	9.198E-07	-1.031E-05	3.877E-05
4.00E-01----6.00E-01	4.484E-C4	4.408E-04	4.159E-04	5.161E-05	5.266E-05	2.756E-05	2.756E-05	-7.972E-05	3.170E-04
3.00E-01----4.00E-01	4.667E-C4	4.920E-04	6.177E-04	9.039E-04	3.987E-04	4.390E-04	5.916E-04	9.031E-04	1.960E-03
2.00E-01----3.00E-01	5.568E-03	5.575E-03	5.592E-03	5.577E-03	5.485E-03	1.379E-03	1.998E-03	2.626E-03	3.105E-03
1.00E-01----2.00E-01	1.333E-02	1.333E-02	1.349E-02	1.373E-02	1.407E-02	1.451E-02	1.505E-02	1.570E-02	4.922E-03
5.00E-02----1.00E-01	4.186E-02	4.217E-02	4.273E-02	4.354E-02	4.462E-02	4.595E-02	4.595E-02	4.554E-02	4.940E-02
2.00E-02----5.00E-02	1.286E-02	1.287E-02	1.32E-02	1.299E-02	1.310E-02	1.323E-02	1.340E-02	1.360E-02	1.382E-02
ENERGY GROUP (MEV)	ANGLE 10	ANGLE 11	ANGLE 12	ANGLE 13	ANGLE 14	ANGLE 15	ANGLE 16	ANGLE 17	SCALAR FLUX
8.00E 00----1.00E C1	MU= 0.0950	MU= 0.2816	MU= 0.4580	MU= 0.6179	MU= 0.7550	MU= C.8656	MU= C.9446	MU= 0.9894	
6.50E 00----8.00E C0	1.6C8E-C6	2.882E-06	3.018E-06	2.364E-06	5.706E-06	1.671E-04	1.671E-04	3.910E-04	
5.00E 00----6.50E 00	6.250E-06	1.357E-05	1.162E-05	2.475E-05	1.329E-05	2.922E-04	7.764E-04	6.122E-03	1.479E-03
4.00E 00----5.00E 00	3.658E-C5	5.853E-05	5.703E-05	4.138E-05	9.402E-05	4.695E-04	2.041E-03	1.076E-02	3.258E-03
3.00E 00----4.00E 00	2.941E-05	5.363E-05	5.454E-05	2.780E-05	-1.812E-05	4.840E-05	5.222E-04	2.263E-03	8.791E-03
2.50E 00----3.00E 00	4.040E-05	5.454E-05	2.086E-05	6.543E-05	8.126E-05	1.456E-04	8.126E-04	2.661E-03	8.859E-03
2.00E 00----2.50E 00	3.539E-05	3.540E-05	2.052E-05	6.468E-05	3.536E-04	1.220E-03	3.203E-03	7.312E-03	3.049E-03
1.66E 00----2.00E 00	2.C52E-05	7.739E-06	3.175E-05	1.892E-04	6.429E-04	1.626E-03	3.433E-03	7.751E-03	3.792E-03
1.33E 00----1.66E 00	-1.355E-05	-9.470E-06	8.212E-05	4.029E-04	4.029E-04	1.038E-03	2.066E-03	6.468E-03	4.249E-03
1.00E 00----1.33E 00	-2.537E-05	1.285E-05	2.295E-04	7.413E-04	1.532E-04	2.506E-03	3.549E-03	4.673E-03	4.931E-03
8.00E-01----1.00E 00	1.647E-05	1.700E-04	5.931E-04	1.287E-03	2.119E-03	2.853E-03	3.303E-03	3.514E-03	7.398E-03
6.00E-01----8.00E-01	7.976E-04	1.199E-04	1.199E-03	2.888E-03	2.522E-03	2.929E-03	3.01E-03	2.941E-03	9.537E-03
4.00E-01----6.00E-01	2.543E-03	3.009E-03	3.294E-03	3.431E-03	3.571E-03	3.849E-03	4.300E-03	3.148E-03	1.289E-02
3.00E-01----4.00E-01	3.365E-03	3.351E-03	3.475E-03	3.810E-03	4.255E-03	4.610E-03	4.744E-03	4.688E-03	4.801E-02
2.00E-01----3.00E-01	5.047E-03	5.287E-03	5.580E-03	5.876E-03	6.171E-03	6.482E-03	6.794E-03	7.029E-03	6.880E-02
1.00E-01----2.00E-01	1.733E-02	1.831E-02	1.937E-02	2.047E-02	2.154E-02	2.252E-02	2.331E-02	2.378E-02	2.190E-01
5.00E-02----1.00E-01	5.149E-02	5.376E-02	5.615E-02	5.857E-02	6.086E-02	6.288E-02	6.444E-02	6.536E-02	6.467E-01
2.CCE-02----5.00E-02	1.432E-02	1.458E-02	1.407E-02	1.453E-02	1.505E-02	1.525E-02	1.539E-02	1.547E-02	1.762E-01

4 PI R**2 HENDERSON DOSE (NEUTRONS)
(CM**2 RAD/STERADIAN/SOURCE NEUTRON)

12.200 TO 15.000 MEV NEUTRON SOURCE

COSINE	75.0	100.0	150.0	200.0	RANGE (METERS)	250.0	300.0	400.0
-1.0000E 00	7.742E-11	9.251E-11	1.151E-10	1.285E-10	1.345E-10	1.35CE-10	1.252E-10	1.252E-10
-9.89401E-01	7.887E-11	9.400E-11	1.165E-10	1.298E-10	1.356E-10	1.36CE-10	1.258E-10	1.258E-10
-9.44575E-01	8.120E-11	9.760E-11	1.202E-10	1.320E-10	1.389E-10	1.39CE-10	1.281E-10	1.281E-10
-8.65631E-01	8.456E-11	1.002E-10	1.224E-10	1.354E-10	1.413E-10	1.415E-10	1.307E-10	1.307E-10
-7.55044E-01	8.523E-11	1.014E-10	1.253E-10	1.404E-10	1.464E-10	1.465E-10	1.353E-10	1.353E-10
-6.17876E-01	8.784E-11	1.046E-10	1.307E-10	1.451E-10	1.515E-10	1.521E-10	1.409E-10	1.409E-10
-4.58017E-01	9.070E-11	1.085E-10	1.356E-10	1.521E-10	1.600E-10	1.608E-10	1.495E-10	1.495E-10
-2.81605E-01	9.989E-11	1.192E-10	1.491E-10	1.671E-10	1.748E-10	1.757E-10	1.633E-10	1.633E-10
-9.50125E-02	1.146E-10	1.366E-10	1.700E-10	1.897E-10	1.981E-10	1.986E-10	1.836E-10	1.836E-10
9.50125E-02	1.772E-10	1.549E-10	1.930E-10	2.253E-10	2.344E-10	2.388E-10	2.11CE-10	2.11CE-10
2.81605E-01	1.681E-10	2.056E-10	2.596E-10	2.582E-10	2.668E-10	2.698E-10	2.452E-10	2.452E-10
4.58017E-01	2.137E-10	2.210E-10	2.617E-10	3.14CE-10	3.254E-10	3.187E-10	2.903E-10	2.903E-10
6.17876E-01	2.555E-10	2.934E-10	3.652E-10	3.839E-10	3.957E-10	3.955E-10	3.572E-10	3.572E-10
7.55044E-01	4.324E-10	4.276E-10	4.812E-10	5.337E-10	5.332E-10	5.304E-10	4.743E-10	4.743E-10
8.65631E-01	6.909E-10	7.4C4E-10	7.917E-10	8.301E-10	8.365E-10	8.116E-10	7.043E-10	7.043E-10
9.44575E-01	1.748E-09	1.755E-09	1.747E-08	1.694E-09	1.608E-09	1.227E-09	4.618E-09	4.618E-09
9.89401E-01	2.122E-08	1.863E-08	1.471E-08	1.168E-08	9.232E-09	7.318E-09	4.618E-09	4.618E-09
TOTAL	6.519E-09	6.280E-09	6.070E-09	5.810E-09	5.458E-09	5.055E-09	4.190E-09	4.190E-09

COSINE	500.0	600.0	900.0	1200.0	RANGE (METERS)	1500.0	1800.0
-1.0000E 00	1.C76E-10	8.836E-11	4.043E-11	1.562E-11	1.562E-11	5.451E-12	1.777E-12
-9.89401E-01	1.083E-10	8.872E-11	4.057E-11	1.57E-11	1.587E-11	5.468E-12	1.782E-12
-9.44575E-01	1.100E-10	9.004E-11	4.111E-11	1.587E-11	1.587E-11	5.538E-12	1.806E-12
-8.65631E-01	1.124E-10	9.206E-11	4.208E-11	1.626E-11	1.626E-11	5.674E-12	1.850E-12
-7.55044E-01	1.164E-10	9.529E-11	4.357E-11	1.684E-11	1.684E-11	5.817E-12	1.903E-12
-6.17876E-01	1.214E-10	9.958E-11	4.566E-11	1.766E-11	1.766E-11	6.169E-12	2.012E-12
-4.58017E-01	1.291E-10	1.060E-10	4.865E-11	1.882E-11	1.882E-11	6.569E-12	2.142E-12
-2.81605E-01	1.408E-10	1.155E-10	5.284E-11	2.039E-11	2.039E-11	7.107E-12	2.315E-12
-9.50125E-02	1.577E-10	1.288E-10	5.849E-11	2.247E-11	2.247E-11	7.809E-12	2.539E-12
9.50125E-02	1.799E-10	1.464E-10	6.583E-11	2.516E-11	2.516E-11	8.114E-12	2.827E-12
2.81605E-01	1.083E-10	1.688E-10	7.531E-11	2.863E-11	2.863E-11	9.886E-12	3.200E-12
4.58017E-01	2.457E-10	1.986E-10	8.802E-11	3.330E-11	3.330E-11	1.145E-11	3.696E-12
6.17876E-01	3.013E-10	2.426E-10	1.064E-10	3.993E-11	3.993E-11	4.335E-11	4.335E-12
7.55044E-01	3.957E-10	3.155E-10	1.352E-10	4.990E-11	4.990E-11	1.685E-11	5.364E-12
8.65631E-01	5.738E-10	4.483E-10	1.835E-10	6.564E-11	6.564E-11	2.707E-11	6.803E-12
9.44575E-01	9.553E-10	7.189E-10	2.708E-10	9.178E-11	9.178E-11	8.937E-12	9.937E-12
9.89401E-01	2.941E-09	1.889E-09	5.211E-10	1.487E-10	1.487E-10	1.231E-11	1.231E-11
TOTAL	3.346E-09	2.598E-09	1.076E-09	3.938E-10	3.938E-10	4.241E-11	4.241E-11

4 P1 R**2 SNYDER-NEUFELD DOSE (NEUTRONS)
(CM**2 RAD/STERADIAN/SOURCE NEUTRON)

12.200 TO 15.000 MEV NEUTRON SOURCE

COSINE	75.0	100.0	150.0	RANGE (METERS)			400.0
				200.0	250.0	300.0	
-1.0000E+00	1.111E-10	1.342E-10	1.706E-10	1.345E-10	2.079E-10	2.136E-10	2.052E-10
-9.8940E-01	1.129E-10	1.361E-10	1.724E-10	1.962E-10	2.093E-10	2.142E-10	2.061E-10
-5.575E-01	1.175E-10	1.466E-10	1.771E-10	2.007E-10	2.135E-10	2.181E-10	2.092E-10
-8.6263E-01	1.195E-10	1.486E-10	1.799E-10	2.034E-10	2.169E-10	2.218E-10	2.131E-10
-7.5504E-01	1.208E-10	1.493E-10	1.838E-10	2.103E-10	2.240E-10	2.289E-10	2.198E-10
-6.1787E-01	1.243E-10	1.497E-10	1.912E-10	2.171E-10	2.317E-10	2.371E-10	2.282E-10
-4.5801E-01	1.286E-10	1.986E-10	2.055E-10	2.439E-10	2.500E-10	2.410E-10	2.410E-10
-2.81605E-01	1.411E-10	1.703E-10	2.172E-10	2.483E-10	2.648E-10	2.609E-10	2.609E-10
-9.50125E-02	1.611E-10	1.940E-10	2.460E-10	2.796E-10	2.973E-10	3.033E-10	2.898E-10
9.50125E-02	2.448E-10	2.174E-10	2.774E-10	3.282E-10	3.472E-10	3.452E-10	3.283E-10
2.81605E-01	2.334E-10	2.881E-10	3.688E-10	3.734E-10	3.921E-10	4.020E-10	3.762E-10
4.58017E-01	2.952E-10	3.072E-10	3.694E-10	4.508E-10	4.725E-10	4.697E-10	4.392E-10
6.17870E-01	3.498E-10	4.071E-10	5.12E-10	5.452E-10	5.688E-10	5.752E-10	5.318E-10
7.55044E-01	5.850E-10	6.664E-10	7.69E-10	7.476E-10	7.687E-10	7.584E-10	6.918E-10
8.62631E-01	9.256E-10	9.58E-10	1.082E-09	1.143E-09	1.161E-09	1.136E-09	1.002E-09
9.44575E-01	2.298E-09	2.326E-09	2.337E-09	2.286E-09	2.183E-09	2.044E-09	1.999E-09
9.89401E-01	2.734E-08	2.405E-08	1.906E-08	1.519E-08	1.206E-08	9.605E-09	6.74E-09
TOTAL	8.614E-09	8.376E-09	8.245E-09	8.027E-09	7.667E-09	7.218E-09	6.171E-09
COSINE	500.0	600.0	900.0	1200.0	1500.0	1800.0	
-1.0000E+00	1.83CE-10	1.549E-10	7.649E-11	3.119E-11	1.131E-11	3.79CE-12	
-9.89401E-01	1.897E-10	1.554E-10	7.671E-11	3.127E-11	1.134E-11	3.800E-12	
-9.44575E-01	1.862E-10	1.574E-10	7.758E-11	3.162E-11	1.162E-11	3.841E-12	
-8.62631E-01	1.898E-10	1.605E-10	7.915E-11	3.226E-11	1.169E-11	3.918E-12	
-7.55044E-01	1.557E-10	1.654E-10	8.155E-11	3.323E-11	1.204E-11	4.034E-12	
-6.17870E-01	2.034E-10	1.721E-10	8.490E-11	3.459E-11	1.253E-11	4.197E-12	
-4.58017E-01	2.150E-10	1.819E-10	8.961E-11	3.645E-11	1.319E-11	4.414E-12	
-2.81605E-01	2.322E-10	1.960E-10	9.607E-11	3.894E-11	1.406E-11	4.698E-12	
-9.50125E-02	2.565E-10	2.155E-10	1.046E-10	4.217E-11	1.518E-11	5.059E-12	
9.50125E-02	2.882E-10	2.408E-10	1.156E-10	4.628E-11	1.659E-11	5.514E-12	
2.81605E-01	3.285E-10	2.729E-10	1.295E-10	5.152E-11	1.838E-11	6.092E-12	
4.58017E-01	3.912E-10	3.153E-10	1.480E-10	5.842E-11	2.073E-11	6.842E-12	
6.17870E-01	4.587E-10	3.770E-10	1.743E-10	6.802E-11	2.394E-11	7.857E-12	
7.55044E-01	5.984E-10	4.777E-10	2.147E-10	8.218E-11	2.853E-11	9.276E-12	
8.62631E-01	8.298E-10	6.586E-10	2.813E-10	1.042E-10	3.537E-11	1.132E-11	
9.44575E-01	1.341E-09	1.023E-09	4.004E-10	1.402E-10	4.587E-11	1.431E-11	
9.89401E-01	3.944E-09	2.565E-09	7.352E-10	2.175E-10	6.459E-11	1.899E-11	
TOTAL	5.073E-09	4.045E-09	1.790E-09	6.879E-10	2.406E-10	7.878E-11	

4 PI R**2 TISSUE KERMA (NEUTRONS)
(CM**2 ERGS/GRAM/STERADIAN/SOURCE NEUTRON)

COSINE	75.0	100.0	150.0	RANGE (METERS)	250.0	300.0	400.0
-1.00000E+00	8.080E-09	9.654E-C9	1.203E-08	1.340E-08	1.416E-08	1.427E-08	1.333E-08
-9.89401E-01	8.250E-09	9.229E-09	1.220E-08	1.362E-08	1.429E-08	1.341E-08	1.341E-08
-9.44575E-01	8.636E-09	1.025E-08	1.263E-08	1.404E-08	1.466E-08	1.471E-08	1.366E-08
-8.65631E-01	8.914E-09	1.055E-08	1.288E-08	1.426E-08	1.492E-08	1.499E-08	1.395E-08
-7.5044E-01	8.978E-09	1.066E-C8	1.318E-C8	1.481E-08	1.553E-08	1.553E-08	1.444E-08
-6.17876E-01	9.247E-09	1.099E-C8	1.375E-08	1.529E-08	1.601E-08	1.610E-08	1.500E-08
-4.58017E-01	9.525E-09	1.138E-08	1.423E-08	1.594E-08	1.686E-08	1.700E-08	1.590E-08
-2.81605E-01	1.050E-08	1.151E-08	1.565E-08	1.751E-08	1.841E-08	1.856E-08	1.735E-08
-9.50125E-02	1.209E-08	1.439E-08	1.790E-08	1.999E-08	2.091E-08	2.100E-08	1.951E-08
9.50125E-02	1.894E-08	1.654E-C8	2.038E-08	2.383E-08	2.481E-08	2.492E-08	2.241E-08
2.81605E-01	1.794E-08	2.192E-C8	2.765E-08	2.734E-08	2.825E-08	2.860E-08	2.603E-08
4.58017E-01	2.283E-08	2.337E-08	2.759E-08	3.337E-08	3.448E-08	3.375E-08	3.077E-08
6.17876E-01	2.743E-08	3.142E-08	3.903E-08	4.076E-08	4.191E-08	4.188E-08	3.783E-08
7.55044E-01	4.740E-08	4.576E-08	5.123E-08	5.693E-08	5.783E-08	5.638E-08	5.036E-08
8.65631E-01	7.609E-08	8.456E-08	8.590E-08	8.956E-08	8.713E-08	7.536E-08	7.056E-08
9.44575E-01	1.970E-07	1.960E-07	1.930E-07	1.861E-07	1.758E-07	1.629E-07	1.330E-07
9.89401E-01	2.456E-06	2.152E-06	1.691E-06	1.337E-06	1.052E-06	8.304E-07	5.195E-07
TOTAL	7.342E-07	7.0116E-07	6.699E-C7	6.357E-C7	5.935E-07	5.474E-07	4.513E-07

COSINE	500.0	600.0	RANGE (METERS)	900.0	1200.0	1500.0	1800.0
-1.00000E+00	1.157E-08	9.550E-09	4.447E-09	1.740E-09	6.131E-10	2.012E-10	2.012E-10
-9.89401E-01	1.162E-08	9.589E-C9	4.462E-09	1.746E-09	6.149E-10	2.018E-10	2.018E-10
-9.44575E-01	1.181E-08	9.734E-09	4.521E-09	1.768E-09	6.226E-10	2.044E-10	2.044E-10
-8.65631E-01	1.249E-08	9.029E-C9	4.622E-09	1.872E-09	6.372E-10	2.092E-10	2.092E-10
-7.55044E-01	1.307E-08	1.014E-08	5.004E-C9	1.874E-09	6.591E-10	2.164E-10	2.164E-10
-6.17876E-01	1.331E-08	1.141E-C8	5.320E-09	2.088E-09	6.904E-10	2.267E-10	2.267E-10
-4.58017E-01	1.505E-08	1.241E-08	5.763E-09	2.249E-09	7.331E-10	2.406E-10	2.406E-10
-2.81605E-01	1.683E-08	1.382E-08	6.359E-09	2.468E-09	7.903E-10	2.590E-10	2.590E-10
-9.50125E-02	1.919E-08	1.568E-08	7.132E-09	2.752E-09	8.647E-10	2.828E-10	2.828E-10
9.50125E-02	2.218E-08	1.803E-08	8.125E-09	3.116E-09	9.602E-10	3.132E-09	3.132E-09
2.81605E-01	2.611E-08	2.115E-C8	9.453E-09	3.603E-09	1.083E-09	3.524E-10	3.524E-10
4.58017E-01	3.195E-08	2.577E-08	1.138E-08	4.294E-09	1.247E-09	4.042E-10	4.042E-10
6.17876E-01	4.200E-08	3.351E-08	1.441E-08	5.339E-09	1.475E-09	4.757E-10	4.757E-10
7.55044E-01	6.127E-08	4.780E-C8	1.954E-08	7.009E-09	1.810E-09	5.780E-10	5.780E-10
8.65631E-01	1.031E-07	7.134E-08	2.896E-08	9.786E-09	3.116E-09	9.524E-10	9.524E-10
9.44575E-01	3.281E-07	2.032E-07	5.665E-08	1.599E-08	4.579E-09	1.311E-09	1.311E-09
TOTAL	3.597E-07	2.792E-07	1.161E-07	4.275E-08	1.451E-08	4.650E-09	4.650E-09

$4 \cdot \pi R^2$ MID-PHANTOM DOSE (NEUTRONS)
(CM 2 RAD/STERADIAN/SOURCE NEUTRON)

12.200 TO 15.000 MEV NEUTRON SOURCE

	COSINE	75.0	100.0	150.0	RANGE (METERS)	200.0	250.0	300.0	400.0
-1.00000E+00	4.351E-11	4.946E-11	5.707E-11	6.024E-11	6.029E-11	5.838E-11	5.127E-11		
-9.89401E-01	4.477E-11	5.074E-11	5.825E-11	6.127E-11	6.114E-11	5.907E-11	5.172E-11		
-9.44575E-01	4.752E-11	5.371E-11	6.122E-11	6.396E-11	6.348E-11	6.106E-11	5.312E-11		
-8.65631E-01	4.924E-11	5.522E-11	6.239E-11	6.480E-11	6.452E-11	6.220E-11	5.422E-11		
-7.55044E-01	4.912E-11	5.560E-11	6.366E-11	6.670E-11	6.730E-11	6.479E-11	5.699E-11		
-6.17876E-01	5.037E-11	5.762E-11	6.656E-11	6.957E-11	6.933E-11	6.691E-11	5.848E-11		
-4.58017E-01	5.164E-11	5.863E-11	6.824E-11	7.253E-11	7.312E-11	7.085E-11	6.228E-11		
-2.81605E-01	5.752E-11	6.659E-11	7.659E-11	8.150E-11	8.139E-11	7.895E-11	6.938E-11		
-9.50125E-02	6.787E-11	7.759E-11	9.051E-11	9.588E-11	9.582E-11	9.262E-11	8.076E-11		
9.50125E-02	1.159E-10	9.045E-11	1.053E-10	1.196E-10	1.193E-10	1.108E-10	9.633E-11		
2.81605E-01	1.297E-10	1.291E-10	1.562E-10	1.376E-10	1.379E-10	1.154E-10	1.154E-10		
4.58017E-01	1.375E-10	1.300E-10	1.429E-10	1.760E-10	1.747E-10	1.638E-10	1.403E-10		
6.17876E-01	1.698E-10	1.916E-10	2.284E-10	2.190E-10	2.170E-10	2.106E-10	1.793E-10		
7.55044E-01	3.142E-10	2.768E-10	2.935E-10	3.243E-10	3.186E-10	3.007E-10	2.549E-10		
8.65631E-01	5.145E-10	5.488E-10	5.468E-10	5.456E-10	5.346E-10	5.056E-10	4.180E-10		
9.44575E-01	1.419E-09	1.376E-09	1.310E-09	1.335E-09	1.141E-09	1.037E-09	8.154E-10		
9.89401E-01	1.871E-08	1.633E-08	1.272E-08	9.954E-09	7.751E-09	6.050E-09	3.693E-09		
TOTAL	5.211E-09	4.831E-09	4.362E-09	3.934E-09	3.505E-09	3.196E-09	2.366E-09		

	CCSINE	500.0	600.0	900.0	RANGE (METERS)	1200.0	1500.0	1800.0
-1.00000E+00	4.257E-11	3.404E-11	1.507E-11	5.793E-12	2.031E-12	6.667E-13		
-9.89401E-01	4.487E-11	3.424E-11	1.513E-11	5.811E-12	2.037E-12	6.686E-13		
-9.44575E-01	4.363E-11	3.491E-11	1.535E-11	5.885E-12	2.061E-12	6.763E-13		
-8.65631E-01	4.481E-11	3.570E-11	1.570E-11	6.021E-12	2.107E-12	6.910E-13		
-7.55044E-01	4.652E-11	3.703E-11	1.625E-11	6.222E-12	2.175E-12	7.131E-13		
-6.17876E-01	4.840E-11	3.862E-11	1.700E-11	6.509E-12	2.275E-12	7.454E-13		
-4.58017E-01	5.170E-11	4.131E-11	1.817E-11	6.399E-12	2.148E-12	7.905E-13		
-2.81605E-01	5.747E-11	4.577E-11	1.993E-11	7.549E-12	2.617E-12	8.523E-13		
-9.50125E-02	6.634E-11	5.243E-11	2.241E-11	8.387E-12	2.884E-12	9.340E-13		
9.50125E-02	7.828E-11	6.131E-11	2.568E-11	9.484E-12	3.232E-12	1.041E-12		
2.81605E-01	9.338E-11	7.255E-11	2.992E-11	1.092E-11	3.594E-12	1.182E-12		
4.58017E-01	1.130E-10	8.765E-11	3.580E-11	1.295E-11	4.146E-12	1.383E-12		
6.17876E-01	1.442E-10	1.116E-10	4.508E-11	1.611E-11	5.348E-12	1.687E-12		
7.55044E-01	2.32E-10	1.559E-10	6.138E-11	2.144E-11	6.947E-12	2.172E-12		
8.65631E-01	3.263E-10	2.455E-10	9.182E-11	3.084E-11	9.754E-12	2.965E-12		
9.44575E-01	6.111E-10	4.37E-10	1.524E-10	4.807E-11	1.452E-11	4.264E-12		
9.89401E-01	2.270E-09	1.406E-09	3.479E-10	9.032E-11	2.414E-11	6.550E-12		
TOTAL	1.769E-09	1.302E-09	4.828E-10	1.661E-10	5.409E-11	1.689E-11		

⁴ PI R**2 CONCRETE KERMA (NEUTRONS)
(CM**2 ERGS/GRAM/STERADIANS/SOURCE NEUTRON)

				RANGE (METERS)						
				75.0	100.0	150.0	200.0	250.0	300.0	400.0
-1.00000E 00	1.136E-C9	1.334E-09	1.626E-09	1.793E-09	1.860E-09	1.865E-09	1.700E-09	1.678E-09	1.716E-09	1.716E-09
-9.89401E-01	1.180E-09	1.375E-C9	1.669E-09	1.890E-09	1.890E-09	1.890E-09	1.760E-09	1.952E-09	1.760E-09	1.813E-09
-9.44575E-01	1.439E-09	1.77E-09	1.929E-09	1.976E-09	1.976E-09	1.976E-09	2.000E-09	2.000E-09	1.956E-09	1.889E-09
-8.65631E-01	1.354E-09	1.565E-09	1.833E-09	1.972E-09	2.024E-09	2.024E-09	2.091E-09	2.122E-09	2.157E-09	2.069E-09
-7.55044E-01	1.361E-09	1.579E-09	1.885E-09	2.075E-09	2.131E-09	2.131E-09	2.188E-09	2.203E-09	2.285E-09	2.267E-09
-6.17876E-01	1.400E-09	1.624E-09	2.004E-09	2.203E-09	2.285E-09	2.285E-09	2.319E-09	2.351E-09	2.499E-09	2.280E-09
-4.58017E-01	1.416E-09	1.653E-09	2.235E-09	2.455E-09	2.517E-09	2.517E-09	2.593E-09	2.621E-09	2.900E-09	2.621E-09
-2.81605E-01	1.579E-C9	1.640E-09	2.177E-09	2.627E-09	2.93E-09	2.93E-09	2.99E-09	3.009E-09	3.092E-09	3.092E-09
-9.50125E-02	1.867E-09	2.177E-09	3.067E-C9	3.552E-09	3.620E-09	3.620E-09	3.442E-09	3.442E-09	3.664E-09	3.664E-09
9.50125E-02	2.193E-09	3.595E-09	4.429E-09	4.147E-09	4.180E-09	4.180E-09	4.170E-09	4.170E-09	4.395E-09	4.395E-09
2.81605E-01	3.847E-09	3.725E-09	4.244E-09	5.173E-09	5.222E-09	5.222E-09	5.988E-09	5.988E-09	5.513E-09	5.513E-09
4.58017E-01	4.789E-09	5.334E-09	6.466E-09	6.397E-09	6.434E-09	6.434E-09	6.319E-09	6.319E-09	7.612E-09	7.612E-09
6.17876E-01	9.211E-09	7.851E-09	8.496E-09	9.386E-09	9.386E-09	9.386E-09	8.693E-09	8.693E-09	1.483E-08	1.483E-08
7.55044E-01	1.516E-08	1.600E-08	1.576E-08	1.590E-08	1.563E-08	1.563E-08	1.507E-08	1.507E-08	2.393E-08	2.393E-08
8.65631E-01	4.346E-08	4.158E-08	3.902E-08	3.644E-08	3.358E-08	3.358E-08	3.047E-08	3.047E-08	1.877E-07	1.877E-07
9.44575E-01	6.003E-C7	5.219E-07	4.035E-07	3.134E-07	2.422E-07	2.422E-07	1.800E-07	1.800E-07	1.130E-07	1.130E-07
TOTAL	1.610E-07	1.482E-07	1.327E-07	1.195E-07	1.066E-07	1.066E-07	9.457E-08	9.457E-08	7.310E-08	7.310E-08
COSINE				RANGE (METERS)						
				500.C	600.0	900.C	1200.0	1500.0	1800.0	
-1.00000E 00	1.453E-09	1.185E-09	5.382E-10	2.074E-10	7.230E-11	2.357E-11				
-9.89401E-01	1.464E-09	1.193E-C9	5.405E-10	2.054E-10	7.254E-11	2.364E-11				
-9.44575E-01	1.500E-09	1.218E-09	5.492E-10	2.110E-10	7.551E-11	2.396E-11				
-8.65631E-01	1.539E-09	1.249E-09	5.528E-10	2.163E-10	7.534E-11	2.454E-11				
-7.55044E-01	1.600E-09	1.297E-09	5.833E-10	2.801E-10	7.801E-11	2.542E-11				
-6.17876E-01	1.662E-09	1.351E-09	6.104E-10	2.348E-10	8.183E-11	2.667E-11				
-4.58017E-01	1.765E-09	1.433E-09	6.107E-10	2.503E-10	8.713E-11	2.388E-11				
-2.81605E-01	1.941E-09	1.578E-09	7.099E-10	2.718E-10	9.438E-11	3.068E-11				
-9.50125E-02	2.214E-09	1.787E-09	7.924E-10	3.009E-10	1.039E-10	3.368E-11				
9.50125E-02	2.581E-09	2.065E-09	9.002E-10	3.386E-10	1.163E-10	3.754E-11				
2.81605E-01	3.037E-C9	2.414E-C9	1.038E-09	3.870E-10	1.322E-10	4.254E-11				
4.58017E-01	3.624E-C9	2.869E-09	1.222E-09	4.523E-10	1.557E-10	4.923E-11				
6.17876E-01	4.528E-C9	3.568E-09	1.498E-09	5.482E-10	1.855E-10	5.869E-11				
7.55044E-01	6.214E-09	4.834E-09	1.965E-09	7.011E-10	2.317E-10	7.273E-11				
8.65631E-01	9.730E-09	7.375E-09	2.814E-09	9.601E-10	3.047E-10	9.429E-11				
9.44575E-01	1.792E-08	1.301E-08	4.485E-09	1.423E-09	4.322E-10	1.280E-10				
9.89401E-01	6.856E-08	4.195E-08	1.009E-08	2.578E-09	6.888E-10	1.858E-10				
TOTAL	5.537E-08	4.125E-08	1.579E-08	5.542E-09	1.827E-09	5.746E-10				

⁴ PI R**2 AIR KERMA (NEUTRONS)
(CM**2 ERGS/GRAM/STERADIAN/SOURCE NEUTRON)

12.200 TO 15.000 MEV NEUTRON SOURCE

COSINE	75.0	100.0	150.0	RANGE (METERS)	200.0	250.0	300.0	400.0
-1.0000E+00	1.720E-09	1.977E-C9	2.326E-09	2.493E-09	2.524E-09	2.464E-09	2.189E-09	2.216E-09
-9.89401E-01	1.794E-09	2.053E-09	2.397E-09	2.554E-09	2.574E-09	2.505E-09	2.216E-09	2.296E-09
-9.44575E-01	1.963E-09	2.255E-09	2.578E-09	2.716E-09	2.713E-09	2.623E-09	2.358E-09	2.358E-09
-8.65631E-01	2.084E-09	2.361E-09	2.666E-09	2.781E-09	2.784E-09	2.693E-09	2.465E-09	2.465E-09
-7.55044E-01	2.094E-09	2.361E-C0	2.745E-09	2.945E-09	2.933E-09	2.828E-09	2.550E-09	2.550E-09
-6.17876E-01	2.154E-09	2.449E-09	2.882E-09	3.018E-09	3.014E-09	2.912E-09	2.701E-09	2.701E-09
-4.58017E-01	2.174E-09	2.488E-09	2.916E-09	3.115E-09	3.155E-09	3.064E-09	2.805E-09	2.805E-09
-2.81605E-01	2.437E-09	2.766E-C9	3.025E-09	3.502E-09	3.408E-09	3.408E-09	3.516E-09	3.516E-09
-9.50125E-02	2.907E-09	3.332E-C9	3.905E-09	4.151E-09	4.156E-09	4.024E-09	4.229E-09	4.229E-09
9.50125E-02	5.146E-09	4.022E-09	4.539E-09	5.285E-09	5.277E-09	4.856E-09	5.094E-09	5.094E-09
2.81605E-01	4.751E-09	5.665E-C9	6.867E-09	6.156E-09	6.074E-09	6.005E-09	6.209E-09	6.209E-09
4.58017E-01	6.131E-09	5.855E-09	6.471E-09	7.857E-09	7.788E-09	7.262E-09	7.951E-09	7.951E-09
6.17876E-01	7.751E-09	8.501E-09	1.013E-08	9.767E-09	9.659E-09	9.382E-09	1.141E-08	1.141E-08
7.55044E-01	1.505E-08	1.299E-C8	1.343E-08	1.707E-08	1.440E-C8	1.354E-08	1.909E-08	1.909E-08
8.65631E-01	2.492E-08	2.628E-08	2.551E-08	2.535E-08	2.476E-08	2.331E-08	3.822E-08	3.822E-08
9.44575E-01	7.225E-08	6.878E-08	6.417E-08	5.960E-08	5.461E-08	4.924E-08	1.869E-07	1.869E-07
9.89401E-01	1.003E-06	8.721E-07	6.735E-07	5.226E-07	4.033E-07	3.119E-07		
TOTAL	2.661E-07	2.434E-07	2.148E-07	1.906E-07	1.675E-07	1.462E-07	1.097E-07	1.097E-07

CCSINE	500.0	600.0	900.0	RANGE (METERS)	1200.0	1500.0	1800.0
-1.0000E+00	1.830E-09	1.449E-C9	6.522E-10	2.504E-10	8.758E-11	2.870E-11	
-9.89401E-01	1.847E-09	1.400E-C9	6.552E-10	2.513E-10	8.785E-11	2.878E-11	
-9.44575E-01	1.901E-09	1.516E-C9	6.663E-10	2.547E-10	8.894E-11	2.912E-11	
-8.65631E-01	1.952E-09	1.556E-C9	6.826E-10	2.608E-10	9.097E-11	2.976E-11	
-7.55044E-01	2.034E-09	1.638E-C9	7.072E-10	2.694E-10	9.392E-11	3.072E-11	
-6.17876E-01	2.111E-09	1.683E-C9	7.388E-10	2.818E-10	9.822E-11	3.210E-11	
-4.58017E-01	2.446E-09	1.755E-09	7.883E-10	3.004E-10	1.043E-10	3.403E-11	
-2.81605E-01	2.494E-09	1.987E-09	8.643E-10	3.264E-10	1.129E-10	3.669E-11	
-9.50125E-02	2.891E-09	2.234E-09	9.735E-10	3.630E-10	1.245E-10	4.022E-11	
9.50125E-02	3.432E-C9	2.684E-C9	1.118E-09	4.112E-10	1.397E-10	4.486E-11	
2.81605E-01	4.107E-09	3.188E-09	1.306E-09	4.742E-10	1.598E-10	5.102E-11	
4.58017E-01	4.983E-09	3.856E-C9	1.563E-09	5.624E-10	1.879E-10	5.962E-11	
6.17876E-01	6.372E-09	4.914E-C9	1.967E-09	6.982E-10	2.306E-10	7.246E-11	
7.55044E-01	9.049E-09	6.995E-09	2.680E-09	9.264E-10	2.995E-10	9.260E-11	
8.65631E-01	1.477E-08	1.101E-C8	4.027E-09	1.329E-09	4.151E-10	1.250E-10	
9.44575E-01	2.828E-08	2.099E-08	6.743E-09	2.072E-09	6.134E-10	1.776E-10	
9.89401E-01	1.127E-07	6.839E-C8	1.603E-08	3.963E-09	1.023E-09	2.706E-10	
TOTAL	8.079E-08	5.871E-C8	2.124E-08	7.195E-09	2.322E-09	7.208E-10	

4 PI R**2 IONIZING SILICON KERMA (NEUTRONS)
(CH**2 ERGS/GRAM/STERADIAN/SOURCE NEUTRON)

12.000 TO 15.000 MEV NEUTRON SOURCE

CCSINE	75.C	RANGE (METERS)			300.0	400.0
		100.0	150.0	200.0		
-1.00000E 00	5.683E-10	6.097E-10	6.385E-10	6.208E-10	5.768E-10	5.216E-10
-9.89401E-01	5.883E-10	6.300E-10	6.571E-10	6.365E-10	5.896E-10	5.319E-10
-9.44575E-01	6.294E-10	6.740E-10	7.005E-10	6.751E-10	6.223E-10	4.291E-10
-8.65631E-01	6.474E-10	6.922E-10	7.059E-10	6.745E-10	6.256E-10	4.364E-10
-7.55044E-C1	6.311E-10	6.774E-10	7.095E-10	7.055E-10	6.544E-10	4.564E-10
-6.17876E-01	6.384E-10	6.858E-10	7.390E-10	7.146E-10	6.651E-10	4.692E-10
-4.58017E-01	6.418E-10	6.946E-10	7.440E-10	7.378E-10	7.003E-10	5.044E-10
-2.81605E-01	7.306E-10	7.939E-10	8.599E-10	8.584E-10	8.048E-10	5.874E-10
-9.5C125E-02	8.882E-10	9.745E-10	1.063E-09	1.061E-09	1.003E-09	9.218E-10
9.50125E-02	1.683E-09	1.716E-09	1.314E-09	1.380E-09	1.309E-09	1.170E-09
2.81605E-01	1.519E-09	1.721E-C9	2.069E-09	1.685E-09	1.585E-09	1.481E-09
4.58017E-01	1.928E-09	1.660E-09	1.676E-09	2.146E-09	2.034E-09	1.834E-09
6.17876E-01	2.387E-09	2.766E-09	3.126E-09	2.732E-09	2.593E-09	1.925E-09
7.55044E-01	4.825E-09	3.859E-09	3.832E-09	4.252E-09	4.032E-09	3.690E-09
8.65631E-01	8.032E-09	8.260E-09	8.039E-09	7.676E-09	7.344E-09	5.946E-09
9.44575E-01	2.340E-C8	2.226E-C8	2.044E-08	1.885E-08	1.705E-08	1.544E-08
9.89401E-01	3.253E-07	2.827E-07	2.185E-07	1.694E-07	1.307E-07	6.022E-08
TOTAL	8.567E-08	7.747E-08	6.683E-08	5.765E-08	4.921E-08	2.945E-08
CCSINE	5C0.0	RANGE (METERS)			1500.0	1800.0
		6C.C	9C0.0	1200.0		
-1.00000E 00	3.0C9E-10	2.179E-10	7.581E-11	2.454E-11	7.614E-12	2.292E-12
-9.89401E-01	3.0C48E-10	2.203E-10	7.641E-11	2.470E-11	7.656E-12	2.304E-12
-9.44575E-01	3.165E-10	2.279E-10	7.846E-11	2.546E-11	7.813E-12	2.349E-12
-8.65631E-01	3.234E-10	2.336E-10	8.086E-11	2.614E-11	8.095E-12	2.432E-12
-7.55044E-01	3.383E-10	2.444E-10	8.472E-11	2.736E-11	8.479E-12	2.551E-12
-6.17876E-01	3.504E-10	2.548E-10	8.957E-11	2.915E-11	9.076E-12	2.734E-12
-4.58017E-01	3.802E-10	2.785E-10	9.886E-11	3.227E-11	1.002E-11	3.012E-11
-2.81605E-01	4.443E-10	3.225E-10	1.149E-10	3.715E-11	1.146E-11	3.426E-12
-9.5C125E-02	5.5C5E-10	4.000E-10	1.390E-10	4.429E-11	1.349E-11	3.996E-12
9.5C125E-02	6.933E-10	5.015E-10	1.707E-10	5.364E-11	1.616E-11	4.748E-12
2.81605E-01	8.641E-10	6.231E-10	2.104E-10	6.564E-11	1.969E-11	5.759E-12
4.58017E-01	1.082E-09	7.830E-10	2.600E-10	8.318E-11	2.493E-11	7.279E-12
6.17876E-01	1.449E-09	1.049E-09	3.619E-10	1.134E-10	3.393E-11	9.871E-12
7.55044E-01	2.223E-09	1.619E-09	5.531E-10	1.716E-10	5.076E-11	1.46CE-11
8.65631E-01	3.990E-09	2.813E-09	9.512E-10	2.868E-10	8.275E-11	2.332E-11
9.44575E-01	8.350E-09	5.884E-09	1.813E-09	5.187E-10	1.43E-10	3.913E-11
9.89401E-01	3.610E-08	2.175E-08	4.905E-09	1.154E-09	2.812E-10	7.026E-11
TOTAL	2.041E-08	1.396E-08	4.260E-09	1.248E-09	3.578E-10	1.012E-10

4 PI R**2 NUN IONIZING SILICON KERMA (NEUTRONS)
 (CM**2 ERGS/GRAM/STERADIAN/SOURCE NEUTRON)

12.200 TO 15.000 MEV NEUTRON SOURCE

COSINE	75.0	100.0	150.0	RANGE (METERS)	250.0	300.0	400.0
-1.0000E+00	1.021E-10	1.227E-10	1.540E-10	1.730E-10	1.819E-10	1.833E-10	1.707E-10
-9.89401E-01	1.042E-10	1.248E-10	1.560E-10	1.748E-10	1.846E-10	1.846E-10	1.717E-10
-9.44575E-01	1.089E-10	1.299E-10	1.645E-10	1.828E-10	1.905E-10	1.887E-10	1.748E-10
-8.65631E-01	1.123E-10	1.338E-10	1.685E-10	1.897E-10	1.95E-10	1.924E-10	1.786E-10
-7.55044E-01	1.134E-10	1.344E-10	1.696E-10	1.961E-10	1.986E-10	1.994E-10	1.849E-10
-6.17876E-01	1.169E-10	1.374E-10	1.758E-10	2.07E-10	2.07E-10	1.925E-10	1.696E-10
-4.58017E-01	1.206E-10	1.448E-10	1.822E-10	2.053E-10	2.168E-10	2.042E-10	1.866E-10
-2.81605E-01	1.326E-10	1.589E-10	2.000E-10	2.253E-10	2.366E-10	2.229E-10	2.086E-10
-9.50125E-02	1.521E-10	1.820E-10	2.279E-10	2.556E-10	2.695E-10	2.504E-10	2.404E-10
2.81605E-02	2.338E-10	2.012E-10	2.592E-10	3.030E-10	3.165E-10	3.102E-10	2.875E-10
2.8460E-10	2.235E-10	2.711E-10	3.477E-10	3.477E-10	3.666E-10	3.655E-10	3.337E-10
4.58017E-01	3.939E-10	3.501E-10	4.229E-10	4.386E-10	4.386E-10	4.312E-10	3.945E-10
6.17876E-01	3.946E-10	3.944E-10	4.894E-10	5.155E-10	5.329E-10	5.338E-10	4.843E-10
7.55044E-01	5.807E-10	5.687E-10	6.423E-10	7.153E-10	7.299E-10	7.144E-10	6.414E-10
8.65631E-01	9.268E-10	9.90E-10	1.061E-09	1.113E-09	1.124E-09	1.092E-09	9.502E-10
9.44575E-01	2.364E-09	2.367E-09	2.349E-09	2.278E-09	2.162E-09	1.653E-09	1.653E-09
9.89401E-01	2.9C5E-08	2.599E-08	2.008E-08	1.592E-08	1.257E-08	9.951E-09	6.268E-09
TOTAL	8.833E-09	8.498E-09	8.202E-09	7.850E-09	7.390E-09	6.843E-09	5.687E-09

COSINE	500.0	600.0	700.0	RANGE (METERS)	900.0	1200.0	1500.0	1800.0
-1.0000E+00	1.475E-10	1.211E-10	5.546E-11	2.140E-11	7.451E-12	2.424E-12	2.432E-12	2.432E-12
-9.89401E-01	1.481E-10	1.234E-10	5.565E-11	2.146E-11	7.451E-12	2.424E-12	2.465E-12	2.465E-12
-9.44575E-01	1.506E-10	1.234E-10	5.642E-11	2.175E-11	7.575E-12	2.527E-12	2.527E-12	2.527E-12
-8.65631E-01	1.540E-10	1.263E-10	5.778E-11	2.230E-11	7.766E-12	2.622E-12	2.622E-12	2.622E-12
-7.55044E-01	1.594E-10	1.308E-10	5.987E-11	2.311E-11	8.046E-12	2.757E-12	2.757E-12	2.757E-12
-6.17876E-01	1.663E-10	1.367E-10	6.296E-11	4.427E-11	8.445E-12	2.757E-12	2.757E-12	2.757E-12
-4.58017E-01	1.768E-10	1.455E-10	6.695E-11	5.589E-11	9.028E-12	2.940E-12	2.940E-12	2.940E-12
-2.81605E-01	1.929E-10	1.586E-10	7.276E-11	2.808E-11	9.702E-12	3.183E-12	3.183E-12	3.183E-12
-9.50125E-02	2.158E-10	1.768E-10	8.056E-11	3.098E-11	1.076E-11	3.497E-12	3.497E-12	3.497E-12
9.50125E-02	2.461E-10	2.008E-10	9.069E-11	3.471E-11	1.203E-11	3.901E-12	3.901E-12	3.901E-12
2.81605E-01	2.847E-10	2.313E-10	1.037E-10	3.952E-11	1.366E-11	4.421E-12	4.421E-12	4.421E-12
4.58017E-01	3.353E-09	2.771E-10	1.211E-10	4.594E-11	1.582E-11	5.109E-12	6.055E-12	6.055E-12
6.17876E-01	4.1C1E-10	3.311E-10	1.461E-10	5.501E-11	1.833E-11	1.833E-11	7.398E-12	7.398E-12
7.55044E-01	5.369E-10	4.293E-10	1.851E-10	6.856E-11	2.321E-11	2.321E-11	9.356E-12	9.356E-12
8.65631E-01	7.762E-10	6.1C8E-10	2.502E-10	8.986E-11	2.979E-11	2.979E-11	1.225E-11	1.225E-11
9.44575E-01	1.289E-09	9.718E-10	3.679E-10	1.251E-10	4.000E-11	4.000E-11	1.683E-11	1.683E-11
9.89401E-01	3.987E-09	2.559E-09	7.063E-10	2.022E-10	5.845E-11	5.845E-11		
TOTAL	4.554E-09	3.543E-09	1.475E-09	5.411E-10	1.829E-10	5.836E-11		

$^4\text{PI R}^{**2}\text{ HENDERSON DOSE (GAMMAS)}$
 $(\text{CM}^{**2}\text{ RAD/SITERADIAN/SOURCE NEUTRON})$

12,200 TO 15,000 MEV NEUTRON SOURCE

COSINE	75.0	100.0	RANGE (METERS)			
			150.0	200.0	250.0	300.0
-1.00000E 00	1.841E-11	2.039E-11	2.230E-11	2.123E-11	1.958E-11	1.567E-11
-9.89401E-01	1.855E-11	2.056E-11	2.254E-11	2.262E-11	2.157E-11	1.606E-11
-9.44575E-01	1.905E-11	2.121E-11	2.343E-11	2.370E-11	2.125E-11	1.744E-11
-8.65631E-01	1.997E-11	2.255E-11	2.495E-11	2.549E-11	2.475E-11	1.949E-11
-7.55044E-01	2.122E-11	2.385E-11	2.682E-11	2.758E-11	2.692E-11	2.146E-11
-6.17876E-01	2.283E-11	2.572E-11	2.901E-11	2.987E-11	2.916E-11	2.756E-11
-4.58017E-01	2.490E-11	2.809E-11	3.173E-11	3.264E-11	3.180E-11	2.996E-11
-2.81605E-01	2.769E-11	3.129E-11	3.541E-11	3.646E-11	3.550E-11	3.342E-11
-9.50125E-02	3.151E-11	3.572E-11	4.065E-11	4.202E-11	4.107E-11	2.774E-11
9.50125E-02	3.628E-11	5.638E-11	5.609E-11	4.603E-11	3.879E-11	3.238E-11
2.81605E-01	5.923E-11	4.876E-11	5.206E-11	6.520E-11	6.484E-11	4.766E-11
4.58017E-01	5.344E-11	6.875E-11	7.854E-11	7.476E-11	7.453E-11	6.467E-11
6.17876E-01	6.627E-11	8.501E-11	9.335E-11	1.070E-10	1.010E-10	8.877E-11
7.55044E-01	9.8C1E-11	1.116E-10	1.429E-10	1.462E-10	1.489E-10	1.49CE-10
8.65631E-01	1.523E-10	1.718E-10	2.174E-10	2.398E-10	2.662E-10	2.235E-10
9.44575E-01	2.529E-10	3.221E-10	3.906E-10	4.437E-10	4.669E-10	4.472E-10
9.89401E-01	6.584E-10	8.166E-10	1.076E-09	1.231E-09	1.322E-09	1.328E-09
TOTAL	7.657E-10	9.077E-10	1.075E-09	1.156E-09	1.180E-09	1.165E-09
CCSINE	500.0	600.0	900.0	1200.0	1500.0	1800.0
-1.00000E 00	1.193E-11	8.799E-12	3.186E-12	1.060E-12	3.344E-13	1.004E-13
-9.89401E-01	1.232E-11	9.187E-12	3.467E-12	1.232E-12	4.261E-13	1.473E-13
-9.44575E-01	1.366E-11	1.040E-11	4.611E-12	4.688E-12	2.919E-13	4.049E-13
-8.65631E-01	1.556E-11	1.209E-11	5.326E-12	2.232E-12	9.505E-13	5.211E-13
-7.55044E-01	1.725E-11	1.352E-11	6.024E-12	2.610E-12	1.151E-12	4.495E-13
-6.17876E-01	1.852E-11	1.451E-11	6.227E-12	5.512E-12	9.336E-13	3.730E-13
-4.58017E-01	1.976E-11	1.514E-11	6.246E-12	2.400E-12	1.039E-12	4.164E-13
-2.81605E-01	2.184E-11	1.663E-11	6.711E-12	2.616E-12	1.327E-12	5.676E-13
-9.50125E-02	2.562E-11	1.965E-11	8.123E-12	3.264E-12	1.327E-12	8.187E-13
9.50125E-02	3.166E-11	2.455E-11	1.056E-11	4.430E-12	1.889E-12	5.866E-12
2.81605E-01	4.024E-11	3.147E-11	1.380E-11	5.866E-12	2.522E-12	1.107E-12
4.58017E-01	5.261E-11	4.128E-11	1.802E-11	7.469E-12	3.095E-12	1.284E-12
6.17876E-01	7.275E-11	5.746E-11	2.516E-11	1.024E-11	4.097E-12	1.647E-12
7.55044E-01	1.110E-10	8.935E-11	4.111E-11	1.745E-11	7.252E-12	3.044E-12
8.65631E-01	1.929E-10	1.602E-10	8.079E-11	3.746E-11	1.695E-11	7.656E-12
9.44575E-01	3.984E-10	3.415E-10	1.892E-10	9.546E-11	4.629E-11	2.211E-11
9.89401E-01	1.217E-09	1.071E-09	6.410E-10	3.465E-10	1.782E-10	8.911E-11
TOTAL	8.980E-10	7.4C8E-10	3.751E-10	1.782E-10	8.317E-11	3.873E-11

⁴P1 R**2 CONCRETE KERMA (GAMMAS)
(CM**2 ERGS/GRAM/STERDIAN/SOURCE NEUTRON)

12.200 TO 15.000 MEV NEUTRON SOURCE

COSINE	75.0	100.0	150.0	200.0	250.0	300.0	400.0
-1.0000E+00	1.883E-09	2.114E-09	2.377E-09	2.447E-09	2.393E-09	2.267E-09	1.911E-09
-9.89401E-01	1.896E-09	2.131E-09	2.01E-09	2.477E-09	2.427E-09	2.304E-09	1.950E-09
-9.44575E-01	1.946E-09	2.195E-09	2.489E-09	2.585E-09	2.745E-09	2.435E-09	2.088E-09
-8.6531E-01	2.307E-09	2.640E-09	2.640E-09	2.764E-09	2.764E-09	2.641E-09	2.295E-09
-7.55044E-01	2.162E-09	2.458E-09	2.828E-09	2.973E-09	2.964E-09	2.860E-09	2.496E-09
-6.17876E-01	2.321E-09	2.643E-09	3.047E-09	3.205E-09	3.193E-09	3.075E-09	2.672E-09
-4.58017E-01	2.528E-09	2.880CE-09	3.320E-09	3.461E-09	3.461E-09	3.323E-09	2.863E-09
-2.81605E-01	2.804E-09	3.198E-09	3.689E-09	3.869E-09	3.838E-09	3.677E-09	3.152E-09
-9.50125E-02	3.184E-09	3.659E-09	4.212E-09	4.427E-09	4.399E-09	4.221E-09	3.622E-09
9.50125E-02	3.655E-09	5.671E-09	5.671E-09	4.831E-09	4.798E-09	5.112E-09	4.345E-09
2.81605E-01	5.944E-09	4.946E-09	5.341E-09	6.740E-09	6.777E-09	6.107E-09	5.389E-09
4.58017E-01	5.361E-09	6.930E-09	7.594E-09	7.692E-09	7.743E-09	7.920E-09	6.873E-09
6.17876E-01	6.635E-09	8.517E-09	9.426E-09	1.089E-08	1.105E-08	1.043E-08	9.265E-09
7.55044E-01	9.759E-09	1.117E-08	1.478E-08	1.478E-08	1.512E-08	1.519E-08	1.361E-08
8.6531E-01	1.516E-08	1.711E-08	2.172E-08	2.405E-08	2.476E-08	2.444E-08	2.259E-08
9.44575E-01	2.515E-08	3.203E-08	3.891E-08	4.427E-08	4.664E-08	4.727E-08	4.479E-08
9.89401E-01	6.542E-C8	8.120E-C8	1.071E-07	1.227E-07	1.318E-07	1.356E-07	1.328E-07
TOTAL	7.668E-08	9.123E-08	1.089E-07	1.179E-07	1.212E-07	1.203E-07	1.097E-07

CCSINE	500.0	600.0	900.0	1200.0	1500.0	1800.0
-1.0000E+00	1.527E-C9	1.175E-C9	4.875E-10	1.882E-10	7.163E-11	2.761E-11
-9.89401E-01	1.566E-C9	1.217E-09	5.154E-10	2.053E-10	8.074E-11	3.226E-11
-9.44575E-01	1.700E-09	1.339E-09	5.901E-10	2.506E-10	1.044E-10	4.667E-11
-8.6531E-01	1.892E-09	1.51CE-09	7.022E-10	3.057E-10	1.333E-10	5.805E-11
-7.55044E-01	2.065E-09	1.657E-09	7.748E-10	3.446E-10	1.537E-10	6.987E-11
-6.17876E-01	2.201E-09	1.754E-09	7.998E-10	3.754E-10	1.659E-10	7.328E-11
-4.58017E-01	2.335E-09	1.837E-09	8.078E-10	3.296E-10	1.345E-10	5.618E-11
-2.81605E-01	2.555E-09	1.997E-09	8.055E-10	3.532E-10	1.461E-10	6.096E-11
-9.50125E-02	2.944E-C9	2.31CE-09	1.007E-09	4.204E-10	1.759E-10	7.647E-11
9.50125E-02	3.556E-C9	2.809E-09	1.256E-09	5.389E-10	2.329E-10	1.018E-10
2.81605E-01	4.424E-09	3.5C9E-09	1.585E-09	6.837E-10	2.968E-10	1.31CE-10
4.58017E-01	5.665E-09	4.495E-C9	2.009E-09	8.456E-10	3.545E-10	1.488E-10
6.17876E-01	6.106E-09	2.718E-09	1.120E-09	4.529E-10	1.841E-10	1.018E-10
7.55044E-01	1.146E-C8	9.261E-09	4.290E-09	1.826E-09	7.603E-10	3.194E-10
8.6531E-01	1.955E-C8	1.626E-08	8.197E-09	3.79CE-09	1.709E-09	7.695E-10
9.44575E-01	3.992E-08	3.423E-08	1.893E-08	9.525E-09	4.611E-09	2.199E-09
9.89401E-01	1.217E-07	1.072E-07	6.429E-08	3.480E-08	1.792E-08	8.975E-09
TOTAL	9.425E-08	7.611E-08	3.978E-08	1.890E-08	8.811E-09	4.C97E-09

(CM**2 ERGS/GRAM/STERADIANT/SOURCE NEUTRON)
 12.200 TO 15.000 MEV NEUTRON SOURCE

COSINE	75.0	100.0	150.0	200.0	250.0	300.0	400.0
-1.00000E 00	2.259E-09	2.748E-09	3.539E-09	4.073E-09	4.373E-09	4.484E-09	4.293E-09
-9.89401E-01	2.270E-09	2.764E-09	3.562E-09	4.102E-09	4.521E-09	4.333E-09	4.521E-09
-9.44575E-01	2.310E-09	2.827E-09	3.651E-09	4.212E-09	4.534E-09	4.658E-09	4.474E-09
-8.65631E-01	2.408E-09	2.938E-09	3.805E-09	4.398E-09	4.742E-09	4.880E-09	4.705E-09
-7.55044E-01	2.529E-09	3.087E-09	4.000E-09	4.622E-09	4.985E-09	5.129E-09	4.944E-09
-6.17876E-01	2.683E-09	3.274E-09	4.232E-09	4.894E-09	5.253E-09	5.395E-09	5.181E-09
-4.58017E-01	2.881E-09	3.513E-09	4.524E-09	5.201E-09	5.577E-09	5.710E-09	5.454E-09
-2.81605E-01	3.151E-09	3.832E-09	4.915E-09	5.631E-09	6.19E-09	6.146E-09	5.843E-09
-9.50125E-02	3.521E-09	4.271E-09	5.460E-09	6.238E-09	6.655E-09	6.783E-09	6.430E-09
9.50125E-02	3.984E-09	6.177E-09	6.948E-09	6.725E-09	7.167E-09	7.768E-09	7.273E-09
2.81605E-01	6.1CE-09	5.568E-09	6.679E-09	8.615E-09	9.156E-09	8.681E-09	8.450E-09
4.58017E-01	5.611E-09	7.433E-09	9.209E-09	9.651E-09	1.025E-08	1.078E-08	1.007E-08
6.17876E-01	6.819E-09	9.981E-09	1.069E-08	1.270E-08	1.435E-08	1.336E-08	1.257E-08
7.55044E-01	9.762E-09	1.148E-08	1.536E-08	1.656E-08	1.755E-08	1.805E-08	1.690E-08
8.65631E-01	1.477E-08	1.706E-08	2.232E-08	2.539E-08	2.672E-08	2.690E-08	2.552E-08
9.44575E-01	2.400E-08	3.087E-08	3.830E-08	4.421E-08	4.714E-08	4.822E-08	4.623E-08
9.89401E-01	6.105E-08	7.608E-08	1.01CE-07	1.163E-07	1.253E-07	1.293E-07	1.268E-07
TOTAL	7.853E-08	9.638E-08	1.217E-07	1.388E-07	1.472E-07	1.504E-07	1.433E-07

CCSINE	500.0	600.0	900.0	1200.0	1500.0	1800.0
-1.00000E 00	3.791E-09	3.181E-09	1.601E-09	7.284E-10	3.134E-10	1.432E-10
-9.89401E-01	3.894E-09	3.228E-09	1.628E-09	7.451E-10	3.222E-10	1.483E-10
-9.44575E-01	3.973E-09	3.348E-09	1.706E-09	7.909E-10	3.576E-10	1.623E-10
-8.65631E-01	4.184E-09	3.536E-09	1.826E-09	8.494E-10	3.858E-10	1.744E-10
-7.55044E-01	4.396E-09	3.719E-09	1.919E-09	9.976E-10	4.102E-10	1.877E-10
-6.17876E-01	4.593E-09	3.873E-09	1.977E-09	9.153E-10	4.107E-10	1.852E-10
-4.58017E-01	4.811E-09	4.033E-09	2.031E-09	9.225E-10	4.101E-10	1.831E-10
-2.81605E-01	5.132E-09	4.285E-09	2.136E-09	9.707E-10	4.326E-10	1.927E-10
-9.50125E-02	5.635E-09	4.700E-09	2.339E-09	1.064E-09	4.735E-10	2.128E-10
9.50125E-02	6.372E-09	5.312E-09	2.649E-09	1.209E-09	5.455E-10	2.429E-10
2.81605E-01	7.376E-09	6.137E-09	3.045E-09	1.384E-09	6.186E-10	2.776E-10
4.58017E-01	8.760E-09	7.255E-09	3.546E-09	1.583E-09	6.532E-10	3.034E-10
6.17876E-01	1.089E-08	8.983E-09	4.326E-09	1.893E-09	8.094E-10	3.473E-10
7.55044E-01	1.469E-08	1.216E-08	5.916E-09	2.609E-09	1.122E-09	4.853E-10
8.65631E-01	2.247E-08	1.889E-08	9.660E-09	4.485E-09	2.026E-09	9.137E-10
9.44575E-01	4.149E-08	3.564E-08	1.963E-08	9.796E-09	4.708E-09	2.232E-09
9.89401E-01	1.162E-07	1.022E-07	6.082E-08	3.267E-08	1.672E-08	8.332E-09
TOTAL	1.268E-07	1.570E-07	5.574E-08	2.649E-08	1.227E-08	5.661E-09

4 PI R**2 SILICON KERMA (GAMMAS)
(CM**2 ERGS/GRAM/SITER:CIAN/SOURCE NEUTRON)

12.200 TO 15.000 MEV NEUTRON SOURCE

	COSINE	75.0	100.0	150.0	RANGE (METERS)	200.0	250.0	300.0	400.0
-1.00000E+00	1.940E-09	2.186E-09	2.482E-09	2.581E-09	2.551E-09	2.441E-09	2.096E-09	2.478E-09	2.136E-09
-9.89401E-01	1.953E-09	2.204E-09	2.506E-09	2.611E-09	2.585E-09	2.710E-09	2.613E-09	2.136E-09	2.278E-09
-9.44575E-01	2.004E-09	2.269E-09	2.596E-09	2.722E-09	2.705E-09	2.710E-09	2.613E-09	2.278E-09	2.278E-09
-8.65631E-01	2.098E-09	2.385E-09	2.751E-09	2.905E-09	2.911E-09	2.823E-09	2.823E-09	2.489E-09	2.489E-09
-7.55044E-01	2.225E-09	2.538E-09	2.942E-09	3.119E-09	3.134E-09	3.046E-09	3.046E-09	2.694E-09	2.694E-09
-6.17876E-01	2.388E-09	2.727E-09	3.166E-09	3.355E-09	3.366E-09	3.265E-09	3.265E-09	2.873E-09	2.873E-09
-4.58017E-01	2.599E-09	2.969E-09	3.444E-09	3.639E-09	3.639E-09	3.516E-09	3.516E-09	3.066E-09	3.066E-09
-2.81605E-01	2.881E-09	3.293E-09	3.820E-09	4.022E-09	4.022E-09	3.875E-09	3.875E-09	3.358E-09	3.358E-09
-9.50125E-02	3.269E-09	3.743E-09	4.352E-09	4.598E-09	4.592E-09	4.428E-09	4.428E-09	3.839E-09	3.839E-09
9.50125E-02	3.749E-09	5.824E-09	5.925E-09	5.006E-09	4.994E-09	5.344E-09	4.568E-09	4.568E-09	4.568E-09
2.81605E-01	6.097E-09	5.497E-09	6.056E-09	6.506E-09	6.506E-09	6.345E-09	6.345E-09	5.628E-09	5.628E-09
4.58017E-01	5.499E-09	7.110E-09	8.216E-09	7.920E-09	7.920E-09	8.19CE-09	8.19CE-09	7.134E-09	7.134E-09
6.17876E-01	6.793E-09	8.721E-09	9.662E-09	1.119E-08	1.119E-08	1.136E-08	1.136E-08	9.565E-09	9.565E-09
7.55044E-01	9.981E-09	1.145E-08	1.473E-08	1.515E-08	1.515E-08	1.559E-08	1.559E-08	1.398E-08	1.398E-08
8.65631E-01	1.551E-08	1.751E-08	2.223E-08	2.462E-08	2.462E-08	2.504E-08	2.504E-08	2.315E-08	2.315E-08
9.44575E-01	2.575E-08	3.279E-08	3.984E-08	4.533E-08	4.533E-08	4.776E-08	4.776E-08	4.588E-08	4.588E-08
9.89401E-01	6.704E-08	8.322E-08	1.097E-07	1.258E-07	1.258E-07	1.392E-07	1.392E-07	1.363E-07	1.363E-07
TOTAL	7.861E-08	9.360E-08	1.119E-07	1.214E-07	1.250E-07	1.243E-07	1.243E-07	1.137E-07	1.137E-07

	COSINE	500.0	600.0	RANGE (METERS)	900.0	1200.0	1500.0	1600.0
-1.00000E+00	1.702E-09	1.333E-09	5.705E-10	2.265E-10	8.866E-11	3.513E-11	3.513E-11	3.513E-11
-9.89401E-01	1.742E-09	1.373E-09	5.991E-10	2.441E-10	9.801E-11	3.992E-11	3.992E-11	3.992E-11
-9.44575E-01	1.880E-09	1.497E-09	6.759E-10	2.907E-10	1.245E-10	5.475E-11	5.475E-11	5.475E-11
-8.65631E-01	2.076E-09	1.672E-09	7.907E-10	3.473E-10	1.521E-10	6.646E-11	6.646E-11	6.646E-11
-7.55044E-01	2.253E-09	1.823E-09	8.648E-10	3.869E-10	1.729E-10	7.854E-11	7.854E-11	7.854E-11
-6.17876E-01	2.396E-09	1.921E-09	8.896E-10	3.874E-10	1.648E-10	7.168E-11	7.168E-11	7.168E-11
-4.58017E-01	2.527E-09	2.003E-09	9.894E-10	3.704E-10	1.642E-10	6.422E-11	6.422E-11	6.422E-11
-2.81605E-01	2.746E-09	2.164E-09	9.486E-10	3.937E-10	1.641E-10	6.890E-11	6.890E-11	6.890E-11
-9.50125E-02	3.14E-09	2.480E-09	1.097E-09	4.614E-10	1.941E-10	8.461E-11	8.461E-11	8.461E-11
9.50125E-02	3.761E-09	2.986E-09	1.348E-09	5.815E-10	2.519E-10	1.10E-10	1.10E-10	1.10E-10
2.81605E-01	4.641E-09	3.695E-09	1.681E-09	7.277E-10	3.164E-10	1.397E-10	1.397E-10	1.397E-10
4.58017E-01	5.899E-09	4.693E-09	2.109E-09	8.899E-10	3.738E-10	1.572E-10	1.572E-10	1.572E-10
6.17876E-01	7.934E-09	6.325E-09	2.824E-09	1.165E-09	4.715E-10	1.918E-10	1.918E-10	1.918E-10
7.55044E-01	1.19E-08	9.532E-09	4.418E-09	1.879E-09	7.817E-10	3.200E-10	7.846E-10	7.846E-10
8.65631E-01	2.005E-08	1.667E-08	8.401E-09	3.881E-09	1.748E-09	4.723E-09	2.252E-09	2.252E-09
9.44575E-01	4.690E-08	3.507E-08	1.940E-08	9.758E-09	4.723E-09	1.846E-08	9.251E-09	9.251E-09
9.89401E-01	1.250E-07	1.102E-07	6.611E-08	3.582E-08	1.846E-08	4.270E-09	4.270E-09	4.270E-09
TOTAL	9.792E-08	8.128E-08	4.148E-08	1.971E-08	9.186E-09	4.270E-09	4.270E-09	4.270E-09

4 PI R**2 FLUENCE AT 75.0 METERS

10.00 TO 12.20 MEV NEUTRON SOURCE

(NEUTRONS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=-1.0000	ANGLE 2 MU=-0.9894	ANGLE 3 MU=-0.9446	ANGLE 4 MU=-0.8656	ANGLE 5 MU=-0.7550	ANGLE 6 MU=-0.6179	ANGLE 7 MU=-0.4580	ANGLE 8 MU=-0.2816	ANGLE 9 MU=-0.0950
1.22E 01----1.50E 01	0.0 -7.566E-04	-6.179E-04	-2.740E-04	3.698E-05	1.176E-04	1.749E-04	1.187E-05	1.296E-05	1.202E-04
1.00E 01----1.22E 01	1.896E-03	1.857E-03	1.727E-03	1.565E-03	1.499E-03	1.630E-03	1.999E-03	2.582E-03	3.316E-03
8.19E 00----1.00E 01	2.449E-03	2.449E-03	2.354E-03	2.200E-03	2.066E-03	1.906E-03	1.906E-03	1.926E-03	1.926E-03
6.36E 00----8.19E 00	1.060E-03	1.063E-03	1.101E-03	1.145E-03	1.211E-03	1.303E-03	1.426E-03	1.585E-03	1.585E-03
4.97E 00----6.36E 00	1.381E-03	1.386E-03	1.405E-03	1.445E-03	1.504E-03	1.587E-03	1.666E-03	1.841E-03	2.030E-03
4.07E 00----4.97E 00	1.740E-03	1.744E-03	1.764E-03	1.804E-03	1.866E-03	1.955E-03	2.076E-03	2.240E-03	2.461E-03
3.01E 00----4.07E 00	2.870E-03	2.876E-03	2.901E-03	2.950E-03	3.028E-03	3.140E-03	3.297E-03	3.514E-03	3.809E-03
2.46E 00----3.01E 00	3.735E-03	3.741E-03	3.765E-03	3.810E-03	3.899E-03	4.028E-03	4.225E-03	4.481E-03	4.850E-03
2.35E 00----2.46E 00	3.051E-03	3.059E-03	3.090E-03	3.154E-03	3.254E-03	3.396E-03	3.591E-03	3.852E-03	4.193E-03
1.83E 00----2.35E 00	3.297E-03	3.341E-03	3.410E-03	3.440E-03	3.661E-03	3.844E-03	4.104E-03	4.426E-03	4.826E-03
1.11E 00----1.83E 00	4.610E-03	4.619E-03	4.656E-03	4.722E-03	4.835E-03	4.984E-03	5.178E-03	5.427E-03	5.763E-03
5.50E-01----1.11E 00	5.927E-03	5.935E-03	5.968E-03	6.031E-03	6.124E-03	6.248E-03	6.404E-03	6.595E-03	6.826E-03
1.11E-01----5.50E-01	2.998E-02	3.000E-02	3.007E-02	3.022E-02	3.040E-02	3.097E-02	3.139E-02	3.175E-02	3.175E-02
3.35E-02----1.11E-01	2.368E-02	2.369E-02	2.373E-02	2.379E-02	2.389E-02	2.401E-02	2.416E-02	2.433E-02	2.451E-02
5.83E-04----3.35E-02	1.338E-00	1.338E-00	1.340E-00	1.343E-00	1.347E-00	1.352E-00	1.359E-00	1.366E-00	1.374E-00
1.-01E-04----5.83E-04	5.573E-00	5.574E-00	5.580E-00	5.591E-00	5.606E-00	5.625E-00	5.647E-00	5.672E-00	5.698E-00
2.90E-05----1.01E-04	1.586E-01	1.588E-01	1.590E-01	1.594E-01	1.599E-01	1.605E-01	1.611E-01	1.618E-01	1.625E-01
1.-07E-05----2.90E-05	4.136E-01	4.137E-01	4.140E-01	4.147E-01	4.156E-01	4.157E-01	4.161E-01	4.166E-01	4.212E-01
3.06E-06----1.07E-05	1.087E-02	1.087E-02	1.088E-02	1.089E-02	1.091E-02	1.094E-02	1.098E-02	1.101E-02	1.105E-02
1.12E-06----3.06E-06	2.339E-02	2.339E-02	2.341E-02	2.344E-02	2.348E-02	2.354E-02	2.368E-02	2.376E-02	2.382E-02
4.14E-07----1.12E-06	3.339E-02	3.339E-02	3.340E-02	3.343E-02	3.348E-02	3.352E-02	3.359E-02	3.379E-02	3.388E-02
0.0 ----4.14E-07									
ENERGY GROUP (MEV)	ANGLE 10 MU= 0.0950	ANGLE 11 MU= 0.2816	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9894	SCALAR FLUX
1.22E 01----1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01----1.22E 01	7.459E-04	8.817E-04	1.683E-03	6.798E-03	2.680E-02	1.326E-01	1.324E-00	1.324E-00	1.324E-01
8.19E 00----1.00E 01	5.869E-03	7.647E-03	6.851E-03	9.044E-03	1.489E-02	2.376E-02	3.591E-02	7.376E-02	7.376E-02
6.36E 00----8.19E 00	2.138E-03	2.202E-03	4.051E-03	2.866E-03	3.507E-03	5.984E-03	9.779E-03	1.324E-02	3.688E-02
4.97E 00----6.36E 00	2.674E-03	2.183E-03	2.510E-03	2.748E-03	3.574E-03	5.371E-03	7.781E-03	1.068E-02	3.002E-02
4.-07E 00----4.97E 00	3.476E-03	2.176E-03	3.452E-03	4.162E-03	4.435E-03	4.716E-03	9.881E-03	1.823E-02	3.823E-02
3.01E 00----4.07E 00	4.226E-03	3.360E-03	3.850E-03	4.162E-03	5.384E-03	8.130E-03	1.184E-02	1.646E-02	4.648E-02
2.-46E 00----3.01E 00	5.942E-03	4.773E-03	6.135E-03	7.182E-03	7.782E-03	1.128E-02	1.588E-02	2.135E-02	6.800E-02
2.32E 00----2.46E 00	5.536E-03	6.531E-03	7.229E-03	7.813E-03	9.758E-03	1.382E-02	1.911E-02	2.535E-02	8.343E-02
1.-83E 00----2.32E 00	4.798E-03	6.554E-03	6.239E-03	6.623E-03	8.201E-03	1.144E-02	1.577E-02	2.063E-02	7.059E-02
1.11E 00----1.83E 00	4.973E-03	5.731E-03	6.244E-03	6.633E-03	7.905E-03	1.052E-02	1.386E-02	1.759E-02	7.045E-02
5.50E-01----1.11E 00	6.245E-03	6.918E-03	7.407E-03	7.819E-03	8.927E-03	1.104E-02	1.361E-02	1.635E-02	8.477E-02
1.11E-01----5.0E-01	7.152E-03	7.558E-03	8.133E-03	8.666E-03	8.699E-03	1.168E-02	1.070E-02	1.168E-02	9.207E-02
3.15E-02----1.11E-01	3.245E-02	3.393E-02	3.408E-02	3.183E-02	3.272E-02	3.719E-02	3.562E-02	3.345E-02	4.054E-01
5.63E-04----3.35E-02	2.471E-02	2.491E-02	2.510E-02	2.528E-02	2.546E-02	2.563E-02	2.571E-02	2.580E-02	3.098E-01
1.-01E-04----5.83E-04	1.382E-00	1.393E-00	1.411E-00	1.416E-00	1.422E-00	1.422E-00	1.422E-00	1.422E-00	1.422E-00
2.-0-05----1.01E-04	5.726E-00	5.754E-00	5.780E-00	5.825E-00	5.843E-00	5.861E-00	5.861E-00	5.861E-00	5.861E-00
1.-07E-05----2.90E-05	1.625E-01	1.639E-01	1.645E-01	1.650E-01	1.655E-01	1.659E-01	1.659E-01	1.659E-01	2.038E-01
1.-24E-06----1.07E-05	4.228E-01	4.245E-01	4.260E-01	4.274E-01	4.287E-01	4.297E-01	4.304E-01	4.304E-01	5.304E-02
1.-12E-07----3.06E-06	1.109E-02	1.113E-02	1.117E-02	1.120E-02	1.123E-02	1.126E-02	1.127E-02	1.128E-02	1.391E-03
4.14E-07----1.12E-06	2.384E-02	2.392E-02	2.399E-02	2.412E-02	2.417E-02	2.422E-02	2.422E-02	2.422E-02	2.991E-03
4.-14E-07----1.12E-07	3.398E-02	3.408E-02	3.417E-02	3.426E-02	3.434E-02	3.439E-02	3.444E-02	3.444E-02	4.264E-03

4 PI R**2 FLUENCE AT 150.0 METERS

10.00 TO 12.20 MEV NEUTRON SOURCE

(NEUTRONS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=-1.0000	ANGLE 2 MU=0.9894	ANGLE 3 MU=-0.9446	ANGLE 4 MU=-0.8656	ANGLE 5 MU=-0.7550	ANGLE 6 MU=-0.6179	ANGLE 7 MU=-0.4580	ANGLE 8 MU=-0.2816	ANGLE 9 MU=-0.0950
1.22E 01---1.50E 01	-8.683E-04	-7.084E-04	-2.753E-04	1.004E-06	2.083E-04	2.310E-04	-4.459E-05	-5.684E-05	1.046E-06
1.00E 01---1.22E 01	1.939E-03	1.890E-03	1.724E-03	1.520E-03	1.449E-03	1.634E-03	2.123E-03	2.881E-03	3.815E-03
8.19E 00---1.00E 01	2.904E-03	2.871E-03	2.751E-03	2.563E-03	2.380E-03	2.260E-03	2.239E-03	2.532E-03	2.532E-03
6.36E 00---8.19E 00	1.632E-03	1.616E-03	1.616E-03	1.616E-03	1.740E-03	1.850E-03	2.007E-03	2.220E-03	2.495E-03
4.97E 00---6.36E 00	1.513E-03	1.516E-03	1.516E-03	1.516E-03	1.671E-03	1.850E-03	2.007E-03	2.220E-03	2.495E-03
4.07E 00---4.97E 00	2.158E-03	2.166E-03	2.198E-03	2.262E-03	2.357E-03	2.488E-03	2.663E-03	2.882E-03	3.193E-03
3.01E 00---4.07E 00	2.680E-03	2.686E-03	2.711E-03	2.765E-03	2.844E-03	2.964E-03	3.133E-03	3.368E-03	3.692E-03
2.46E 00---3.01E 00	4.733E-03	4.741E-03	4.774E-03	4.954E-03	5.120E-03	5.363E-03	5.711E-03	6.203E-03	6.203E-03
2.35E 00---2.46E 00	6.431E-03	6.439E-03	6.472E-03	6.546E-03	6.678E-03	6.892E-03	7.223E-03	7.715E-03	8.415E-03
1.83E 00---2.35E 00	5.446E-03	5.460E-03	5.517E-03	5.632E-03	5.816E-03	6.082E-03	6.453E-03	6.954E-03	7.620E-03
1.11E 00---1.83E 00	6.433E-03	6.450E-03	6.522E-03	6.664E-03	6.878E-03	7.176E-03	7.572E-03	8.066E-03	8.750E-03
5.50E-01---1.11E 00	1.044E-02	1.046E-02	1.055E-02	1.075E-02	1.100E-02	1.137E-02	1.186E-02	1.248E-02	1.327E-02
1.11E-01---5.50E-01	1.608E-02	1.611E-02	1.621E-02	1.641E-02	1.670E-02	1.708E-02	1.756E-02	1.815E-02	1.885E-02
3.35E-02---1.11E-01	9.596E-02	9.604E-02	9.636E-02	9.697E-02	9.784E-02	9.896E-02	1.003E-01	1.037E-01	1.091E-01
5.83E-04---3.35E-02	7.991E-02	7.995E-02	8.014E-02	8.014E-02	8.101E-02	8.166E-02	8.332E-02	8.430E-02	8.630E-02
1.01E-04---5.83E-04	4.652E-00	4.654E-00	4.663E-00	4.681E-00	4.706E-00	4.737E-00	4.775E-00	4.817E-00	4.863E-00
2.90E-05---1.01E-04	1.968E-01	1.969E-01	1.972E-01	1.979E-01	1.988E-01	2.000E-01	2.014E-01	2.029E-01	2.046E-01
1.70E-05---2.90E-05	5.652E-01	5.664E-01	5.682E-01	5.707E-01	5.738E-01	5.774E-01	5.817E-01	5.863E-01	5.903E-01
3.06E-06---1.70E-05	1.488E-02	1.488E-02	1.490E-02	1.495E-02	1.501E-02	1.508E-02	1.517E-02	1.528E-02	1.538E-02
1.12E-06---3.06E-06	3.932E-02	3.934E-02	3.939E-02	3.950E-02	3.965E-02	3.984E-02	4.006E-02	4.031E-02	4.058E-02
4.14E-07---1.12E-06	8.505E-02	8.507E-02	8.519E-02	8.544E-02	8.572E-02	8.610E-02	8.655E-02	8.706E-02	8.760E-02
3.00 ---4.14E-07	1.221E-03	1.221E-03	1.227E-03	1.226E-03	1.231E-03	1.236E-03	1.241E-03	1.247E-03	1.254E-03
ENERGY GROUP (MEV)	ANGLE 10 MU= 0.0950	ANGLE 11 MU= 0.2816	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9894	SCALAR FLUX
1.22E 01---1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01---1.22E 01	8.934E-04	1.154E-03	1.253E-03	2.647E-03	6.155E-03	2.654E-02	1.240E-01	1.073E-00	2.586E-01
8.19E 00---1.00E 01	3.420E-03	2.311E-03	4.775E-03	6.267E-03	1.427E-02	2.004E-02	1.310E-02	9.134E-02	2.655E-02
6.36E 00---8.19E 00	3.778E-03	2.367E-03	3.770E-03	5.357E-03	6.141E-03	9.259E-03	1.369E-02	2.339E-02	4.808E-02
4.97E 00---6.36E 00	4.97E-03	4.967E-03	4.732E-03	5.394E-03	6.526E-03	1.124E-02	1.568E-02	1.799E-02	6.000E-02
4.07E 00---4.97E 00	3.01E 00---4.07E 00	3.359E-03	5.512E-03	7.070E-03	8.502E-03	1.299E-02	1.789E-02	3.130E-02	6.949E-02
2.46E 00---3.01E 00	5.855E-03	8.810E-03	8.515E-03	1.205E-02	1.386E-02	2.008E-02	2.760E-02	4.739E-02	1.131E-01
2.35E 00---2.46E 00	1.248E-02	8.939E-03	1.308E-02	1.626E-02	1.828E-02	2.699E-02	3.625E-02	6.1550E-02	1.550E-01
1.83E 00---2.35E 00	1.122E-02	1.122E-02	1.145E-02	1.401E-02	1.526E-02	1.795E-02	2.811E-02	4.470E-02	1.322E-01
1.11E 00---1.83E 00	1.198E-02	9.293E-03	1.220E-02	1.445E-02	1.544E-02	2.056E-02	2.504E-02	3.607E-02	1.393E-01
5.50E-01---1.11E 00	1.609E-02	1.438E-02	1.713E-02	1.930E-02	2.062E-02	2.512E-02	2.906E-02	3.777E-02	1.953E-01
1.11E-01---5.50E-01	2.062E-02	2.007E-02	2.169E-02	2.307E-02	2.393E-02	2.602E-02	2.756E-02	3.018E-02	2.525E-01
3.35E-02---1.11E-01	1.105E-01	1.071E-01	1.372E-01	1.154E-01	1.112E-01	1.172E-01	1.172E-01	1.184E-01	1.329E-00
5.83E-04---3.35E-02	8.533E-02	8.639E-02	8.749E-02	8.852E-02	8.944E-02	9.025E-02	9.085E-02	9.121E-02	1.069E-00
1.01E-04---5.83E-04	4.912E-00	4.962E-00	5.010E-00	5.057E-00	5.132E-00	5.197E-00	5.257E-00	5.317E-00	6.152E-01
2.90E-05---1.01E-04	2.064E-01	2.082E-01	2.100E-01	2.117E-01	2.131E-01	2.152E-01	2.157E-01	2.157E-01	2.586E-02
1.07E-05---2.90E-05	5.910E-01	5.958E-01	6.004E-01	6.047E-01	6.095E-01	6.116E-01	6.138E-01	6.511E-01	7.404E-02
3.06E-06---1.07E-05	1.550E-02	1.561E-02	1.572E-02	1.582E-02	1.591E-02	1.598E-02	1.604E-02	1.607E-02	1.942E-03
1.12E-06---3.06E-06	4.086E-02	4.113E-02	4.140E-02	4.187E-02	4.204E-02	4.244E-02	4.277E-02	4.324E-02	5.120E-03
6.14E-07---1.12E-06	8.817E-02	8.873E-02	8.927E-02	8.978E-02	9.021E-02	9.082E-02	9.097E-02	9.105E-02	1.058E-04
0.00 ---4.14E-07	1.261E-03	1.275E-03	1.282E-03	1.287E-03	1.291E-03	1.294E-03	1.296E-03	1.299E-03	1.581E-04

4 PI R**2 FLUENCE AT 200.0 METERS

10.00 TO 12.20 MEV NEUTRON SOURCE

(NEUTRONS/MEV/STERADIANT/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=-1.0000	ANGLE 2 MU=-0.9894	ANGLE 3 MU=-0.9446	ANGLE 4 MU=-0.8656	ANGLE 5 MU=-0.7550	ANGLE 6 MU=-0.6179	ANGLE 7 MU=-0.4580	ANGLE 8 MU=-0.2816	ANGLE 9 MU=-0.0950
1.22E 01----1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01----1.22E 01	-7.77E-04	-6.34E-04	-2.28E-04	6.06E-05	2.005E-04	-1.93E-04	-3.53E-05	-7.88E-05	2.01E-04
8.19E 00----1.00E 01	1.733E-03	1.689E-03	1.560E-03	1.361E-03	1.313E-03	1.510E-03	1.998E-03	2.743E-03	3.656E-03
6.36E 00----8.19E 00	2.801E-03	2.769E-03	2.633E-03	2.477E-03	2.315E-03	2.266E-03	2.247E-03	2.387E-03	2.638E-03
4.97E 00----6.36E 00	1.772E-03	1.792E-03	1.833E-03	1.911E-03	2.038E-03	2.223E-03	2.477E-03	2.790E-03	2.790E-03
4.07E 00----4.97E 00	2.418E-03	2.427E-03	2.444E-03	2.537E-03	2.645E-03	2.794E-03	2.992E-03	3.251E-03	3.493E-03
3.01E 00----4.07E 00	2.976E-03	2.982E-03	3.008E-03	3.060E-03	3.144E-03	3.259E-03	3.449E-03	3.702E-03	4.058E-03
2.46E 00----3.01E 00	5.322E-03	5.331E-03	5.367E-03	5.442E-03	5.562E-03	5.747E-03	6.020E-03	6.419E-03	6.992E-03
2.35E 00----2.46E 00	7.344E-03	7.353E-03	7.392E-03	7.480E-03	7.637E-03	7.966E-03	8.299E-03	8.898E-03	9.763E-03
1.83E 00----2.35E 00	6.399E-03	6.415E-03	6.484E-03	6.624E-03	6.847E-03	7.172E-03	7.625E-03	8.237E-03	9.050E-03
1.11E 00----1.83E 00	7.872E-03	7.894E-03	7.986E-03	8.162E-03	8.430E-03	8.806E-03	9.300E-03	9.943E-03	1.076E-02
5.50E-01----1.11E 00	1.359E-02	1.363E-02	1.375E-02	1.400E-02	1.438E-02	1.489E-02	1.555E-02	1.640E-02	1.747E-02
1.11E-01----5.50E-01	2.266E-02	2.270E-02	2.286E-02	2.316E-02	2.359E-02	2.417E-02	2.489E-02	2.576E-02	2.679E-02
3.35E-02----1.11E-01	1.452E-01	1.454E-01	1.459E-01	1.470E-01	1.484E-01	1.503E-01	1.526E-01	1.553E-01	1.583E-01
5.83E-04----3.35E-02	1.239E-01	1.240E-01	1.244E-01	1.250E-01	1.259E-01	1.271E-01	1.285E-01	1.302E-01	1.319E-01
1.01E-04----5.83E-04	7.336E-00	7.340E-00	7.358E-00	7.392E-00	7.439E-00	7.488E-00	7.570E-00	7.651E-00	7.740E-00
2.90E-05----1.01E-04	3.133E-01	3.135E-01	3.142E-01	3.155E-01	3.173E-01	3.196E-01	3.223E-01	3.254E-01	3.288E-01
1.07E-05----2.90E-05	9.058E-01	9.063E-01	9.082E-01	9.117E-01	9.166E-01	9.229E-01	9.303E-01	9.387E-01	9.479E-01
3.06E-06----1.07E-05	2.404E-02	2.412E-02	2.420E-02	2.441E-02	2.462E-02	2.492E-02	2.496E-02	2.481E-02	2.533E-02
1.12E-06----3.06E-06	6.372E-02	6.375E-02	6.387E-02	6.409E-02	6.439E-02	6.478E-02	6.524E-02	6.631E-02	6.631E-02
4.14E-07----1.12E-06	1.384E-03	1.384E-03	1.387E-03	1.391E-03	1.397E-03	1.405E-03	1.415E-03	1.425E-03	1.437E-03
0.0	-4.14E-07	1.994E-03	1.995E-03	2.005E-03	2.014E-03	2.025E-03	2.036E-03	2.049E-03	2.063E-03
ENERGY GROUP (MEV)	ANGLE 10 MU= 0.0950	ANGLE 11 MU= 0.2816	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9894	SCALAR FLUX
1.22E 01----1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01----1.22E 01	6.800E-04	9.857E-04	1.579E-03	2.331E-03	5.625E-03	1.067E-02	3.750E-02	8.694E-01	2.041E-01
8.19E 00----1.00E 01	5.412E-03	5.092E-03	7.731E-03	8.747E-03	1.343E-02	2.034E-02	3.708E-02	7.853E-02	9.308E-02
6.36E 00----8.19E 00	3.496E-03	3.927E-03	4.699E-03	5.436E-03	6.728E-03	1.014E-02	1.654E-02	3.2748E-02	5.503E-02
4.97E 00----6.36E 00	3.460E-03	3.517E-03	4.699E-03	5.436E-03	7.489E-03	1.014E-02	1.567E-02	3.173E-02	6.831E-02
4.07E 00----4.97E 00	4.389E-03	4.374E-03	5.816E-03	6.625E-03	9.049E-03	1.205E-02	1.835E-02	3.023E-02	7.73E-02
3.01E 00----4.07E 00	4.989E-03	4.989E-03	6.590E-03	7.462E-03	1.023E-02	1.467E-02	2.331E-02	3.330E-02	6.614E-02
2.46E 00----3.01E 00	8.360E-03	8.468E-03	1.010E-02	1.264E-02	1.697E-02	2.231E-02	3.08E-02	4.485E-02	7.544E-02
2.35E 00----2.46E 00	9.355E-03	1.338E-02	1.380E-02	1.959E-02	2.257E-02	3.08E-02	4.485E-02	7.544E-02	1.833E-01
1.83E 00----2.35E 00	8.632E-03	1.281E-02	1.229E-02	1.693E-02	1.878E-02	2.559E-02	3.371E-02	5.303E-02	1.542E-01
1.11E 00----1.83E 00	1.045E-02	1.472E-02	1.368E-02	1.786E-02	1.930E-02	2.556E-02	2.999E-02	4.190E-02	1.673E-01
5.50E-01----1.11E 00	1.775E-02	2.132E-02	2.171E-02	2.562E-02	2.761E-02	3.261E-02	3.770E-02	4.746E-02	2.522E-01
1.11E-01----5.50E-01	2.739E-02	2.982E-02	3.022E-02	3.292E-02	3.424E-02	3.672E-02	3.867E-02	4.143E-02	7.599E-01
1.35E-02----1.11E-01	1.582E-01	1.673E-01	1.673E-01	1.734E-01	1.752E-01	1.792E-01	1.811E-01	1.830E-01	1.306E-01
1.83E-04----3.35E-02	1.338E-01	1.358E-01	1.377E-01	1.396E-01	1.413E-01	1.428E-01	1.439E-01	1.445E-01	1.475E-01
1.01E-04----5.82E-04	7.833E-00	7.930E-00	8.024E-00	8.114E-00	8.261E-00	8.339E-00	8.410E-00	8.480E-00	8.550E-00
2.90E-05----1.01E-04	3.323E-01	3.359E-01	3.194E-01	3.428E-01	3.457E-01	3.881E-01	3.499E-01	3.509E-01	4.160E-02
1.07E-05----2.90E-05	9.575E-01	9.766E-01	9.855E-01	9.935E-01	9.997E-01	1.004E-01	1.007E-02	1.007E-02	1.199E-03
3.06E-06----1.07E-05	2.526E-02	2.550F-02	2.513E-02	2.594E-02	2.613E-02	2.640E-02	2.646E-02	2.646E-02	3.64E-03
1.12E-06----3.06E-06	6.689E-02	6.747E-02	6.804E-02	6.856E-02	6.902E-02	6.967E-02	6.983E-02	6.983E-02	8.377E-03
4.14E-07----1.12E-06	1.449E-03	1.461E-03	1.472E-03	1.492E-03	1.500E-03	1.505E-03	1.508E-03	1.508E-03	1.514E-04
0.0	-4.14E-07	2.078E-03	2.094E-03	2.109E-03	2.143E-03	2.153E-03	2.150E-03	2.150E-03	2.150E-04

4 PI R**2 FLUENCE AT 300.0 METERS

10.00 TO 12.20 MEV NEUTRON SOURCE

(NEUTRONS/MEV/STERADIANSOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU= -1.0000	ANGLE 2 MU= -0.9446	ANGLE 3 MU= -0.8656	ANGLE 4 MU= -0.7550	ANGLE 5 MU= -0.6179	ANGLE 6 MU= -0.4580	ANGLE 7 MU= -0.2216	ANGLE 8 MU= -0.0950	ANGLE 9 MU= 0.0
1.22E 01---1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-3.06E-05	-1.164E-04
1.00E 01---1.22E 01	-4.344E-04	-1.663E-04	2.841E-05	2.429E-04	1.110E-04	-4.382E-05	2.187E-03	1.582E-03	2.926E-03
8.19E 00---1.00E 01	1.211E-03	1.135E-03	1.035E-03	9.967E-04	1.177E-03	1.582E-03	2.187E-03	2.457E-03	2.457E-03
6.36E 00---8.19E 00	2.240E-03	2.256E-03	2.166E-03	2.035E-03	1.931E-03	1.901E-03	1.978E-03	2.167E-03	2.878E-03
4.97E 00---6.36E 00	1.772E-03	1.775E-03	1.790E-03	1.831E-03	1.914E-03	2.053E-03	2.257E-03	2.530E-03	2.530E-03
4.07E 00---4.97E 00	2.508E-03	2.518E-03	2.538E-03	2.636E-03	2.759E-03	2.908E-03	3.117E-03	3.391E-03	3.751E-03
3.01E 00---4.07E 00	3.043E-03	3.048E-03	3.070E-03	3.116E-03	3.192E-03	3.310E-03	3.483E-03	3.732E-03	4.086E-03
2.46E 00---3.01E 00	5.51E-03	5.459E-03	5.498E-03	5.572E-03	5.698E-03	5.890E-03	6.182E-03	6.615E-03	7.244E-03
2.35E 00---2.46E 00	7.667E-03	7.679E-03	7.673E-03	7.837E-03	8.030E-03	8.345E-03	8.891E-03	1.059E-02	1.551E-02
1.83E 00---2.35E 00	7.054E-03	7.073E-03	7.155E-03	7.321E-03	7.585E-03	7.970E-03	8.570E-03	9.237E-03	1.021E-02
1.11E 00---1.83E 00	9.111E-03	9.238E-03	9.359E-03	9.567E-03	9.896E-03	1.035E-02	1.096E-02	1.155E-02	1.276E-02
5.50E-01---1.11E 00	1.739E-02	1.743E-02	1.761E-02	1.796E-02	1.849E-02	1.920E-02	2.014E-02	2.283E-02	2.833E-02
1.11E-01---5.50E-01	3.253E-02	3.259E-02	3.264E-02	3.293E-02	3.400E-02	3.491E-02	3.604E-02	3.742E-02	3.903E-02
3.35E-02---1.11E-01	2.311E-01	2.314E-01	2.324E-01	2.343E-01	2.371E-01	2.406E-01	2.449E-01	2.499E-01	2.556E-01
5.83E-04---3.35E-02	2.044E-01	2.045E-01	2.052E-01	2.065E-01	2.083E-01	2.107E-01	2.135E-01	2.167E-01	2.203E-01
1.01E-04---5.83E-04	1.243E-01	1.243E-01	1.246E-01	1.254E-01	1.263E-01	1.276E-01	1.291E-01	1.320E-01	1.320E-01
2.90E-05---1.01E-04	5.394E-01	5.394E-01	5.409E-01	5.437E-01	5.477E-01	5.528E-01	5.588E-01	5.657E-01	5.732E-01
1.07E-05---2.90E-05	1.576E-02	1.578E-02	1.592E-02	1.595E-02	1.601E-02	1.615E-02	1.632E-02	1.651E-02	1.672E-02
3.06E-06---1.07E-05	4.229E-02	4.232E-02	4.233E-02	4.263E-02	4.291E-02	4.327E-02	4.377E-02	4.419E-02	4.472E-02
1.12E-06---3.06E-06	1.133E-03	1.134E-03	1.137E-03	1.142E-03	1.149E-03	1.158E-03	1.169E-03	1.182E-03	1.195E-03
4.14E-07---1.12E-06	2.400E-03	2.481E-03	2.488E-03	2.498E-03	2.513E-03	2.533E-03	2.555E-03	2.581E-03	2.609E-03
0.0 ---4.14E-07	3.605E-03	3.607E-03	3.616E-03	3.631E-03	3.652E-03	3.677E-03	3.707E-03	3.739E-03	3.775E-03
ENERGY GROUP (MEV)	ANGLE 10 MU= 0.0950	ANGLE 11 MU= 0.2816	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9894	SCALAR FLUX
1.22E 01---1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01---1.22E 01	4.853E-04	9.658E-04	1.278E-03	2.029E-03	4.781E-03	1.422E-02	5.229E-02	1.284E-01	1.930E-02
8.19E 00---1.00E 01	3.557E-03	4.787E-03	5.655E-03	7.697E-03	1.083E-03	1.779E-02	3.348E-02	7.808E-02	7.930E-02
6.36E 00---8.19E 00	4.644E-03	3.255E-03	4.616E-03	4.121E-03	1.035E-02	1.245E-02	1.098E-02	3.181E-02	5.408E-02
4.97E 00---6.36E 00	3.958E-03	4.679E-03	5.981E-03	7.802E-03	9.296E-03	7.802E-03	1.098E-02	1.671E-02	5.756E-02
4.07E 00---4.97E 00	4.970E-03	5.781E-03	7.280E-03	9.296E-03	1.277E-02	1.883E-02	3.244E-02	7.100E-02	7.100E-02
3.01E 00---4.07E 00	4.471E-03	5.402E-03	6.257E-03	7.902E-03	1.000E-02	1.356E-02	1.649E-02	2.206E-02	7.666E-02
2.46E 00---3.01E 00	8.018E-03	9.560E-03	1.211E-02	1.409E-02	1.791E-02	2.449E-02	3.593E-02	6.165E-02	1.381E-01
2.35E 00---2.46E 00	1.246E-02	1.380E-02	1.311E-02	2.091E-02	2.739E-02	3.644E-02	5.324E-02	8.934E-02	2.041E-01
1.83E 00---2.35E 00	1.87E-02	1.284E-02	1.566E-02	1.812E-02	2.262E-02	2.824E-02	3.810E-02	5.720E-02	1.754E-01
1.11E 00---1.83E 00	1.442E-02	1.531E-02	1.789E-02	1.997E-02	2.364E-02	2.756E-02	3.399E-02	4.396E-02	1.971E-01
5.50E-01---1.11E 00	2.497E-02	2.670E-02	2.989E-02	3.287E-02	3.721E-02	4.193E-02	4.842E-02	5.738E-02	3.321E-01
1.11E-01---5.50E-01	4.111E-02	4.284E-02	4.555E-02	4.776E-02	5.060E-02	5.317E-02	5.590E-02	5.821E-02	5.200E-01
3.35E-02---1.11E-01	2.344E-01	2.671E-01	2.755E-01	2.807E-01	2.879E-01	2.925E-01	2.972E-01	2.994E-01	3.278E-00
5.83E-04---3.35E-02	2.241E-01	2.280E-01	2.320E-01	2.358E-01	2.392E-01	2.421E-01	2.443E-01	2.455E-01	2.804E-00
1.01E-04---5.83E-04	1.448E-01	1.48E-01	1.369E-01	1.409E-01	1.426E-01	1.441E-01	1.452E-01	1.458E-01	1.686E-02
2.9CE-05---1.01E-04	5.812E-01	5.894E-01	5.974E-01	6.050E-01	6.117E-01	6.173E-01	6.214E-01	6.238E-01	7.272E-02
1.07E-05---2.90E-05	1.695E-02	1.717E-02	1.739E-02	1.760E-02	1.779E-02	1.806E-02	1.812E-02	1.818E-02	2.120E-03
3.06E-06---1.07E-05	4.528E-02	4.584E-02	4.640E-02	4.692E-02	4.738E-02	4.776E-02	4.804E-02	4.820E-02	5.665E-03
1.12E-06---3.06E-06	1.209E-03	1.224E-03	1.238E-03	1.251E-03	1.262E-03	1.272E-03	1.279E-03	1.283E-03	1.513E-04
4.14E-07---1.12E-06	2.39E-03	2.669E-03	2.725E-03	2.749E-03	2.769E-03	2.783E-03	2.791E-03	3.303E-04	3.303E-04
0.0 ---4.14E-07	3.612E-03	3.851E-03	3.889E-03	3.925E-03	3.956E-03	3.980E-03	3.996E-03	4.005E-03	4.774E-03

4 PI R**2 FLUENCE AT 400.0 METERS

10.00 TO 12.20 MEV NEUTRON SOURCE

(NEUTRONS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=-1.0000	ANGLE 2 MU=-0.9894	ANGLE 3 MU=0.9446	ANGLE 4 MU=0.8656	ANGLE 5 MU=0.7550	ANGLE 6 MU=0.6179	ANGLE 7 MU=-0.4580	ANGLE 8 MU=-0.2816	ANGLE 9 MU=-0.0950
1.22E 01----1.50E 01	0.0	-2.756E-04	-8.671E-05	3.514E-05	1.695E-04	6.662E-05	-3.562E-05	-1.819E-05	1.040E-04
1.00E 01----1.22E 01	-3.390E-04	8.136E-04	7.569E-04	6.984E-04	7.120E-04	8.537E-04	1.152E-03	1.595E-03	2.138E-03
8.9E 00----1.00E 01	8.308E-04	1.703E-03	1.622E-03	1.535E-03	1.476E-03	1.484E-03	2.040E-03	2.040E-03	2.040E-03
6.36E 00----8.19E 00	1.550E-03	1.552E-03	1.565E-03	1.602E-03	1.680E-03	1.811E-03	2.004E-03	2.61E-03	2.585E-03
4.97E 00----6.36E 00	1.550E-03	2.271E-03	2.317E-03	2.389E-03	2.495E-03	2.640E-03	2.831E-03	3.083E-03	3.415E-03
4.07E 00----4.97E 00	2.271E-03	2.724E-03	2.728E-03	2.745E-03	2.781E-03	2.844E-03	2.943E-03	3.093E-03	3.622E-03
3.01E 00----4.07E 00	4.834E-03	4.422E-03	4.834E-03	4.875E-03	4.944E-03	5.017E-03	5.242E-03	5.517E-03	6.530E-03
2.35E 00----2.46E 00	6.886E-03	6.898E-03	6.952E-03	7.050E-03	7.274E-03	7.601E-03	8.097E-03	8.828E-03	9.877E-03
1.83E 00----2.35E 00	6.642E-03	6.661E-03	6.744E-03	6.912E-03	7.175E-03	7.559E-03	8.065E-03	8.823E-03	9.791E-03
1.11E 00----1.83E 00	9.044E-03	9.071E-03	9.184E-03	9.405E-03	9.738E-03	1.020E-02	1.022E-02	1.264E-02	1.264E-02
5.50E-01----1.11E 00	1.819E-02	1.845E-02	1.845E-02	1.886E-02	1.942E-02	2.022E-02	2.127E-02	2.261E-02	2.428E-02
1.11E-01----5.50E-01	3.704E-02	3.711E-02	3.742E-02	3.800E-02	3.882E-02	3.992E-02	4.330E-02	4.297E-02	4.492E-02
5.35E-02----1.11E-01	2.831E-01	2.334E-01	2.848E-01	2.878E-01	2.911E-01	2.959E-01	3.04E-01	3.04E-01	3.160E-01
5.83E-04----3.35E-02	2.566E-01	2.566E-01	2.578E-01	2.598E-01	2.622E-01	2.655E-01	2.694E-01	2.740E-01	2.790E-01
1.01E-04----5.83E-04	1.590E-01	1.552E-01	1.597E-01	1.607E-01	1.622E-01	1.640E-01	1.662E-01	1.688E-01	1.716E-01
2.90E-05----1.01E-04	6.989E-01	6.995E-01	7.018E-01	7.060E-01	7.119E-01	7.195E-01	7.286E-01	7.389E-01	7.503E-01
1.07E-05----2.90E-05	2.063E-02	2.065E-02	2.072E-02	2.084E-02	2.101E-02	2.122E-02	2.144E-02	2.178E-02	2.210E-02
3.06E-06----1.07E-05	5.595E-02	5.599E-02	5.616E-02	5.648E-02	5.692E-02	5.748E-02	5.815E-02	5.891E-02	5.975E-02
1.12E-06----3.06E-06	1.511E-03	1.521E-03	1.517E-03	1.525E-03	1.536E-03	1.551E-03	1.568E-03	1.588E-03	1.610E-03
4.14E-07----1.12E-06	3.331E-03	3.333E-03	3.342E-03	3.360E-03	3.364E-03	3.415E-03	3.452E-03	3.494E-03	3.539E-03
0.0	-4.14E-07	4.879E-03	4.882E-03	4.896E-03	4.921E-03	4.954E-03	4.996E-03	5.043E-03	5.156E-03

39

ENERGY GROUP (MEV)	ANGLE 10 MU= 0.0950	ANGLE 11 MU= 0.2816	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 SCALAR FLUX MU= 0.9894
1.22E 01----1.50E 01	0.0	4.090E-04	7.243E-04	9.968E-06	1.568E-03	3.752E-03	1.089E-02	3.535E-02
1.00E 01----1.22E 01	-6.753E-03	3.911E-03	5.282E-03	5.888E-03	7.394E-03	9.352E-03	1.535E-02	3.131E-01
8.9E 00----1.00E 01	2.378E-03	2.854E-03	3.490E-03	4.532E-03	6.256E-03	1.020E-02	1.546E-02	6.148E-02
6.36E 00----8.19E 00	3.002E-03	3.536E-03	4.317E-03	5.466E-03	7.273E-03	1.166E-02	1.546E-02	4.641E-02
4.97E 00----6.36E 00	3.871E-03	4.741E-03	5.368E-03	6.571E-03	8.969E-03	1.814E-02	2.171E-02	5.248E-02
3.01E 00----4.97E 00	4.091E-03	4.712E-03	5.653E-03	6.967E-03	8.914E-03	1.180E-02	1.632E-02	2.589E-02
2.46E 00----3.01E 00	7.411E-03	8.38E-03	1.045E-02	1.203E-02	1.691E-02	2.293E-02	3.346E-02	6.735E-02
2.35E 00----2.46E 00	1.133E-02	1.348E-02	1.639E-02	2.064E-02	2.679E-02	3.634E-02	5.274E-02	8.842E-02
1.83E 00----2.35E 00	1.102E-02	1.277E-02	1.492E-02	1.790E-02	2.193E-02	2.746E-02	3.656E-02	5.234E-02
1.11E 00----1.83E 00	1.388E-02	1.557E-02	1.751E-02	2.006E-02	2.315E-02	2.713E-02	3.226E-02	3.982E-02
5.50E-01----1.11E 00	2.630E-02	2.888E-02	3.187E-02	3.555E-02	3.983E-02	4.692E-02	5.087E-02	5.832E-02
1.11E-01----5.50E-01	4.713E-02	4.973E-02	5.246E-02	5.547E-02	5.850E-02	6.152E-02	6.421E-02	6.629E-02
3.35E-02----1.11E-01	3.238E-01	3.333E-01	3.418E-01	3.500E-01	3.588E-01	3.660E-01	3.733E-01	3.746E-01
5.83E-04----3.35E-02	2.844E-01	2.900E-01	2.956E-01	3.008E-01	3.058E-01	3.098E-01	3.129E-01	3.146E-01
1.01E-04----5.83E-04	1.745E-01	1.776E-01	1.807E-01	1.836E-01	1.862E-01	1.883E-01	1.909E-01	1.935E-01
2.90E-05----1.01E-04	7.624E-01	7.748E-01	7.871E-01	7.980E-01	8.090E-01	8.176E-01	8.240E-01	8.535E-01
1.07E-05----2.90E-05	2.245E-02	2.280E-02	2.315E-02	2.347E-02	2.377E-02	2.419E-02	2.429E-02	2.807E-02
3.06E-06----1.07E-05	6.036E-02	6.154E-02	6.243E-02	6.326E-02	6.400E-02	6.462E-02	6.507E-02	6.533E-02
1.12E-06----3.06E-06	1.632E-03	1.656E-03	1.678E-03	1.700E-03	1.719E-03	1.734E-03	1.753E-03	1.773E-03
6.14E-07----1.12E-06	3.588E-03	3.637E-03	3.685E-03	3.730E-03	3.770E-03	3.802E-03	3.840E-03	3.882E-03
0.0	-4.14E-07	5.218E-03	5.283E-03	5.347E-03	5.405E-03	5.458E-03	5.499E-03	5.532E-03

♦ PI R**2 FLUENCE AT 500.0 METERS

10.00 TO 12.20 MEV NEUTRON SOURCE

(NEUTRONS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU= -1.0000	ANGLE 2 MU= 0.9894	ANGLE 3 MU= -0.9446	ANGLE 4 MU= 0.8656	ANGLE 5 MU= 0.7550	ANGLE 6 MU= 0.6179	ANGLE 7 MU= -0.4580	ANGLE 8 MU= -0.2816	ANGLE 9 MU= -0.0950
1.22E 01----1.50E 01	0.0	-2.077E-04	-1.687E-04	-5.024E-05	2.570E-05	1.104E-04	3.893E-05	-2.411E-05	-6.847E-06
1.00E 01----1.22E 01	0.0	-2.077E-04	5.384E-04	5.291E-04	4.700E-04	4.903E-04	5.927E-04	7.996E-04	1.106E-03
8.19E 00----1.00E 01	0.0	1.214E-03	1.202E-03	1.161E-03	1.106E-03	1.077E-03	1.019E-03	1.194E-03	1.485E-03
6.36E 00----8.19E 00	0.0	1.260E-03	1.261E-03	1.272E-03	1.303E-03	1.370E-03	1.484E-03	1.650E-03	1.586E-03
4.97E 00----6.36E 00	0.0	1.903E-03	1.910E-03	1.942E-03	2.009E-03	2.093E-03	2.216E-03	2.379E-03	2.147E-03
4.07E 00----4.97E 00	0.0	1.903E-03	1.910E-03	1.942E-03	2.009E-03	2.093E-03	2.216E-03	2.379E-03	2.147E-03
3.01E 00----4.07E 00	0.0	2.262E-03	2.265E-03	2.278E-03	2.305E-03	2.354E-03	2.433E-03	2.554E-03	2.995E-03
2.46E 00----3.01E 00	0.0	3.965E-03	3.972E-03	4.001E-03	4.041E-03	4.161E-03	4.318E-03	4.559E-03	5.444E-03
2.35E 00----2.46E 00	0.0	5.701E-03	5.714E-03	5.767E-03	5.822E-03	6.076E-03	6.388E-03	6.839E-03	7.508E-03
1.83E 00----2.35E 00	0.0	5.732E-03	5.749E-03	5.825E-03	5.978E-03	6.217E-03	6.565E-03	7.049E-03	8.465E-03
1.21E 00----1.83E 00	0.0	8.051E-03	8.076E-03	8.179E-03	8.381E-03	8.685E-03	9.110E-03	9.674E-03	1.041E-02
5.50E-01----1.11E 00	0.0	1.706E-02	1.726E-02	1.765E-02	1.822E-02	1.901E-02	2.033E-02	2.135E-02	2.299E-02
1.11E-01----5.50E-01	0.0	3.706E-02	3.738E-02	3.798E-02	3.885E-02	4.000E-02	4.144E-02	4.318E-02	4.523E-02
3.25E-02----1.11E-01	0.0	2.989E-01	2.992E-01	3.008E-01	3.037E-01	3.079E-01	3.133E-01	3.198E-01	3.360E-01
5.83E-04----3.35E-04	0.0	2.759E-01	2.762E-01	2.773E-01	2.794E-01	2.824E-01	2.862E-01	2.960E-01	3.098E-01
1.01E-04----5.83E-04	0.0	1.735E-01	1.737E-01	1.743E-01	1.756E-01	1.773E-01	1.793E-01	1.821E-01	1.855E-01
2.90E-05----1.01E-04	0.0	7.709E-01	7.737E-01	7.788E-01	7.859E-01	7.955E-01	8.061E-01	8.187E-01	8.326E-01
1.07E-05----2.90E-05	0.0	2.291E-02	2.293E-02	2.311E-02	2.337E-02	2.386E-02	2.457E-02	2.532E-02	2.643E-02
3.06E-06----1.07E-05	0.0	6.266E-02	6.271E-02	6.291E-02	6.332E-02	6.386E-02	6.540E-02	6.636E-02	6.741E-02
1.12E-06----3.06E-06	0.0	1.704E-03	1.705E-03	1.711E-03	1.721E-03	1.735E-03	1.755E-03	1.776E-03	1.801E-03
4.14E-07----1.12E-06	0.0	3.777E-03	3.780E-03	3.792E-03	3.845E-03	3.932E-03	3.986E-03	4.045E-03	4.105E-03
0.0	-4.14E-07	5.570E-03	5.574E-03	5.592E-03	5.624E-02	5.666E-03	5.719E-03	5.781E-03	5.927E-03
ENERGY GROUP (MEV)	ANGLE 10 MU= 0.0950	ANGLE 11 MU= 0.2816	ANGLE 12 MU= 0.4580	ANGLE 13 MU= -0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 3.8656	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9944	SCALAR FLUX
1.22E 01----1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01----1.22E 01	0.0	3.001E-04	5.228E-04	7.175E-04	1.156E-03	2.772E-03	7.905E-03	2.407E-02	1.835E-01
8.19E 00----1.00E 01	0.0	1.907E-03	3.009E-03	4.066E-03	6.127E-03	1.044E-02	2.407E-02	4.506E-02	5.059E-02
6.36E 00----8.19E 00	0.0	1.874E-03	2.249E-03	2.792E-03	5.664E-03	9.155E-03	7.811E-03	1.296E-02	3.729E-02
4.97E 00----6.36E 00	0.0	2.497E-03	2.965E-03	3.633E-03	4.644E-03	6.221E-03	3.764E-03	1.319E-02	4.415E-02
4.07E 00----4.97E 00	0.0	3.257E-03	3.789E-03	4.549E-03	5.644E-03	7.328E-03	9.886E-03	1.407E-02	2.267E-02
3.01E 00----4.07E 00	0.0	3.370E-03	3.909E-03	4.674E-03	5.768E-03	7.330E-03	9.601E-03	1.309E-02	2.532E-02
2.46E 00----3.01E 00	0.0	6.211E-03	7.312E-03	8.894E-03	1.119E-02	1.458E-02	1.881E-02	2.867E-02	5.501E-02
2.35E 00----2.46E 00	0.0	9.820E-03	1.173E-02	1.445E-02	1.835E-02	2.408E-02	3.288E-02	4.776E-02	4.755E-02
1.83E 00----2.35E 00	0.0	9.734E-03	1.124E-02	1.325E-02	1.586E-02	2.193E-02	2.211E-02	3.130E-02	4.384E-02
1.11E 00----1.83E 00	0.0	1.250E-02	1.395E-02	1.576E-02	1.798E-02	2.071E-02	2.004E-02	2.810E-02	3.335E-02
5.50E-01----1.11E 00	0.0	2.501E-02	2.747E-02	3.044E-02	3.396E-02	3.806E-02	4.275E-02	4.796E-02	5.368E-02
1.11E-01----5.50E-01	0.0	4.758E-02	5.021E-02	5.310E-02	5.615E-02	5.926E-02	6.223E-02	6.659E-02	7.343E-02
3.25E-02----1.11E-01	0.0	3.544E-01	3.551E-01	3.653E-01	3.751E-01	3.843E-01	3.921E-01	3.981E-01	4.016E-01
5.82E-04----3.35E-02	0.0	3.081E-01	3.146E-01	3.211E-01	3.274E-01	3.330E-01	3.377E-01	3.412E-01	3.433E-01
1.01E-04----5.83E-04	0.0	1.921E-01	1.957E-01	1.994E-01	2.029E-01	2.060E-01	2.096E-01	2.115E-01	2.401E-01
2.90E-05----1.01E-04	0.0	8.473E-01	8.625E-01	8.775E-01	8.917E-01	9.044E-01	9.150E-01	9.228E-01	1.059E-01
1.07E-05----2.90E-05	0.0	2.544E-02	2.658E-02	2.662E-02	2.678E-02	2.709E-02	2.731E-02	2.744E-02	3.143E-02
3.06E-06----1.07E-05	0.0	6.533E-02	6.967E-02	7.079E-02	7.185E-02	7.279E-02	7.358E-02	7.416E-02	8.567E-02
1.12E-06----3.06E-06	0.0	1.857E-03	1.887E-03	1.916E-03	1.944E-03	1.968E-03	1.988E-03	2.003E-03	2.322E-04
4.14E-07----1.12E-06	0.0	4.170E-03	4.233E-03	4.291E-03	4.343E-03	4.386E-03	4.418E-03	4.426E-03	5.135E-04
0.0	-4.14E-07	6.009F-03	6.177E-03	6.255E-03	6.323E-03	6.378E-03	6.417E-03	6.438E-03	7.519E-04

4 PI R**2 FLUENCE AT 600.0 METERS

10.00 TO 12.20 MEV NEUTRON SOURCE

(NEUTRONS/MEV/STERADIAN/SOURCE NEUTRONS)

ENERGY GROUP (MEV)	ANGLE 1 MU=1.0000	ANGLE 2 MU=0.9984	ANGLE 3 MU=0.9446	ANGLE 4 MU=0.8656	ANGLE 5 MU=0.7550	ANGLE 6 MU=0.6179	ANGLE 7 MU=0.4580	ANGLE 8 MU=0.2816	ANGLE 9 MU=-0.050
1.22E 01---1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01---1.22E 01	-1.250E-04	-1.013E-04	-2.880E-05	2.190E-05	6.937E-05	2.267E-05	-1.474E-05	1.926E-06	6.513E-05
8.19E 00---1.00E 01	3.425E-04	3.374E-04	3.225E-04	3.111E-04	3.111E-04	3.111E-04	5.335E-04	7.440E-04	1.001E-03
6.66E 00---8.19E 00	8.416E-04	8.339E-04	8.072E-04	7.733E-04	7.622E-04	7.904E-04	8.708E-04	1.004E-03	1.182E-03
4.97E 00---6.36E 00	9.767E-04	9.780E-04	9.864E-04	1.012E-03	1.066E-03	1.159E-03	1.294E-03	1.473E-03	1.696E-03
4.07E 00---4.97E 00	1.516E-03	1.523E-03	1.548E-03	1.548E-03	1.670E-03	1.769E-03	1.859E-03	2.012E-03	2.300E-03
3.01E 00---4.07E 00	1.790E-03	1.792E-03	1.802E-03	1.821E-03	1.858E-03	1.918E-03	2.153E-03	2.360E-03	2.360E-03
2.46E 00---3.01E 00	3.097E-03	3.102E-03	3.126E-03	3.176E-03	3.259E-03	3.389E-03	3.588E-03	3.885E-03	4.322E-03
2.35E 00---2.46E 00	4.488E-03	4.499E-03	4.548E-03	4.651E-03	4.822E-03	5.087E-03	5.682E-03	6.054E-03	6.871E-03
1.83E 00---2.35E 00	4.677E-03	4.693E-03	4.758E-03	4.886E-03	5.091E-03	5.386E-03	5.797E-03	6.353E-03	7.093E-03
1.11E 00---1.83E 00	6.731E-03	6.752E-03	6.841E-03	7.028E-03	7.271E-03	7.633E-03	8.114E-03	8.738E-03	9.529E-03
5.50E-01---1.11E 00	1.479E-02	1.484E-02	1.502E-02	1.537E-02	1.588E-02	1.659E-02	1.752E-02	1.871E-02	2.019E-02
1.11E-01---5.50E-01	3.389E-02	3.397E-02	3.427E-02	3.488E-02	3.567E-02	3.676E-02	3.813E-02	3.978E-02	4.177E-02
3.35E-02---1.11E-01	2.864E-01	2.867E-01	2.883E-01	2.913E-01	2.954E-01	3.008E-01	3.074E-01	3.150E-01	3.237E-01
5.83E-04---3.35E-02	2.681E-01	2.684E-01	2.696E-01	2.717E-01	2.746E-01	2.787E-01	2.834E-01	2.888E-01	2.949E-01
1.01E-04---5.83E-04	1.706E-01	1.708E-01	1.715E-01	1.727E-01	1.768E-01	1.796E-01	1.827E-01	1.862E-01	1.892E-01
2.90E-05---1.01E-04	7.631E-01	7.639E-01	7.668E-01	7.722E-01	7.797E-01	7.895E-01	8.011E-01	8.145E-01	8.292E-01
1.07E-05---2.90E-05	2.283E-02	2.285E-02	2.294E-02	2.310E-02	2.332E-02	2.361E-02	2.395E-02	2.434E-02	2.477E-02
3.06E-06---1.07E-05	6.289E-02	6.295E-02	6.318E-02	6.620E-02	6.419E-02	6.495E-02	6.586E-02	6.690E-02	6.804E-02
1.12E-06---3.06E-06	1.719E-03	1.721E-03	1.727E-03	1.738E-03	1.754E-03	1.774E-03	1.798E-03	1.825E-03	1.853E-03
4.14E-07---1.12E-06	3.831E-03	3.834E-03	3.847E-03	3.872E-03	3.906E-03	3.949E-03	4.001E-03	4.060E-03	4.125E-03
0.0	5.680E-03	5.685E-03	5.704E-03	5.739E-03	5.786E-03	5.845E-03	5.913E-03	5.991E-03	6.077E-03
ENERGY GROUP (MEV)	ANGLE 10 MU= 0.0950	ANGLE 11 MU= 0.2816	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9894	SCALAR FLUX
1.22E 01---1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01---1.22E 01	2.114E-04	4.603E-04	4.975E-04	8.193E-04	9.70E-03	5.260E-03	6.161E-02	0.0	0.0
8.19E 00---1.00E 01	1.290E-03	1.617E-03	2.060E-03	2.823E-03	4.347E-03	7.561E-03	1.494E-02	3.073E-01	3.155E-02
6.36E 00---8.19E 00	4.470E-03	2.129E-03	2.906E-03	3.741E-03	4.045E-03	6.216E-03	1.035E-02	2.021E-02	2.898E-02
4.97E 00---6.36E 00	1.979E-03	2.358E-03	3.044E-03	4.575E-03	5.924E-03	7.138E-03	1.068E-02	1.721E-02	3.522E-02
4.07E 00---4.97E 00	2.611E-03	3.044E-03	3.666E-03	4.547E-03	5.750E-03	7.421E-03	9.934E-03	1.410E-02	4.333E-02
3.01E 00---4.07E 00	2.659E-03	3.085E-03	3.691E-03	4.547E-03	5.750E-03	7.421E-03	9.934E-03	1.410E-02	4.293E-02
2.46E 00---3.01E 00	4.958E-03	8.73E-03	1.91E-03	1.91E-03	1.91E-03	1.92E-02	1.621E-02	1.778E-02	1.823E-02
2.35E 00---2.46E 00	8.027E-03	7.301E-03	5.665E-03	1.200E-02	1.538E-02	2.036E-02	4.073E-02	6.634E-02	1.427E-01
1.83E 00---2.35E 00	8.059E-03	9.349E-03	1.103E-02	1.324E-02	1.617E-02	2.012E-02	2.571E-02	3.484E-02	1.277E-01
1.11E 00---1.83E 00	1.02E-02	1.327E-02	1.513E-02	1.737E-02	2.002E-02	2.310E-02	2.665E-02	3.444E-02	1.044E-01
5.50E 01---1.11E 00	2.202E-02	2.424E-02	2.690E-02	3.005E-02	3.368E-02	3.773E-02	4.205E-02	4.632E-02	2.939E-01
1.11E 01---5.50E 01	4.396E-02	4.647E-02	4.919E-02	5.207E-02	5.496E-02	5.769E-02	5.998E-02	6.151E-02	5.677E-01
3.35E 02---1.11E 01	3.430E-01	3.331E-01	3.532E-01	3.631E-01	3.722E-01	3.722E-01	3.860E-01	3.895E-01	4.166E-00
5.83E 00---3.35E 02	3.012E-01	3.079E-01	3.146E-01	3.210E-01	3.267E-01	3.316E-01	3.352E-01	3.373E-01	3.655E-00
1.01E 04---5.83E 04	1.900E-01	1.939E-01	1.977E-01	2.013E-01	2.046E-01	2.074E-01	2.094E-01	2.106E-01	2.375E-01
2.90E 05---1.01E 04	8.449E-01	8.610E-01	8.770E-01	8.921E-01	9.057E-01	9.170E-01	9.253E-01	9.301E-01	1.056E-01
1.07E 05---2.90E 05	2.522E-02	2.616E-02	2.660E-02	2.732E-02	2.756E-02	2.770E-02	2.770E-02	2.770E-02	3.533E-03
3.06E 06---1.07E 05	6.925E-02	7.049E-02	7.172E-02	7.288E-02	7.392E-02	7.478E-02	7.541E-02	7.579E-02	8.656E-03
1.12E 06---3.06E 06	1.887E-03	1.920E-03	1.952E-03	1.983E-03	2.010E-03	2.032E-03	2.049E-03	2.058E-03	2.059E-04
4.14E 07---1.12E 06	4.194E-03	4.265E-03	4.334E-03	4.400E-03	4.458E-03	4.506E-03	4.542E-03	4.562E-03	5.243E-04
0.0	6.168E-03	6.263E-03	6.357E-03	6.455E-03	6.522E-03	6.583E-03	6.627E-03	6.652E-03	7.16E-04

4 PI R**2 FLUENCE AT 900.0 METERS

10.00 1U 12.20 MEV NEUTRON SOURCE

(NEUTRONS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=-1.000C	ANGLE 2 MU=-0.9894	ANGLE 3 MU=-0.9446	ANGLE 4 MU=-0.8656	ANGLE 5 MU=-0.7550	ANGLE 6 MU=-0.6119	ANGLE 7 MU=-0.4580	ANGLE 8 MU=-0.2816	ANGLE 9 MU=-0.0950
1.22E 01----1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01----1.22E 01	-2.580E-05	-2.084E-05	-5.267E-06	6.409E-06	1.556E-05	4.678E-06	-2.314E-06	2.375E-06	2.445E-05
8.19E 00----1.00E 01	8.196E-05	8.174E-05	8.137E-05	8.295E-05	9.084E-05	1.106E-04	2.476E-04	2.768E-04	2.768E-04
6.36E 00----8.19E 00	2.548E-04	2.530E-04	2.469E-04	2.410E-04	2.428E-04	2.614E-04	2.977E-04	3.525E-04	4.236E-04
4.97E 00----6.36E 00	3.871E-04	3.877E-04	3.913E-04	4.025E-04	4.266E-04	4.678E-04	5.274E-04	6.049E-04	7.013E-04
4.07E 00----4.97E 00	6.426E-04	6.452E-04	6.564E-04	6.770E-04	7.087E-04	7.515E-04	8.080E-04	8.827E-04	9.826E-04
3.01E 00----4.07E 00	1.246E-04	7.473E-04	7.503E-04	7.572E-04	7.707E-04	7.941E-04	8.321E-04	8.904E-04	9.769E-04
2.46E 00----3.01E 00	1.248E-C3	1.251E-03	1.262E-03	1.285E-03	1.323E-03	1.383E-03	1.475E-03	1.613E-03	1.816E-03
2.35E 00----2.46E 00	1.840E-03	1.847E-03	1.874E-03	1.939E-03	2.018E-03	2.153E-03	2.339E-03	2.631E-03	3.030E-03
1.83E 00----2.35E 00	2.096E-03	2.129E-03	2.129E-03						
1.11E 00----1.83E 00	3.154E-03	3.164E-03	3.164E-03						
5.50E-01----1.11E 00	7.523E-03	7.546E-03	7.646E-03	7.836E-03	8.118E-03	8.507E-03	9.05E-03	9.665E-03	1.048E-02
3.11E-01----5.50E-01	1.923E-02	1.928E-02	1.946E-02	1.981E-02	2.031E-02	2.097E-02	2.180E-02	2.281E-02	2.400E-02
3.35E-02----1.11E-01	1.781E-01	1.784E-01	1.795E-01	1.814E-01	1.843E-01	1.879E-01	1.924E-01	1.976E-01	2.035E-01
5.83E-04----3.35E-02	1.715E-01	1.717E-01	1.725E-01	1.740E-01	1.762E-01	1.789E-01	1.832E-01	1.886E-01	1.903E-01
1.01E-04----5.83E-04	1.117E-01	1.118E-01	1.123E-01	1.132E-01	1.145E-01	1.162E-01	1.182E-01	1.205E-01	1.231E-01
2.90E-05----1.01E-04	5.073E-01	5.103E-01	5.103E-01						
1.07E-05----2.90E-05	1.533E-02	1.537E-02	1.544E-02	1.554E-02	1.556E-02	1.573E-02	1.594E-02	1.620E-02	1.683E-02
3.06E-06----1.07E-05	4.291E-02	4.295E-02	4.313E-02	4.346E-02	4.392E-02	4.450E-02	4.521E-02	4.602E-02	4.691E-02
1.12E-06----3.06E-06	1.186E-03	1.192E-03	1.201E-03	1.213E-03	1.229E-03	1.249E-03	1.277E-03	1.293E-03	1.293E-03
4.14E-07----1.12E-06	2.670E-03	2.673E-03	2.683E-03	2.702E-03	2.720E-03	2.765E-03	2.806E-03	2.854E-03	2.906E-03
0.0	4.004E-03	4.008E-03	4.023E-03	4.051E-03	4.089E-03	4.137E-03	4.193E-03	4.257E-03	4.327E-03
ENERGY GROUP (MEV)	ANGLE 10 MU= 0.0950	ANGLE 11 MU= 0.2816	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9894	SCALAR FLUX
1.22E 01----1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01----1.22E 01	6.290E-05	1.023E-04	4.650E-04	2.535E-04	6.111E-04	1.653E-03	2.642E-03	5.165E-03	7.664E-03
8.19E 00----1.00E 00	3.614E-04	6.290E-04	6.073E-04	6.073E-04	1.403E-03	2.565E-03	4.450E-03	1.253E-02	1.019E-02
6.36E 00----8.19E 00	5.118E-04	9.939E-04	1.238E-03	1.622E-03	2.226E-03	2.628E-03	4.4E-03	8.291E-03	1.119E-02
4.97E 00----6.36E 00	8.120E-04	1.120E-03	1.333E-03	1.592E-03	1.998E-03	2.589E-03	4.67E-03	7.398E-03	1.502E-02
4.07E 00----4.97E 00	1.102E-02	1.211E-03	1.531E-03	1.876E-03	2.341E-03	2.958E-03	3.755E-03	4.797E-03	1.735E-02
3.01E 00----4.07E 00	2.527E-03	3.111E-03	4.045E-03	5.352E-03	7.301E-03	1.033E-02	1.576E-02	3.725E-02	6.659E-02
2.46E 00----3.01E 00	3.486E-03	4.598E-03	5.818E-03	7.305E-03	9.884E-03	2.022E-02	2.022E-02	5.866E-02	5.866E-02
2.25E 00----2.46E 00	4.246E-03	5.730E-03	6.376E-03	5.154E-03	7.564E-03	9.322E-03	1.160E-02	1.464E-02	1.586E-02
1.83E 00----2.35E 00	4.367E-03	5.992E-03	5.583E-03	7.168E-03	8.175E-03	9.302E-03	1.088E-02	1.153E-02	1.780E-02
1.11E 00----1.83E 00	4.992E-03	1.141E-02	1.148E-02	1.249E-02	1.583E-02	1.774E-02	2.181E-02	2.345E-02	1.529E-01
5.50E-01----1.11E 00	2.536E-02	2.627E-02	2.852E-02	3.024E-02	3.195E-02	3.353E-02	3.481E-02	3.561E-02	3.208E-01
1.11E-01----5.50E-01	2.116E-01	2.235E-01	2.364E-01	2.303E-01	2.364E-01	2.417E-01	2.457E-01	2.624E-00	2.624E-00
3.35E-02----1.11E-01	2.099E-01	2.165E-01	2.194E-01	2.042E-01	2.128E-01	2.163E-01	2.188E-01	2.203E-01	2.434E-00
5.83E-04----3.35E-02	1.948E-01	1.958E-01	1.958E-01	1.948E-01	1.948E-01	1.948E-01	1.948E-01	1.948E-01	1.948E-01
1.01E-04----5.83E-04	1.258E-01	1.258E-01	1.315E-01	1.341E-01	1.341E-01	1.386E-01	1.401E-01	1.401E-01	1.572E-02
2.90E-05----1.01E-04	5.683E-01	5.804E-01	5.924E-01	6.038E-01	6.140E-01	6.226E-01	6.325E-01	6.325E-01	7.099E-02
1.07E-05----2.90E-05	1.718E-02	1.754E-02	1.789E-02	1.823E-02	1.854E-02	1.879E-02	1.898E-02	1.908E-02	2.146E-03
3.06E-06----1.07E-05	4.786E-02	4.833E-02	4.980E-02	5.071E-02	5.153E-02	5.221E-02	5.272E-02	5.302E-02	5.979E-03
1.12E-06----3.06E-06	1.319E-03	1.345E-03	1.371E-03	1.417E-03	1.435E-03	1.465E-03	1.497E-03	1.527E-03	1.648E-04
4.14E-07----1.12E-06	2.962E-03	3.00E-03	3.076E-03	3.130E-03	3.178E-03	3.218E-03	3.247E-03	3.264E-03	3.702E-04
0.0	4.403E-07	4.481E-03	4.558E-03	4.631E-03	4.696E-03	4.748E-03	4.78E-03	4.806E-03	5.505E-04

4 PI R**2 FLUENCE AT 1200.0 METERS

10.00 TO 12.20 MEV NEUTRON SOURCE

(NEUTRONS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=-1.0000	ANGLE 2 MU=-0.9894	ANGLE 3 MU=-0.9446	ANGLE 4 MU=-0.8656	ANGLE 5 MU=-0.7520	ANGLE 6 MU=-0.6179	ANGLE 7 MU=-0.4580	ANGLE 8 MU=-0.2816	ANGLE 9 MU=-0.0950
1.22E 01----1.50E 01	0.0	0.0	-4.138E-06	-9.451E-07	1.557E-06	3.281E-06	1.040E-06	-1.536E-07	1.312E-06
1.00E 01----1.22E 01	-5.41E-06	1.868E-05	1.933E-05	2.062E-05	2.307E-05	2.802E-05	3.712E-05	5.147E-05	7.077E-05
8.19E 00----1.00E 01	1.852E-05	7.112E-05	6.930E-05	7.160E-05	7.810E-05	9.172E-05	1.106E-04	1.347E-04	1.502E-04
6.36E 00----8.19E 00	1.151E-05	1.341E-04	1.343E-04	1.400E-04	1.490E-04	1.644E-04	1.864E-04	2.149E-04	2.502E-04
4.97E 00----6.36E 00	1.341E-04	2.339E-04	2.349E-04	2.468E-04	2.582E-04	2.739E-04	2.948E-04	3.224E-04	3.595E-04
4.07E 00----4.97E 00	2.339E-04	2.393E-04	2.699E-04	2.721E-04	2.766E-04	2.877E-04	2.981E-04	3.190E-04	3.502E-04
3.01E 00----4.07E 00	2.688E-04	4.380E-04	4.434E-04	4.523E-04	4.670E-04	4.933E-04	5.259E-04	5.792E-04	6.576E-04
2.46E 00----3.01E 00	4.380E-04	6.533E-04	6.570E-04	6.917E-04	7.282E-04	7.423E-04	8.618E-04	9.744E-04	1.134E-03
2.35E 00----2.46E 00	6.533E-04	7.888E-04	7.919E-04	8.052E-04	8.310E-04	9.278E-04	1.007E-03	1.113E-03	1.255E-03
1.82E 00----2.35E 00	1.227E-03	1.231E-03	1.244E-03	1.281E-03	1.331E-03	1.411E-03	1.494E-03	1.614E-03	1.766E-03
1.11E 00----1.83E 00	1.83E 00	3.090E-03	3.133E-03	3.213E-03	3.334E-03	3.499E-03	3.716E-03	3.994E-03	4.342E-03
5.50E-01----1.11E 00	3.080E-03	8.426E-03	8.446E-03	8.531E-03	8.687E-03	8.914E-03	9.217E-03	9.595E-03	1.005E-02
1.11E-01----5.50E-01	8.426E-03	8.474E-02	8.512E-02	8.407E-02	8.454E-02	8.497E-02	8.932E-02	9.475E-02	9.475E-02
3.35E-02----1.11E-01	8.474E-02	8.070E-02	8.079E-02	8.120E-02	8.194E-02	8.299E-02	8.435E-02	8.597E-02	8.786E-02
5.83E-04----3.35E-02	8.070E-02	5.324E-00	5.330E-00	5.356E-00	5.402E-00	5.467E-00	5.531E-00	5.652E-00	5.769E-00
1.01E-04----5.83E-04	5.83E-04	2.440E-01	2.443E-01	2.454E-01	2.474E-01	2.540E-01	2.584E-01	2.635E-01	2.691E-01
2.90E-05----1.01E-04	1.01E-04	7.429E-01	7.447E-01	7.480E-01	7.541E-01	7.628E-01	7.738E-01	7.871E-01	8.193E-01
1.07E-05----2.90E-05	2.90E-05	2.096E-02	2.107E-02	2.124E-02	2.148E-02	2.178E-02	2.215E-02	2.257E-02	2.303E-02
3.06E-06----1.07E-05	2.096E-02	5.829E-02	5.835E-02	5.860E-02	5.906E-02	5.970E-02	6.053E-02	6.153E-02	6.267E-02
1.12E-06----3.06E-06	5.829E-02	1.320E-03	1.322E-03	1.327E-03	1.337E-03	1.352E-03	1.370E-03	1.392E-03	1.418E-03
4.14E-07----1.12E-06	1.320E-03	1.995E-03	2.003E-03	2.018E-03	2.038E-03	2.064E-03	2.094E-03	2.128E-03	2.165E-03
0.0 ----4.14E-07	1.995E-03	2.003E-03	2.018E-03	2.038E-03	2.064E-03	2.094E-03	2.128E-03	2.165E-03	2.165E-03
ENERGY GROUP (MEV)	ANGLE 10 MU= 0.0950	ANGLE 11 MU= 0.2816	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9466	ANGLE 17 MU= 0.9894	SCALAR FLUX
1.22E 01----1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01----1.22E 01	1.614E-05	2.177E-05	2.785E-05	6.936E-05	1.655E-04	4.313E-04	1.110E-03	4.232E-03	1.711E-03
8.19E 00----1.00E 01	9.388E-05	1.218E-04	1.633E-04	2.437E-04	4.166E-04	7.693E-04	1.602E-03	2.946E-03	2.946E-03
6.36E 00----8.19E 00	1.643E-04	2.056E-04	2.698E-04	3.826E-04	5.874E-04	9.775E-04	1.625E-03	2.936E-03	3.843E-03
4.97E 00----6.36E 00	2.953E-04	4.520E-04	5.998E-04	8.325E-04	1.194E-03	1.749E-03	2.628E-03	5.478E-03	5.478E-03
4.07E 00----4.97E 00	4.108E-04	5.487E-04	7.415E-04	9.586E-04	1.266E-03	1.680E-03	2.262E-03	5.744E-03	6.764E-03
3.01E 00----4.07E 00	3.955E-04	4.556E-04	6.687E-04	8.264E-04	1.025E-03	1.262E-03	1.516E-03	6.120E-03	6.120E-03
2.46E 00----3.01E 00	7.718E-04	9.372E-04	1.176E-03	1.524E-03	2.030E-03	2.774E-03	3.883E-03	5.652E-03	1.376E-02
2.35E 00----2.46E 00	1.361E-03	1.688E-03	2.167E-03	2.882E-03	3.967E-03	5.654E-03	8.668E-03	1.316E-02	2.605E-02
1.93E 00----2.35E 00	1.442E-03	1.687E-03	2.070E-03	2.619E-03	3.602E-03	4.401E-03	5.319E-03	1.2149E-02	2.152E-02
1.11E 00----1.93E 00	1.956E-03	2.188E-03	2.470E-03	2.803E-03	3.183E-03	3.595E-03	3.998E-03	4.314E-03	2.640E-02
5.50E-01----1.11E 00	4.769E-03	5.287E-03	5.903E-03	6.611E-03	7.411E-03	8.247E-03	9.034E-03	9.611E-03	6.342E-02
1.11E-01----5.50E-01	1.121E-02	1.190E-02	1.253E-02	1.343E-02	1.419E-02	1.489E-02	1.545E-02	1.580E-02	1.418E-01
3.35E-02----1.11E-01	9.786E-02	1.011E-01	1.055E-01	1.077E-01	1.107E-01	1.133E-01	1.152E-01	1.163E-01	1.223E-00
5.82E-04----3.35E-02	9.221E-02	9.454E-02	9.687E-02	9.910E-02	1.011E-01	1.028E-01	1.041E-01	1.048E-01	1.152E-00
1.83E 00----5.82E-04	1.01E-01	1.07E-01	1.13E-01	1.19E-01	1.25E-01	1.31E-01	1.37E-01	1.43E-01	1.52E-01
2.90E-05----1.01E-01	2.751E-01	2.813E-01	2.874E-01	2.932E-01	2.985E-01	3.028E-01	3.060E-01	3.079E-01	3.436E-01
1.07E-05----2.90E-05	8.374E-01	8.559E-01	8.744E-01	8.919E-01	9.075E-01	9.206E-01	9.303E-01	9.358E-01	1.046E-01
3.06E-06----1.07E-05	2.353E-02	2.404E-02	2.554E-02	2.502E-02	2.545E-02	2.607E-02	2.581E-02	2.622E-02	2.939E-03
1.12E-06----3.06E-06	6.527E-02	6.665E-02	6.802E-02	6.931E-02	7.047E-02	7.143E-02	7.214E-02	7.255E-02	8.153E-03
4.14E-07----1.12E-06	1.475E-03	1.506E-03	1.536E-03	1.590E-03	1.611E-03	1.636E-03	1.643E-03	1.653E-03	1.843E-04
0.0 ----4.14E-07	2.206E-03	2.248E-03	2.289E-03	2.329E-03	2.363E-03	2.391E-03	2.412E-03	2.442E-03	2.757E-04

4 PI R**2 FLUENCE AT 1500.0 METERS

10.00 TO 12.20 MEV NEUTRON SOURCE

(NEUTRONS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=-1.0000	ANGLE 2 MU=-0.9894	ANGLE 3 MU=-0.9446	ANGLE 4 MU=-0.8656	ANGLE 5 MU=-0.7550	ANGLE 6 MU=-0.6179	ANGLE 7 MU=-0.4580	ANGLE 8 MU=-0.2816	ANGLE 9 MU=0.0950
1.22E 01----1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01----1.22E 01	-1.01E-06	-8.100E-07	-6.679E-07	-5.516E-07	-6.764E-07	-2.880E-07	-1.592E-07	-1.700E-07	-1.700E-07
8.19E 00----1.00E 01	4.036E-06	4.121E-06	4.434E-06	4.920E-06	5.589E-06	6.759E-06	8.913E-06	1.246E-05	1.39E-05
6.36E 00----8.19E 00	1.922E-05	1.903E-05	1.911E-05	2.010E-05	2.232E-05	2.671E-05	3.267E-05	6.026E-05	6.026E-05
4.97E 00----6.36E 00	4.319E-05	4.375E-05	4.522E-05	4.832E-05	5.422E-05	6.834E-05	7.935E-05	7.935E-05	7.935E-05
4.07E 00----4.97E 00	7.818E-05	7.851E-05	7.989E-05	8.251E-05	8.634E-05	9.164E-05	9.864E-05	1.080E-04	1.080E-04
3.01E 00----4.07E 00	8.909E-05	8.940E-05	9.007E-05	9.149E-05	9.422E-05	9.851E-05	1.054E-04	1.158E-04	1.158E-04
2.46E 00----3.01E 00	1.422E-04	1.429E-04	1.445E-04	1.476E-04	1.527E-04	1.607E-04	1.733E-04	1.919E-04	2.192E-04
2.35E 00----2.46E 00	2.151E-04	2.161E-04	2.204E-04	2.288E-04	2.420E-04	2.617E-04	2.899E-04	3.300E-04	3.869E-04
1.83E 00----2.35E 00	2.713E-04	2.724E-04	2.772E-04	2.865E-04	3.007E-04	3.222E-04	3.493E-04	3.873E-04	4.378E-04
1.11E 00----1.83E 00	4.308E-04	4.322E-04	4.383E-04	4.500E-04	4.677E-04	4.925E-04	5.256E-04	5.683E-04	6.224E-04
5.50E-01----1.11E 00	5.50E-01	3.199E-03	1.138E-03	1.168E-03	1.222E-03	1.240E-03	1.275E-03	1.459E-03	1.689E-03
1.11E-01----5.50E-01	3.207E-03	3.240E-03	3.301E-03	3.389E-03	3.437E-03	3.506E-03	3.653E-03	3.831E-03	4.041E-03
3.35E-02----1.11E-01	3.245E-02	3.250E-02	3.271E-02	3.310E-02	3.365E-02	3.437E-02	3.524E-02	3.626E-02	3.741E-02
5.83E-04----3.35E-02	3.207E-02	3.211E-02	3.228E-02	3.258E-02	3.301E-02	3.366E-02	3.423E-02	3.500E-02	3.576E-02
1.01E-04----5.83E-04	2.134E-00	2.126E-00	2.147E-00	2.166E-00	2.193E-00	2.228E-00	2.269E-00	2.317E-00	2.371E-00
2.90E-05----1.01E-04	9.834E-00	9.845E-00	9.891E-00	9.975E-00	1.009E-00	1.025E-00	1.043E-00	1.064E-00	1.088E-00
1.07E-05----2.90E-05	3.011E-01	3.014E-01	3.028E-01	3.053E-01	3.089E-01	3.136E-01	3.191E-01	3.256E-01	3.326E-01
3.06E-05----1.07E-05	3.526E-01	8.525E-01	8.574E-01	8.645E-01	8.745E-01	8.874E-01	9.028E-01	9.401E-01	9.401E-01
1.12E-06----3.06E-06	2.381E-02	2.383E-02	2.394E-02	2.413E-02	2.441E-02	2.476E-02	2.518E-02	2.566E-02	2.620E-02
4.14E-07----1.12E-06	5.443E-02	5.419E-02	5.443E-02	5.486E-02	5.547E-02	5.623E-02	5.719E-02	5.827E-02	5.945E-02
C.0. ----4.14E-07	8.204E-02	8.213E-02	8.248E-02	8.311E-02	8.394E-02	8.505E-02	8.634E-02	8.780E-02	8.941E-02
ENERGY GROUP (MEV)	ANGLE 10 MU= 0.0950	ANGLE 11 MU= 0.2816	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9894	SCALAR FLUX
1.22E 01----1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01----1.22E 01	3.856E-06	6.123E-06	9.305E-06	1.764E-05	4.202E-05	1.050E-04	2.606E-04	8.418E-04	3.311E-04
8.19E 00----1.00E 01	2.348E-05	3.104E-05	4.279E-05	6.636E-05	1.180E-04	2.299E-04	4.672E-04	1.050E-03	8.234E-04
6.36E 00----8.19E 00	4.981E-05	1.89E-05	1.845E-05	1.229E-04	1.935E-04	2.202E-04	3.201E-04	9.587E-04	1.230E-03
4.97E 00----6.36E 00	9.755E-05	1.89E-04	1.514E-04	2.038E-04	4.083E-04	5.931E-04	8.598E-04	1.833E-03	2.664E-03
4.07E 00----4.97E 00	1.381E-04	1.630E-04	1.990E-04	2.509E-04	3.242E-04	4.248E-04	5.543E-04	7.047E-04	2.000E-03
3.01E 00----4.07E 00	1.308E-04	1.308E-04	1.811E-04	2.199E-04	3.304E-04	3.982E-04	5.137E-04	1.866E-03	4.652E-03
2.46E 00----3.01E 00	2.591E-04	3.170E-04	4.008E-04	5.227E-04	6.996E-04	9.566E-04	1.327E-03	3.084E-03	4.797E-03
2.35E 00----2.46E 00	4.681E-04	5.859E-04	7.602E-04	1.024E-03	1.429E-03	2.065E-03	2.505E-03	4.221E-03	7.89E-03
1.83E 00----2.35E 00	5.044E-04	5.920E-04	7.054E-04	8.508E-04	1.034E-03	1.256E-03	1.518E-03	1.784E-03	1.784E-03
1.11E 00----1.83E 00	6.896E-04	7.718E-04	8.707E-04	9.868E-04	1.117E-03	1.210E-03	1.256E-03	1.481E-03	9.255E-03
5.50E 01----1.11E 00	1.740E-03	1.941E-03	2.170E-03	2.433E-03	2.725E-03	3.066E-03	3.303E-03	3.498E-03	2.222E-02
1.11E-01----5.50E-01	4.281E-03	4.549E-03	4.838E-03	5.138E-03	5.433E-03	5.700E-03	5.913E-03	6.043E-03	5.412E-02
3.35E-02----1.11E-01	3.867E-02	4.000E-02	4.135E-02	4.266E-02	4.387E-02	4.490E-02	4.567E-02	4.612E-02	4.833E-01
5.83E-04----3.35E-02	3.678E-02	3.773E-02	3.868E-02	3.959E-02	4.041E-02	4.110E-02	4.161E-02	4.191E-02	4.592E-01
1.01E-04----5.83E-04	2.428E-00	2.487E-00	2.545E-00	2.601E-00	2.652E-00	2.694E-00	2.725E-00	2.742E-00	3.02E-01
2.90E-05----1.01E-04	1.113E-01	1.138E-01	1.164E-01	1.188E-01	1.210E-01	1.228E-01	1.241E-01	1.249E-01	1.89E-02
1.07E-05----2.90E-05	3.402E-01	3.479F-01	3.557E-01	3.630E-01	3.696E-01	3.750E-01	3.791E-01	3.814E-01	4.248E-02
3.06E-06----1.07E-05	9.610E-01	9.824E-01	1.004E-02	1.042E-02	1.057E-02	1.075E-02	1.075E-02	1.200E-03	1.200E-03
1.12E-06----3.06E-06	2.677E-02	2.735E-02	2.793E-02	2.848E-02	2.897E-02	2.938E-02	2.968E-02	2.985E-02	3.33E-03
4.14E-07----1.12E-06	6.202E-02	6.331E-02	6.453E-02	6.561E-02	6.719E-02	6.911E-02	7.077E-02	7.384E-03	7.384E-03
0.0. ----4.14E-07	9.295E-02	9.473E-02	9.915E-02	9.95E-02	9.911E-02	9.790E-02	9.998E-02	1.005E-03	1.139E-04

4 PI R**2 FLUENCE AT 1800.0 METERS

10.00 TO 12.20 MEV NEUTRON SOURCE

(NEUTRONS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=-0.5894	ANGLE 2 MU=-0.8656	ANGLE 3 MU=-0.7550	ANGLE 4 MU=-0.6179	ANGLE 5 MU=-0.4580	ANGLE 6 MU=-0.2816	ANGLE 7 MU=-0.0950	ANGLE 8 MU=-0.2816	ANGLE 9 MU=-0.0950
1.22E 01---1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01---1.22E 01	-1.970E-07	-1.574E-07	-2.965E-08	-1.379E-07	6.217E-08	1.779E-07	4.276E-07	4.181E-06	4.158E-05
8.19E 00---1.00E 01	8.566E-07	8.860E-07	9.925E-07	1.143E-06	1.582E-06	2.082E-06	2.942E-06	1.523E-05	2.575E-05
6.36E 00---8.19E 00	5.083E-06	5.070E-06	5.053E-06	5.363E-06	5.485E-06	6.245E-06	7.514E-06	9.299E-06	9.221E-05
4.97E 00---6.36E 00	1.328E-05	1.330E-05	1.346E-05	1.394E-05	1.494E-05	1.661E-05	1.897E-05	2.000E-05	2.420E-05
4.07E 00---4.97E 00	2.474E-05	2.480E-05	2.801E-05	2.808E-05	2.929E-05	2.872E-05	2.953E-05	3.123E-05	3.420E-05
3.01E 00---4.07E 00	2.800E-05	2.801E-05	2.808E-05	4.436E-05	4.588E-05	4.757E-05	5.023E-05	5.428E-05	6.035E-05
2.46E 00---3.01E 00	4.424E-05	4.424E-05	4.486E-05	6.908E-05	7.62E-05	8.286E-05	9.221E-05	1.055E-05	1.244E-04
2.35E 00---2.46E 00	6.728E-05	6.762E-05	7.612E-05	7.929E-05	9.292E-05	9.769E-05	1.139E-04	1.453E-04	1.433E-04
1.83E 00---2.35E 00	8.781E-05	8.930E-05	8.930E-05	8.781E-05	8.480E-04	1.442E-04	1.480E-04	1.539E-04	1.622E-04
1.11E 00---1.83E 00	1.417E-04	1.422E-04	1.422E-04	3.779E-04	3.833E-04	4.090E-04	4.302E-04	4.779E-04	5.378E-04
5.50E-01---1.11E 00	3.766E-04	3.779E-04	3.779E-04	1.113E-03	1.125E-03	1.146E-03	1.177E-03	1.219E-03	1.407E-03
1.11E-01---5.50E-01	1.110E-03	1.110E-03	1.110E-03	1.154E-02	1.163E-02	1.177E-02	1.197E-02	1.223E-02	1.292E-02
3.35E-02---1.11E-01	1.154E-02	1.156E-02	1.167E-02	1.148E-02	1.156E-02	1.167E-02	1.182E-02	1.202E-02	1.255E-02
5.83E-04---3.35E-02	3.35E-02	1.148E-02	1.148E-02	7.680E-01	7.689E-01	7.728E-01	7.797E-01	8.023E-01	8.176E-01
1.01E-04---5.83E-04	5.83E-04	3.552E-00	3.556E-00	3.573E-00	3.604E-00	3.648E-00	3.704E-00	3.772E-00	3.850E-00
2.90E-05---1.01E-04	3.552E-00	1.050E-01	1.052E-01	1.097E-01	1.106E-01	1.120E-01	1.137E-01	1.157E-01	1.207E-01
1.07E-05---2.90E-05	1.050E-01	3.099E-01	3.102E-01	3.143E-01	3.171E-01	3.180E-01	3.228E-01	3.258E-01	3.423E-01
3.06E-06---1.07E-05	3.099E-01	8.675E-01	8.685E-01	8.725E-01	8.796E-01	8.898E-01	9.029E-01	9.186E-01	9.564E-01
1.12E-06---3.06E-06	8.675E-01	8.675E-01	8.698E-02	1.979E-02	2.004E-02	2.027E-02	2.057E-02	2.092E-02	2.132E-02
4.14E-07---1.12E-06	1.977E-02	3.005E-02	3.008E-02	3.022E-02	3.045E-02	3.077E-02	3.113E-02	3.166E-02	3.221E-02
0.0 ---4.14E-07	3.005E-02								
ENERGY GROUP (MEV)	ANGLE 10 MU= 0.0950	ANGLE 11 MU= 0.2816	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9894	SCALAR FLUX
1.22E 01---1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01---1.22E 01	8.833E-07	1.404E-06	2.199E-06	4.707E-06	1.008E-05	2.470E-05	5.986E-05	1.677E-04	8.415E-05
8.19E 00---1.00E 01	5.747E-06	7.747E-06	1.097E-05	1.773E-05	3.241E-05	6.423E-05	1.307E-04	2.830E-04	2.215E-04
6.36E 00---8.19E 00	1.448E-05	1.448E-05	2.528E-05	3.777E-05	6.069E-05	9.114E-05	1.739E-04	2.972E-04	3.768E-04
4.97E 00---6.36E 00	3.098E-05	3.746E-05	4.802E-05	6.479E-05	9.114E-05	1.313E-04	1.993E-04	2.669E-04	5.800E-04
4.07E 00---4.97E 00	4.385E-05	5.188E-05	6.346E-05	8.006E-05	1.033E-04	1.345E-04	1.732E-04	2.142E-04	7.163E-04
3.01E 00---4.07E 00	4.107E-05	5.677E-05	6.817E-05	8.387E-05	8.387E-05	8.387E-05	8.387E-05	1.377E-04	6.227E-04
2.46E 00---3.01E 00	8.233E-05	1.013E-05	1.167E-05	1.587E-04	2.2665E-04	3.093E-04	4.268E-04	5.841E-04	1.685E-03
2.35E 00---2.46E 00	1.514E-04	1.909E-04	2.498E-04	3.398E-04	4.779E-04	7.017E-04	1.056E-03	1.631E-03	3.057E-03
1.83E 00---2.35E 00	1.666E-04	1.946E-04	2.323E-04	2.033E-04	3.423E-04	5.681E-04	8.401E-04	2.450E-03	2.450E-03
1.11E 00---1.83E 00	2.274E-04	2.546E-04	2.872E-04	3.251E-04	4.113E-04	4.517E-04	4.801E-04	3.051E-03	1.093E-01
5.50E-01---1.11E 00	5.942E-04	6.584E-04	7.364E-04	8.291E-04	9.244E-04	1.025E-03	1.116E-03	1.179E-03	7.616E-03
1.11E-01---5.50E-01	1.491E-03	1.586E-03	1.687E-03	1.792E-03	1.895E-03	1.988E-03	2.062E-03	2.107E-03	1.885E-02
2.46E 00---1.11E 00	1.379E-02	1.427E-02	1.475E-02	1.523E-02	1.566E-02	1.621E-02	1.631E-02	1.647E-02	1.722E-01
2.35E 00---2.46E 00	1.19E-02	1.254E-02	1.389E-02	1.451E-02	1.476E-02	1.575E-02	1.586E-02	1.596E-02	1.647E-01
1.83E 00---2.35E 00	8.973E-01	9.188E-01	9.392E-01	9.576E-01	9.730E-01	9.843F-01	9.909E-01	1.093E-01	
1.11E 00---1.83E 00	4.122E-00	4.028E-00	4.066E-00	4.386E-00	4.453E-00	4.530E-00	4.602E-00	5.029E-00	5.029E-01
5.50E-01---1.11E 00	5.942E-04	6.584E-04	7.364E-04	8.291E-04	9.244E-04	1.025E-03	1.116E-03	1.179E-03	7.616E-03
1.11E-01---5.50E-01	1.491E-03	1.586E-03	1.687E-03	1.792E-03	1.895E-03	1.988E-03	2.062E-03	2.107E-03	1.885E-02
3.35E-02---1.11E 00	1.11E-01	1.379E-02	1.427E-02	1.475E-02	1.523E-02	1.566E-02	1.621E-02	1.631E-02	1.722E-01
5.83E-04---3.35E-02	1.35E-02	1.254E-02	1.389E-02	1.451E-02	1.476E-02	1.575E-02	1.586E-02	1.596E-02	1.647E-01
1.01E-04---5.83E-04	8.757E-01	8.973E-01	9.188E-01	9.392E-01	9.576E-01	9.730E-01	9.843F-01	9.909E-01	1.093E-01
2.90E-05---1.01E-04	4.028E-00	4.122E-00	4.216E-00	4.386E-00	4.453E-00	4.530E-00	4.602E-00	5.029E-00	5.029E-01
1.07E-05---2.90E-05	1.235E-01	1.264E-01	1.292E-01	1.319E-01	1.344E-01	1.364E-01	1.379E-01	1.387E-01	1.542E-02
3.06E-06---1.07E-05	3.501E-01	3.581E-01	3.660E-01	3.725E-01	3.802E-01	3.858E-01	3.923E-01	4.371E-02	
1.12E-06---3.06E-06	9.766E-01	9.994E-01	1.021E-02	1.041E-02	1.060E-02	1.075E-02	1.093E-02	1.221E-03	
4.14E-07---1.12E-06	2.233E-02	2.297E-02	2.322E-02	2.366E-02	2.406E-02	2.457E-02	2.477E-02	2.777E-03	
0.0 ---4.14E-07	3.346E-02	3.413E-02	3.481E-02	3.544E-02	3.617E-02	3.677E-02	3.744E-02	3.896E-02	4.182E-03

4 PI R**2 FLUENCE AT 75.0 METERS

10.00 TO 12.20 MEV NEUTRON SOURCE

\GAMMAS/MEV/STERADIANS/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
8.00E 00---1.00E 01	MU=-0.9894	MU=-0.9446	MU=-0.8656	MU=-0.7550	MU=-0.6179	MU=-0.4580	MU=-0.2816	MU=-0.0950	MU=0.0950
1.143E-04	1.149E-04	1.174E-04	1.222E-04	1.294E-04	1.393E-04	1.526E-04	1.706E-04	1.950E-04	1.950E-04
5.968E-04	6.002E-04	6.137E-04	6.397E-04	6.778E-04	7.297E-04	7.991E-04	8.924E-04	1.019E-03	1.019E-03
2.056E-03	2.056E-03	2.155E-03	2.205E-03	2.334E-03	2.707E-03	2.735E-03	3.040E-03	3.451E-03	3.451E-03
1.370E-03	1.382E-03	1.424E-03	1.502E-03	1.605E-03	1.733E-03	1.896E-03	2.111E-03	2.404E-03	2.404E-03
1.026E-03	1.036E-03	1.071E-03	1.133E-03	1.214E-03	1.311E-03	1.433E-03	1.594E-03	1.813E-03	1.813E-03
3.00E 00---4.00E 00	3.081E-03	3.101E-03	3.177E-03	3.319E-03	3.519E-03	3.784E-03	4.132E-03	4.600E-03	5.235E-03
2.00E 00---2.50E 00	2.351E-03	3.272E-03	3.455E-03	3.609E-03	3.826E-03	4.110E-03	4.486E-03	4.990E-03	5.676E-03
1.66E 00---2.00E 00	3.209E-03	3.226E-03	3.292E-03	3.420E-03	3.611E-03	3.876E-03	4.236E-03	4.725E-03	5.389E-03
1.33E 00---1.66E 00	4.140E-03	4.154E-03	4.215E-03	4.345E-03	4.559E-03	4.881E-03	5.337E-03	5.960E-03	6.800E-03
1.00E 00---1.33E 00	1.924E-03	1.917E-03	1.898E-03	1.895E-03	1.947E-03	2.087E-03	2.322E-03	2.652E-03	3.088E-03
8.00E-01---1.00E 00	1.311E-03	1.307E-03	1.301E-03	1.314E-03	1.377E-03	1.511E-03	1.718E-03	1.997E-03	2.368E-03
6.00E-01---8.00E-01	3.120E-03	3.164E-03	3.226E-03	3.326E-03	3.603E-03	3.945E-03	4.325E-03	4.801E-03	6.317E-03
4.00E-01---6.00E-01	6.493E-03	6.683E-03	6.898E-03	7.068E-03	7.698E-03	8.420E-03	9.666E-03	1.078E-03	1.151E-02
3.00E-01---4.00E-01	8.867E-03	8.898E-03	9.057E-03	9.476E-03	1.028E-02	1.155E-02	1.324E-02	1.524E-02	1.738E-02
2.00E-01---3.00E-01	3.033E-02	3.042E-02	3.077E-02	3.135E-02	3.205E-02	3.279E-02	3.554E-02	3.439E-02	3.543E-02
1.00E-01---2.00E-01	5.954E-02	5.961E-02	5.989E-02	6.044E-02	6.127E-02	6.239E-02	6.567E-02	6.788E-02	6.788E-02
5.00E-02---1.00E-01	1.163E-01	1.164E-01	1.168E-01	1.176E-01	1.187E-01	1.202E-01	1.221E-01	1.243E-01	1.268E-01
2.00E-02---5.00E-02	3.166E-02	3.166E-02	3.172E-02	3.183E-02	3.198E-02	3.217E-02	3.244E-02	3.269E-02	3.300E-02
ENERGY GROUP (MEV)	ANGLE 11	ANGLE 12	ANGLE 13	ANGLE 14	ANGLE 15	ANGLE 16	ANGLE 17	SCALAR	FLUX
8.00E 00---1.00E 01	MU= 0.2816	MU= 0.4580	MU= 0.6179	MU= 0.7550	MU= 0.8656	MU= 0.9446	MU= 0.994	2.385E-03	4.508E-03
3.209E-04	2.504E-04	5.104E-04	3.999E-04	5.345E-04	8.987E-04	1.528E-03	2.300E-02	2.300E-02	2.300E-02
6.500E 00---8.00E 00	1.232E-03	2.672E-03	2.669E-03	2.098E-03	2.776E-03	4.544E-03	7.869E-03	1.726E-02	7.446E-02
5.00E 00---6.50E 00	4.134E-03	5.572E-03	6.685E-03	6.965E-03	9.125E-03	1.535E-02	2.468E-02	2.703E-02	5.274E-02
4.00E 00---5.00E 00	2.896E-03	3.933E-03	4.731E-03	4.912E-03	6.491E-03	1.102E-02	1.784E-02	2.703E-02	5.738E-02
3.00E 00---4.00E 00	2.027E-03	3.814E-03	3.43E-03	3.592E-03	4.897E-03	8.123E-03	1.290E-02	3.938E-02	3.938E-02
2.50E 00---3.00E 00	6.303E-03	1.146E-02	9.181E-03	1.022E-02	1.395E-02	2.397E-02	3.892E-02	5.895E-02	1.165E-01
2.00E 00---2.50E 00	6.822E-03	9.256E-03	1.112E-02	1.152E-02	1.522E-02	2.572E-02	4.138E-02	6.212E-02	1.237E-01
1.66E 00---2.00E 00	6.490E-03	8.801E-03	1.060E-02	1.111E-02	1.477E-02	2.480E-02	3.955E-02	5.883E-02	1.181E-01
1.33E 00---1.66E 00	8.185E-03	1.110E-02	1.338E-02	1.407E-02	1.871E-02	3.121E-02	4.729E-02	7.296E-02	1.487E-01
1.00E 00---1.33E 00	5.628E-03	4.724E-03	5.848E-03	7.104E-03	1.009E-02	1.550E-02	2.226E-02	3.001E-02	7.090E-02
8.00E-01---1.00E 00	2.921E-03	3.798E-03	4.779E-03	6.010E-03	8.613E-03	1.186E-02	1.323E-02	1.608E-02	5.127E-02
6.00E-01---8.00E-01	1.171E-02	9.882E-03	1.212E-02	1.408E-02	1.860E-02	2.707E-02	3.785E-02	5.125E-02	1.357E-01
4.00E-01---6.00E-01	1.359E-02	1.622E-02	1.872E-02	2.130E-02	2.628E-02	3.223E-02	3.631E-02	4.064E-02	1.905E-01
3.00E-01---4.00E-01	1.958E-02	2.189E-02	2.391E-02	2.600E-02	3.005E-02	3.476E-02	3.622E-02	4.081E-02	2.556E-01
2.00E-01---3.00E-01	3.692E-02	3.910E-02	4.122E-02	4.344E-02	4.862E-02	5.559E-02	6.503E-02	4.880E-01	4.880E-01
1.00E-01---2.00E-01	7.051E-02	7.362E-02	7.708E-02	8.078E-02	8.499E-02	9.633E-02	9.359E-02	9.586E-02	8.997E-01
5.00E-02---1.00E-01	1.296E-01	1.326E-01	1.358E-01	1.389E-01	1.420E-01	1.450E-01	1.472E-01	1.490E-01	1.627E-00
2.00E-02---5.00E-02	3.3334E-02	3.370E-02	3.406E-02	3.4461E-02	3.473E-02	3.502E-02	3.522E-02	3.531E-02	4.182E-01

4 PI R**2 FLUENCE AT 150.0 METERS

10.00 TO 12.20 MEV NEUTRON SOURCE

(GAMMAS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
8.00E-00 --- 1.00E 01	MU=-1.0000	MU=-0.9894	MU=-0.9466	MU=-0.8656	MU=-0.7550	MU=-0.6179	MU=-0.4580	MU=-0.2816	MU=-0.0950
8.00E-00 --- 8.00E 00	1.199E-04	1.243E-04	1.308E-04	1.399E-04	1.479E-04	1.567E-04	1.659E-04	1.759E-04	1.858E-04
6.50E-00 --- 6.50E 00	6.264E-04	6.317E-04	6.519E-04	6.881E-04	7.386E-04	8.024E-04	8.858E-04	9.958E-04	1.159E-04
5.00E-00 --- 5.00E 00	2.358E-03	2.380E-03	2.461E-03	2.605E-03	2.794E-03	3.025E-03	3.320E-03	3.719E-03	4.276E-03
4.00E-00 --- 4.00E 00	1.448E-03	1.473E-03	1.565E-03	1.715E-03	1.884E-03	2.060E-03	2.258E-03	2.512E-03	2.912E-03
3.00E-00 --- 4.00E 00	1.141E-03	1.164E-03	1.246E-03	1.377E-03	1.520E-03	1.662E-03	1.81E-03	2.029E-03	2.339E-03
2.50E-00 --- 3.00E 00	3.320E-03	3.344E-03	3.481E-03	3.701E-03	3.978E-03	4.309E-03	4.628E-03	5.020E-03	5.302E-03
2.00E-00 --- 2.50E 00	3.724E-03	3.751E-03	3.899E-03	4.137E-03	4.435E-03	4.725E-03	5.254E-03	5.889E-03	6.790E-03
1.66E-00 --- 2.00E 00	3.640E-03	3.662E-03	3.750E-03	3.916E-03	4.153E-03	4.482E-03	4.939E-03	5.578E-03	6.466E-03
1.33E-00 --- 1.66E 00	4.819E-03	4.825E-03	4.859E-03	4.922E-03	5.186E-03	5.581E-03	6.192E-03	7.020E-03	8.148E-03
1.00E-00 --- 1.33E 00	2.662E-03	2.662E-03	2.698E-03	2.866E-03	2.367E-03	2.581E-03	3.005E-03	3.584E-03	4.303E-03
8.00E-01 --- 1.00E 00	2.020E-03	2.040E-03	2.077E-03	2.194E-03	2.051E-03	2.155E-03	2.755E-03	3.319E-03	4.077E-03
6.00E-01 --- 8.00E-01	3.633E-03	3.538E-03	3.915E-03	4.513E-03	5.146E-03	5.764E-03	6.400E-03	7.359E-03	8.967E-03
4.00E-01 --- 6.00E-01	1.085E-02	1.038E-02	1.125E-02	1.183E-02	1.267E-02	1.389E-02	1.577E-02	1.863E-02	2.269E-02
3.00E-01 --- 4.00E-01	1.545E-02	1.519E-02	1.587E-02	1.690E-02	1.923E-02	2.290E-02	2.780E-02	3.343E-02	3.917E-02
2.00E-01 --- 3.00E-01	6.393E-02	6.419E-02	6.515E-02	6.672E-02	6.848E-02	7.019E-02	7.183E-02	7.362E-02	7.597E-02
1.00E-01 --- 2.00E-01	1.516E-01	1.518E-01	1.528E-01	1.574E-01	1.612E-01	1.662E-01	1.724E-01	1.800E-01	1.880E-01
5.00E-02 --- 1.00E-01	3.455E-01	3.459E-01	3.477E-01	3.511E-01	3.560E-01	3.625E-01	3.707E-01	3.804E-01	3.919E-01
2.00E-02 --- 5.00E-02	9.901E-02	9.907E-02	9.932E-02	9.979E-02	1.005E-01	1.013E-01	1.024E-01	1.037E-01	1.052E-01
ENERGY GROUP (MEV)	ANGLE 10	ANGLE 11	ANGLE 12	ANGLE 13	ANGLE 14	ANGLE 15	ANGLE 16	ANGLE 17	SCALAR FLUX
8.00E-00 --- 1.00E 01	MU= 0.0950	MU= 0.2816	MU= 0.4580	MU= 0.6179	MU= 0.7550	MU= 0.8656	MU= 0.9446	MU= 0.9894	MU= 5.523E-03
6.50E-00 --- 6.00E 00	1.097E-03	1.915E-03	3.447E-04	5.069E-04	8.832E-04	1.481E-03	2.328E-03	3.208E-03	6.168E-02
5.00E-00 --- 6.50E 00	4.127E-03	6.803E-03	7.048E-03	1.256E-02	1.213E-02	2.598E-02	3.986E-02	1.078E-01	8.694E-02
4.00E-00 --- 5.00E 00	2.811E-03	4.727E-03	4.862E-03	8.820E-03	8.524E-03	1.797E-02	2.897E-02	6.307E-02	7.580E-02
3.00E-00 --- 4.00E 00	3.362E-03	5.355E-03	4.787E-03	5.412E-03	8.812E-03	1.393E-02	2.215E-02	4.652E-02	6.018E-02
2.50E-00 --- 3.00E 00	5.832E-03	7.826E-03	1.441E-02	1.321E-02	2.101E-02	3.637E-02	5.833E-02	1.294E-01	1.573E-01
2.00E-00 --- 2.50E 00	6.530E-03	1.101E-02	2.038E-02	1.101E-02	1.78E-02	4.118E-02	6.493E-02	1.362E-01	1.732E-01
1.66E-00 --- 2.00E 00	6.253E-03	1.056E-02	1.776E-02	1.099E-02	1.999E-02	4.378E-02	6.393E-02	1.295E-01	1.681E-01
1.32E-00 --- 1.66E 00	7.874E-03	1.332E-02	1.359E-02	2.555E-02	2.561E-02	5.133E-02	7.904E-02	1.562E-01	2.106E-01
1.00E-00 --- 1.33E 00	4.068E-03	7.874E-03	8.582E-03	1.458E-02	1.994E-02	3.188E-02	4.716E-02	7.739E-02	1.227E-01
8.00E-01 --- 1.00E 00	5.799E-03	6.961E-03	1.024E-02	1.550E-02	2.097E-02	3.019E-02	5.937E-02	5.074E-02	1.165E-01
6.00E-01 --- 8.00E-01	9.125E-03	1.768E-02	1.904E-02	2.980E-02	3.591E-02	5.148E-02	6.844E-02	1.083E-01	2.237E-01
4.00E-01 --- 6.00E-01	2.908E-02	3.406E-02	4.177E-02	5.118E-02	5.926E-02	7.377E-02	8.928E-02	1.116E-01	4.121E-01
3.00E-01 --- 4.00E-01	4.549E-02	4.966E-02	5.517E-02	6.317E-02	7.043E-02	8.290E-02	9.527E-02	1.105E-01	5.605E-01
2.00E-01 --- 3.00E-01	8.086E-02	8.364E-02	9.035E-02	1.005E-01	1.090E-01	1.256E-01	1.419E-01	1.640E-01	1.074E-00
1.00E-01 --- 2.00E-01	1.895E-01	2.002E-01	2.129E-01	2.277E-01	2.436E-01	2.614E-01	2.789E-01	2.937E-01	2.443E-00
5.00E-02 --- 1.00E-01	4.050E-01	4.194E-01	4.350E-01	4.679E-01	4.836E-01	4.968E-01	5.055E-01	5.108E-00	5.134E-01
2.00E-02 --- 5.00E-02	1.068E-01	1.085E-01	1.103E-01	1.122E-01	1.139E-01	1.154E-01	1.173E-01	1.173E-01	1.173E-01

4 PI R**2 FLUENCE AT 200.0 METERS

10.00 TO 12.20 MEV NEUTRON SOURCE

(GAMMAS/MEV/STERADIANSOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=0.0000	ANGLE 2 MU=-0.0894	ANGLE 3 MU=-0.9446	ANGLE 4 MU=-0.8656	ANGLE 5 MU=-0.7550	ANGLE 6 MU=-0.6179	ANGLE 7 MU=-0.4580	ANGLE 8 MU=-0.2816	ANGLE 9 MU=-0.0950
8.00E 00---1.00E 01	1.103E-04	1.152E-04	1.222E-04	1.316E-04	1.435E-04	1.587E-04	1.799E-04	2.105E-04	
6.50E 00---8.00E 00	5.798E-04	6.034E-04	6.443E-04	6.964E-04	7.595E-04	8.389E-04	9.467E-04	1.106E-03	
5.00E 00---6.50E 00	2.267E-03	2.294E-03	2.394E-03	2.562E-03	2.769E-03	3.007E-03	3.300E-03	3.700E-03	4.276E-03
4.00E 00---5.00E 00	1.413E-03	1.348E-03	1.471E-03	1.663E-03	1.860E-03	2.039E-03	2.224E-03	2.478E-03	2.877E-03
3.00E 00---4.00E 00	1.094E-03	1.207E-03	1.207E-03	1.207E-03	1.700E-03	2.056E-03	2.383E-03	2.383E-03	
2.50E 00---3.00E 00	3.089E-03	3.130E-03	3.288E-03	3.539E-03	3.833E-03	4.159E-03	4.558E-03	5.117E-03	5.935E-03
2.00E 00---2.50E 00	3.539E-03	3.583E-03	3.748E-03	4.011E-03	4.323E-03	4.677E-03	5.123E-03	5.756E-03	6.681E-03
1.66E 00---2.00E 00	3.516E-03	3.537E-03	3.622E-03	3.781E-03	4.011E-03	4.338E-03	4.797E-03	5.456E-03	6.382E-03
1.33E 00---1.66E 00	4.739E-03	4.739E-03	4.722E-03	4.773E-03	4.961E-03	5.357E-03	5.993E-03	6.879E-03	8.053E-03
1.00E 00---1.33E 00	2.826E-03	2.762E-03	2.566E-03	2.333E-03	2.295E-03	2.555E-03	3.075E-03	3.763E-03	4.574E-03
8.00E-01---1.00E 00	2.191E-03	2.163E-03	2.084E-03	2.064E-03	2.176E-03	2.525E-03	3.055E-03	3.727E-03	4.633E-03
6.00E-01---8.00E-01	3.146E-03	3.288E-03	3.797E-03	4.572E-03	5.329E-03	5.967E-03	6.617E-03	7.653E-03	9.592E-03
4.00E-01---6.00E-01	1.221E-02	1.231E-02	1.270E-02	1.340E-02	1.439E-02	1.590E-02	1.831E-02	2.211E-02	2.760E-02
3.00E-01---4.00E-01	1.774E-02	1.781E-02	1.828E-02	1.973E-02	2.288E-02	2.800E-02	3.484E-02	4.252E-02	5.016E-02
2.00E-01---3.00E-01	7.966E-02	8.001E-02	8.342E-02	8.342E-02	8.569E-02	8.976E-02	9.192E-02	9.484E-02	9.484E-02
1.00E-01---2.00E-01	2.024E-01	2.027E-01	2.044E-01	2.069E-01	2.110E-01	2.165E-01	2.329E-01	2.443E-01	2.443E-01
5.00E-02---1.00E-01	4.951E-01	4.986E-01	5.041F-01	5.121E-01	5.222E-01	5.359E-01	5.520E-01	5.709E-01	5.709E-01
2.00E-02---5.00E-02	1.452E-01	1.453E-01	1.457E-01	1.465E-01	1.476E-01	1.490E-01	1.529E-01	1.553E-01	
ENERGY GROUP (MEV)	ANGLE 10 MU= 0.0950	ANGLE 11 MU= 0.2816	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9894	SCALAR FLUX
8.00E 00---1.00E 01	2.913E-04	2.826E-04	4.475E-04	4.42E-04	8.810E-04	1.475E-03	1.444E-03	6.823E-03	6.500E-03
6.50E 00---8.00E 00	1.478E-03	1.535E-03	2.292E-03	2.880E-03	4.569E-03	7.591E-03	1.438E-02	3.463E-02	3.355E-02
5.00E 00---6.50E 00	5.70E-03	5.857E-03	8.438E-03	1.046E-02	1.596E-02	2.495E-02	4.674E-02	1.088E-01	1.171E-01
4.00E 00---5.00E 00	3.801E-03	4.011E-03	5.822E-03	7.120E-03	1.120E-02	1.791E-02	3.414E-02	7.903E-02	8.222E-02
3.00E 00---4.00E 00	2.005E-03	3.837E-03	4.333E-03	6.255E-03	9.850E-03	1.500E-02	2.714E-02	5.879E-02	6.600E-02
2.50E 00---3.00E 00	8.125E-03	8.125E-03	1.185E-02	1.479E-02	2.293E-02	3.666E-02	6.825E-02	1.540E-01	1.661E-01
2.00E 00---2.50E 00	8.794E-03	9.168E-03	1.331E-02	1.668E-02	2.582E-02	4.085E-02	7.502E-02	1.640E-01	1.855E-01
1.66E 00---2.00E 00	8.428E-03	8.849E-03	1.300E-02	1.667E-02	2.615E-02	4.155E-02	7.479E-02	1.813E-01	
1.33E 00---1.66E 00	1.061E-02	1.114E-02	1.655E-02	2.145E-02	3.359E-02	5.255E-02	9.180E-02	1.853E-01	2.261E-01
1.00E 00---1.33E 00	6.307E-03	6.906E-03	1.125E-02	1.587E-02	2.564E-02	3.882E-02	6.114E-02	9.941E-02	1.446E-01
8.00E-01---1.00E 00	5.777E-03	8.909E-03	1.276E-02	1.975E-02	2.849E-02	4.029E-02	5.415E-02	7.066E-02	1.488E-01
6.00E-01---8.00E-01	1.429E-02	1.686E-02	2.608E-02	3.327E-02	4.639E-02	6.031E-02	8.389E-02	1.265E-01	2.631E-01
4.00E-01---6.00E-01	3.420E-02	4.397E-02	5.288E-02	6.444E-02	7.647E-02	9.301E-02	1.150E-01	1.453E-01	5.122E-01
3.00E-01---4.00E-01	5.674E-02	6.432E-02	7.082E-02	8.028E-02	9.132E-02	9.952E-02	1.066E-01	1.444E-01	7.122E-01
2.00E-01---3.00E-01	1.063E-01	1.137E-01	1.263E-01	1.370E-01	1.582E-01	1.807E-01	1.807E-01	2.083E-01	2.347E-01
1.00E-01---2.00E-01	2.742E-01	2.578E-01	3.149E-01	3.391E-01	3.652E-01	3.917E-01	4.141E-01	4.339E-01	5.000E-01
5.00E-02---1.00E-01	5.925E-01	6.169E-01	6.713E-01	6.996E-01	7.266E-01	7.497E-01	7.652E-01	7.699E-01	7.699E-01
2.00E-02---5.00E-02	1.580E-01	1.609E-01	1.644E-01	1.670E-01	1.699E-01	1.725E-01	1.745E-01	1.757E-01	1.798E-01

4 PI R**2 FLUENCE AT 300.0 METERS

10.00 10 12.20 MEV NEUTRON SOURCE

(GAMMAS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
MU=-1.0000	MU=-0.9894	MU=-0.9446	MU=-0.8656	MU=-0.6179	MU=-0.4580	MU=-0.2816	MU=-0.0950		
8.00E 00---1.00E 01	8.-458E-05	8.-892E-05	9.-616E-05	1.-348E-04	1.-146E-04	1.-266E-04	1.-699E-04		
6.50E 00---8.00E 00	4.-262E-04	4.-337E-04	4.-612E-04	5.-054E-04	6.-070E-04	6.-688E-04	7.-566E-04	8.-907E-04	
5.00E 00---6.50E 00	1.-842E-03	1.-876E-03	1.-998E-03	2.-193E-03	2.-404E-03	2.-615E-03	2.-858E-03	3.-726E-03	
4.00E 00---5.00E 00	9.-267E-04	9.-758E-04	1.-147E-03	1.-396E-03	1.-616E-03	1.-767E-03	1.-889E-03	2.-078E-03	
3.00E 00---4.00E 00	7.-965E-04	8.-332E-04	9.-948E-04	1.-227E-03	1.-425E-03	1.-554E-03	1.-655E-03	2.-132E-03	
2.50E 00---3.00E 00	2.-364E-03	2.-416E-03	2.-603E-03	2.-887E-03	3.-172E-03	3.-438E-03	3.-742E-03	4.-199E-03	
2.00E 00---2.50E 00	2.-843E-03	2.-892E-03	3.-070E-03	3.-344E-03	3.-920E-03	4.-281E-03	4.-827E-03	5.-673E-03	
1.-66E 00---2.00E 00	2.-933E-03	2.-947E-03	3.-004E-03	3.-115E-03	3.-289E-03	3.-562E-03	3.-981E-03	5.-453E-03	
1.-33E 00---1.66E 00	4.-C96E-03	4.-063E-03	3.-966E-03	3.-890E-03	3.-984E-03	4.-343E-03	4.-976E-03	5.-840E-03	
1.00E 00---1.33E 00	2.-725E-03	2.-625E-03	2.-303E-03	1.-934E-03	1.-840E-03	2.-151E-03	2.-788E-03	4.-355E-03	
8.00E-01---1.00E 00	2.-012E-03	2.-049E-03	1.-908E-03	1.-858E-03	2.-027E-03	2.-449E-03	3.-09E-03	4.-758E-03	
6.00E-01---8.00E-01	2.-225E-03	2.-417E-03	3.-100E-03	4.-083E-03	4.-930E-03	5.-501E-03	6.-012E-03	7.-044E-03	
4.00E-01---6.00E-01	1.-259E-02	1.-271E-02	1.-315E-02	1.-392E-02	1.-503E-02	1.-682E-02	1.-991E-02	2.-495E-02	
3.00E-01---4.00E-01	1.-879E-02	1.-881E-02	2.-153E-02	2.-596E-02	2.-534E-02	4.-247E-02	5.-265E-02	6.-230E-02	
2.00E-01---3.00E-01	9.-598E-02	9.-633E-02	9.-812E-02	1.-007E-01	1.-034E-01	1.-057E-01	1.-071E-01	1.-135E-01	
1.00E-01---2.00E-01	2.-628E-01	2.-633E-01	2.-654E-01	2.-694E-01	2.-754E-01	2.-834E-01	2.-939E-01	3.-072E-01	
5.00E-02---1.00E-01	7.-089E-01	7.-100E-01	7.-147E-01	7.-238E-01	7.-368E-01	7.-543E-01	7.-763E-01	8.-031E-01	
2.00E-02---5.00E-02	2.-143E-01	2.-144E-01	2.-151E-01	2.-164E-01	2.-182E-01	2.-205E-01	2.-235E-01	2.-270E-01	
									SCALAR FLUX
ENERGY GROUP (MEV)	ANGLE 10	ANGLE 11	ANGLE 12	ANGLE 13	ANGLE 14	ANGLE 15	ANGLE 16	ANGLE 17	
MU= 0.090	MU= 0.2816	MU= 0.4580	MU= 0.6779	MU= 0.8655	MU= 0.9446	MU= 0.911E-03	0.949E-03	0.9894	
8.00E 00---1.00E 01	2.-010E-04	2.-724E-04	3.-480E-04	5.-062E-04	7.-691E-04	1.-369E-03	2.-97E-03	3.-23E-03	
6.50E 00---8.00E 00	1.-065E-03	1.-49E-03	1.-826E-03	2.-62E-03	3.-976E-03	7.-052E-03	1.-514E-02	4.-234E-02	
5.00E 00---6.50E 00	4.-244E-03	5.-748E-03	7.-272E-03	1.-010E-02	1.-481E-02	2.-495E-02	5.-003E-02	1.-323E-01	
4.00E 00---5.00E 00	2.-946E-03	3.-905E-03	4.-952E-03	6.-897E-03	1.-030E-02	1.-801E-02	3.-706E-02	8.-116E-02	
3.00E 00---4.00E 00	2.-709E-03	3.-304E-03	4.-401E-03	5.-911E-03	9.-089E-03	1.-573E-02	3.-154E-02	7.-413E-02	
2.50E 00---3.00E 00	5.-846E-03	7.-689E-03	9.-695E-03	1.-369E-02	2.-049E-02	3.-531E-02	7.-022E-02	1.-569E-01	
2.00E 00---2.50E 00	6.-730E-03	8.-812E-03	1.-152E-02	1.-581E-02	2.-384E-02	4.-080E-02	7.-873E-02	1.-773E-01	
1.-66E 00---1.66E 00	6.-470E-03	8.-526E-03	1.-104E-02	1.-620E-02	2.-513E-02	4.-304E-02	8.-044E-02	1.-764E-01	
1.-33E 00---1.66E 00	8.-121E-03	1.-074E-02	1.-417E-02	2.-121E-02	3.-291E-02	5.-478E-02	9.-752E-02	2.-025E-01	
1.00E 00---1.33E 00	5.-281E-03	7.-610E-03	1.-140E-02	1.-584E-02	4.-806E-02	3.-029E-02	7.-522E-02	1.-227E-01	
8.00E-01---1.00E 00	6.-621E-03	9.-865E-03	1.-595E-02	2.-503E-02	3.-766E-02	5.-323E-02	7.-197E-02	9.-431E-02	
6.00E-01---8.00E-01	1.-333E-02	2.-073E-02	2.-939E-02	4.-136E-02	5.-476E-02	7.-189E-02	9.-484E-02	1.-365E-01	
4.00E-01---6.00E-01	4.-222E-02	5.-319E-02	6.-571E-02	7.-853E-02	9.-338E-02	1.-119E-01	1.-744E-01	6.-102E-01	
3.00E-01---4.00E-01	7.-050E-02	7.-831E-02	8.-691E-02	9.-755E-02	1.-121E-01	1.-301E-01	1.-515E-01	8.-678E-01	
2.00E-01---3.00E-01	1.-192E-01	1.-268E-01	1.-381E-01	1.-517E-01	1.-692E-01	1.-899E-01	2.-153E-01	2.-441E-01	
1.00E-01---2.00E-01	3.-435E-01	3.-670E-01	3.-946E-01	4.-260E-01	4.-608E-01	5.-341E-01	5.-642E-01	4.-455E-00	
5.00E-02---1.00E-01	8.-716E-01	9.-129E-01	9.-583E-01	1.-007E-01	1.-056E-00	1.-102E-00	1.-169E-00	1.-104E-01	
2.00E-02---5.00E-02	2.-357E-01	2.-406E-01	2.-509E-01	2.-457E-01	2.-631E-01	2.-633E-01	2.-654E-01	2.-701E-01	
									2.959E-00

4 PI R**2 FLUENCE AT 400.0 METERS

10.00 TO 12.20 MEV NEUTRON SOURCE

(GAMMAS/MEV/STERADIANS/SOURCE NEUTRON)

ENERGY GROUP (MeV)	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
	MU=-1.0000	MU=-0.9894	MU=-0.9466	MU=-0.8556	MU=-0.7550	MU=-0.6179	MU=-0.4580	MU=-0.2816	MU=-0.0950
8.00E 00---1.00E 01	5.974E-05	5.974E-05	7.102E-05	7.841E-05	8.541E-05	9.444E-05	1.071E-04	1.271E-04	
6.50E 00---8.00E 00	2.899E-04	2.979E-04	3.264E-04	3.597E-04	4.128E-04	4.513E-04	4.928E-04	5.522E-04	6.590E-04
5.00E 00---6.50E 00	1.368E-03	1.405E-03	1.537E-03	1.735E-03	1.927E-03	2.092E-03	2.266E-03	2.521E-03	2.965E-03
4.00E 00---5.00E 00	6.288E-04	5.647E-04	8.181E-04	1.090E-03	1.410E-03	1.462E-03	1.577E-03	1.871E-03	
3.00E 00---4.00E 00	5.050E-04	5.600E-04	7.485E-04	1.007E-03	1.203E-03	1.294E-03	1.334E-03	1.441E-03	1.719E-03
2.50E 00---3.00E 00	1.656E-03	1.712E-03	1.906E-03	2.185E-03	2.431E-03	2.620E-03	2.819E-03	3.157E-03	3.750E-03
2.00E 00---2.50E 00	2.116E-03	2.162E-03	2.328E-03	2.570E-03	2.800E-03	3.011E-03	3.275E-03	3.770E-03	4.417E-03
1.66E 00---2.00E 00	2.288E-03	2.291E-03	2.308E-03	2.355E-03	2.464E-03	2.676E-03	3.033E-03	3.560E-03	4.279E-03
1.33E 00---1.66E 00	3.205E-03	3.251E-03	3.080E-03	2.901E-03	2.915E-03	3.225E-03	3.814E-03	4.580E-03	5.460E-03
1.00E 00---1.33E 00	2.370E-03	2.259E-03	1.870E-03	1.435E-03	1.319E-03	1.550E-03	2.303E-03	3.022E-03	3.690E-03
8.00E-01---1.00E 00	1.620E-03	1.526E-03	1.620E-03	1.495E-03	1.680E-03	2.019E-03	2.650E-03	3.280E-03	4.200E-03
6.00E-01---8.00E-01	1.532E-03	1.532E-03	2.289E-03	3.328E-03	4.131E-03	4.555E-03	4.878E-03	5.813E-03	8.274E-03
4.00E-01---6.00E-01	1.142E-02	1.152E-02	1.192E-02	1.262E-02	1.368E-02	1.552E-02	1.885E-02	2.440E-02	3.253E-02
3.00E-01---4.00E-01	1.722E-02	1.802E-02	1.820E-02	1.845E-02	1.864E-02	1.864E-02	1.864E-02	1.864E-02	6.442E-02
2.00E-01---3.00E-01	9.764E-02	9.811E-02	9.982E-02	1.024E-01	1.069E-01	1.069E-01	1.104E-01	1.136E-01	
1.00E-01---2.00E-01	2.760E-01	2.766E-01	2.789E-01	2.834E-01	2.900E-01	2.990E-01	3.107E-01	3.254E-01	3.435E-01
5.00E-02---1.00E-01	7.914E-01	7.927E-01	7.984E-01	8.093E-01	8.299E-01	8.459E-01	8.724E-01	9.433E-01	
2.00E-02---5.00E-02	2.435E-01	2.437E-01	2.445E-01	2.460E-01	2.481E-01	2.510E-01	2.545E-01	2.588E-01	2.637E-01
1.00E 00---1.00E 01	1.587E-04	2.047E-04	2.781E-04	4.007E-04	6.390E-04	1.177E-03	2.741E-03	8.955E-03	5.493E-03
6.50E 00---8.00E 00	8.247E-04	1.067E-03	1.442E-03	2.065E-03	3.273E-03	6.008E-03	1.384E-02	4.395E-02	2.784E-02
5.00E 00---6.50E 00	3.654E-03	4.633E-03	6.099E-03	8.431E-03	1.280E-02	2.221E-02	4.711E-02	1.036E-01	
4.00E 00---5.00E 00	2.395E-03	3.120E-03	4.111E-03	5.668E-03	8.826E-03	1.617E-02	3.550E-02	9.977E-02	2.633E-02
3.00E 00---4.00E 00	2.195E-03	2.860E-03	3.724E-03	5.165E-03	8.159E-03	1.503E-02	3.170E-02	7.883E-02	6.419E-02
2.50E 00---3.00E 00	4.671E-03	5.927E-03	7.16E-03	1.099E-02	1.720E-02	3.091E-02	6.419E-02	1.686E-01	1.347E-01
2.00E 00---2.50E 00	6.907E-03	9.148E-03	1.303E-02	2.071E-02	3.670E-02	7.326E-02	1.779E-01	1.544E-01	
1.66E 00---2.00E 00	5.685E-03	6.685E-03	9.159E-03	1.374E-02	2.638E-02	3.998E-02	7.630E-02	1.693E-01	1.565E-01
1.33E 00---1.66E 00	6.605E-03	8.412E-03	1.190E-02	1.839E-02	3.018E-02	5.115E-02	9.146E-02	1.885E-01	1.942E-01
1.00E 00---1.33E 00	4.623E-03	6.595E-03	1.090E-02	1.875E-02	3.134E-02	5.499E-02	7.743E-02	1.236E-01	1.629E-01
8.00E 00---1.00E 00	6.029E-03	9.790E-03	1.645E-02	2.673E-02	4.050E-02	5.719E-02	7.634E-02	9.877E-02	1.903E-01
6.00E 00---8.00E-01	1.307E-02	2.042E-02	3.045E-02	4.252E-02	5.643E-02	7.230E-02	9.238E-02	1.252E-01	2.886E-01
4.00E 00---6.00E-01	4.295E-02	5.490E-02	6.732E-02	8.003E-02	9.388E-02	1.112E-01	1.353E-01	1.685E-01	6.088E-01
3.00E 00---4.00E-01	7.230E-02	7.949E-02	8.742E-02	9.813E-02	1.125E-01	1.303E-01	1.500E-01	1.699E-01	8.749E-01
2.00E 00---3.00E-01	1.191E-01	1.274E-01	1.384E-01	1.523E-01	1.688E-01	1.883E-01	2.105E-01	2.342E-01	2.622E-00
1.00E 00---2.00E-01	3.915E-01	4.217E-01	4.560E-01	4.936E-01	5.323E-01	5.969E-01	5.988E-01	4.737E-00	
5.00E 00---1.00E-01	9.878E-01	1.034E 00	1.094E 00	1.152E 00	1.212E 00	1.268E 00	1.316E 00	1.252E 01	
2.00E 00---5.00E-02	2.692E-01	2.751E-01	2.812E-01	2.874E-01	2.932E-01	2.983E-01	3.023E-01	3.046E-01	3.379E 00

4 PI R**2 FLUENCE AT 500.0 METERS

10.00 TO 12.20 MEV NEUTRON SOURCE

(GAMMAS/MEV/STERADIANSOURCE NEUTRON)													
ENERGY GROUP (MEV)	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9	SCALAR	ANGLE 17	ANGLE 16	ANGLE 15
8.00E 00---1.00E 01	MU= 0.9894	MU=-0.9446	MU=-0.8655	MU=-0.7550	MU=-0.6179	MU=-0.580	MU=-0.2816	MU=-0.0950	MU=-0.950	MU= 0.9894	MU= 0.9894	MU= 0.9894	MU= 0.9894
6.50E 00---8.00E 00	4.050E-05	1.932E-05	1.671E-05	5.103E-05	5.712E-05	6.235E-05	6.794E-05	7.661E-05	9.158E-05	4.629E-03	4.629E-03	4.629E-03	4.629E-03
5.00E 00---6.50E 00	1.934E-04	1.896E-04	2.212E-04	2.616E-04	2.974E-04	3.237E-04	3.482E-04	3.889E-04	4.656E-04	1.900E-03	1.900E-03	1.900E-03	1.900E-03
4.00E 00---5.00E 00	9.643E-04	1.001E-03	1.131E-03	1.319E-03	1.604E-03	1.604E-03	1.715E-03	1.715E-03	1.715E-03	1.131E-03	1.131E-03	1.131E-03	1.131E-03
3.00E 00---4.00E 00	3.492E-04	5.525E-04	8.222E-04	1.013E-03	1.079E-03	1.079E-03	1.079E-03	1.079E-03	1.079E-03	1.076E-03	1.076E-03	1.076E-03	1.076E-03
2.50E 00---3.00E 00	2.469E-04	3.492E-04	7.942E-04	9.720E-04	9.720E-04	1.026E-03	1.026E-03	1.026E-03	1.026E-03	1.017E-03	1.017E-03	1.017E-03	1.017E-03
2.00E 00---2.50E 00	1.554E-03	1.149E-03	1.335E-03	1.591E-03	1.791E-03	1.912E-03	2.025E-03	2.260E-03	2.725E-03	2.003E-03	2.003E-03	2.003E-03	2.003E-03
1.66E 00---2.00E 00	1.728E-03	1.735E-03	1.707E-03	1.697E-03	1.750E-03	1.912E-03	2.210E-03	2.646E-03	3.210E-03	2.300E-03	2.300E-03	2.300E-03	2.300E-03
1.33E 00---1.66E 00	2.520E-03	2.587E-03	2.300E-03	2.056E-03	2.016E-03	2.281E-03	2.808E-03	3.453E-03	4.117E-03	2.112E-02	2.112E-02	2.112E-02	2.112E-02
1.00E 00---1.33E 00	1.840E-03	1.61E-03	1.443E-03	9.669E-04	8.809E-04	8.809E-04	1.203E-03	1.814E-03	2.427E-03	2.923E-03	2.923E-03	2.923E-03	2.923E-03
8.00E-01---1.00E 00	1.228E-03	1.202E-03	1.134E-03	1.133E-03	1.323E-03	1.690E-03	1.323E-03	1.323E-03	1.323E-03	2.629E-03	3.619E-03	3.619E-03	3.619E-03
6.00E-01---8.00E-01	6.211E-04	8.381E-04	1.592E-03	2.590E-03	3.290E-03	3.562E-03	3.717E-03	4.527E-03	6.939E-03	1.034E-02	2.214E-02	3.014E-02	3.014E-02
4.00E-01---6.00E-01	9.721E-03	9.804E-03	1.013E-02	1.070E-02	1.163E-02	1.163E-02	1.163E-02	1.163E-02	1.163E-02	4.664E-02	5.112E-02	5.112E-02	5.112E-02
3.00E-01---4.00E-01	1.478E-02	1.556E-02	1.808E-02	2.309E-02	2.309E-02	2.309E-02	3.104E-02	4.094E-02	5.999E-02	9.960E-02	1.010E-01	1.037E-01	1.037E-01
2.00E-01---3.00E-01	9.087E-02	9.129E-02	9.233E-02	9.508E-02	9.710E-02	9.856E-02	9.856E-02	9.856E-02	9.856E-02	9.960E-02	9.960E-02	9.960E-02	9.960E-02
1.00E-01---2.00E-01	2.599E-01	2.622E-01	2.666E-01	2.730E-01	2.818E-01	2.818E-01	2.931E-01	3.073E-01	3.247E-01	8.924E-01	9.248E-01	9.248E-01	9.248E-01
5.00E-02---1.00E-01	7.336E-01	7.505E-01	7.808E-01	7.918E-01	8.077E-01	8.291E-01	8.561E-01	8.892E-01	9.248E-01	2.407E-01	2.517E-01	2.560E-01	2.610E-01
2.00E-02---5.00E-02	2.405E-01	2.415E-01	2.430E-01	2.452E-01	2.481E-01	2.481E-01	2.517E-01	2.560E-01	2.610E-01	2.610E-01	2.610E-01	2.610E-01	2.610E-01
ENERGY GROUP (MEV)	ANGLE 10	ANGLE 11	ANGLE 12	ANGLE 13	ANGLE 14	ANGLE 15	ANGLE 16	ANGLE 17	SCALAR	FLUX	FLUX	FLUX	FLUX
8.00E 00---1.00E 01	MU= 0.0950	MU= 0.2816	MU= 0.4580	MU= 0.6179	MU= 0.7550	MU= 0.8655	MU= 0.9446	MU= 0.9894	MU= 0.9894	3.649E-03	4.629E-03	4.629E-03	4.629E-03
6.50E 00---8.00E 00	1.157E-04	1.522E-04	2.081E-04	3.062E-04	5.019E-04	9.668E-04	2.385E-03	3.649E-03	4.629E-03	2.313E-02	3.133E-02	3.133E-02	3.133E-02
5.00E 00---6.50E 00	5.929E-04	7.835E-04	1.073E-03	1.558E-03	2.542E-03	4.888E-03	1.194E-02						
4.00E 00---5.00E 00	3.004E-04	4.624E-03	4.799E-03	6.708E-03	1.040E-02	1.874E-02	4.164E-02	4.164E-02	4.164E-02	6.744E-02	6.744E-02	6.744E-02	6.744E-02
3.00E 00---4.00E 00	1.812E-03	2.425E-03	3.200E-03	4.430E-03	7.107E-03	1.378E-02	3.198E-02	5.509E-02	9.509E-02	6.168E-02	6.168E-02	6.168E-02	6.168E-02
2.50E 00---3.00E 00	1.741E-03	2.304E-03	3.012E-03	4.202E-03	6.909E-03	1.349E-02	2.980E-02	5.666E-02	7.666E-02	5.642E-02	5.642E-02	5.642E-02	5.642E-02
2.00E 00---2.50E 00	4.107E-03	5.253E-03	7.021E-03	1.030E-02	1.707E-02	3.151E-02	6.430E-02	1.578E-01	1.277E-01	1.313E-01	1.313E-01	1.313E-01	1.313E-01
1.66E 00---2.00E 00	3.945E-03	5.064E-03	7.110E-03	1.119E-02	1.932E-02	3.527E-02	6.793E-02	1.497E-01	1.497E-01	1.624E-01	1.624E-01	1.624E-01	1.624E-01
1.33E 00---1.66E 00	4.925E-03	4.925E-03	9.397E-03	1.535E-02	2.622E-02	4.529E-02	8.047E-02	1.619E-01	1.619E-01	1.867E-01	1.867E-01	1.867E-01	1.867E-01
1.00E 00---1.33E 00	3.339E-03	5.464E-03	9.662E-03	1.741E-02	2.970E-02	4.732E-02	7.228E-02	1.121E-01	1.121E-01	1.477E-01	1.477E-01	1.477E-01	1.477E-01
8.00E-01---1.00E 00	5.182E-03	8.919E-03	1.566E-02	2.582E-02	3.923E-02	5.494E-02	7.215E-02	9.141E-02	9.141E-02	1.780E-01	1.780E-01	1.780E-01	1.780E-01
6.00E-01---8.00E-01	4.107E-02	1.908E-02	1.917E-02	4.024E-02	5.285E-02	6.657E-02	8.261E-02	1.064E-01	1.064E-01	2.615E-01	2.615E-01	2.615E-01	2.615E-01
4.00E-01---6.00E-01	6.00E-02	6.00E-02	7.021E-02	7.378E-02	8.551E-02	1.001E-01	1.201E-01	1.486E-01	1.486E-01	1.619E-01	1.619E-01	1.619E-01	1.619E-01
3.00E-01---4.00E-01	6.698E-02	7.293E-02	7.972E-02	8.924E-02	1.021E-01	1.176E-01	1.338E-01	1.477E-01	1.477E-01	2.041E-01	2.041E-01	2.041E-01	2.041E-01
2.00E-01---3.00E-01	1.086E-01	1.161E-01	1.263E-01	1.383E-01	1.526E-01	1.688E-01	1.867E-01	1.867E-01	1.867E-01	2.473E-01	2.473E-01	2.473E-01	2.473E-01
1.00E-01---2.00E-01	3.458E-01	3.707E-01	4.317E-01	4.994E-01	5.665E-01	5.302E-01	5.352E-01	5.598E-01	5.598E-01	1.336E-00	1.336E-00	1.336E-00	1.336E-00
5.00E-02---1.00E-01	9.739E-01	1.025E-00	1.082E-00	1.141E-00	1.202E-00	1.258E-00	1.306E-00	1.366E-00	1.366E-00	2.497E-01	2.497E-01	2.497E-01	2.497E-01
2.00E-02---5.00E-02	2.655E-01	2.725E-01	2.787E-01	2.849E-01	2.907E-01	2.958E-01	2.995E-01	2.995E-01	2.995E-01	3.345E-00	3.345E-00	3.345E-00	3.345E-00

4 * I R**2 FLUENCE AT 600.0 METERS

10.00 TO 12.20 MEV NEUTRON SOURCE

(GAMMAS/MEV/STERADIAN/SOURCE NEUTRON)													
ENERGY	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9	SCALAR	ANGLE 14	ANGLE 15	ANGLE 16
GROUP (MEV)	MU= 1.0000	MU= -0.9894	MU= -0.8646	MU= -0.7556	MU= -0.6179	MU= -0.4816	MU= -0.2816	MU= -0.0950	MU= 0.2816	MU= 0.9894	MU= 0.8646	MU= 0.7556	MU= 0.6179
8.00E 00---1.00E 01	2.554E-05	2.665E-05	3.057E-05	2.621E-05	4.114E-05	4.667E-05	5.362E-05	6.454E-05	5.362E-05	6.909E-01	1.226E-01	1.067E-01	1.067E-01
6.50E 00---8.00E 00	1.121E-04	1.196E-04	1.456E-04	1.819E-04	2.110E-04	2.277E-04	2.397E-04	3.196E-04	2.663E-04	1.687E-01	1.124E-01	1.271E-00	1.271E-00
5.00E 00---6.50E 00	6.533E-04	6.282E-04	8.103E-04	9.809E-04	1.118E-03	1.200E-03	1.261E-03	1.651E-03	1.261E-03	9.598E-04	7.739E-04	9.664E-04	9.664E-04
4.00E 00---5.00E 00	9.227E-04	1.611E-04	6.598E-04	6.049E-04	7.674E-04	8.111E-04	8.664E-04	7.739E-04	8.111E-04	7.739E-04	7.739E-04	7.739E-04	7.739E-04
3.00E 00---4.00E 00	1.157E-04	1.746E-04	3.607E-04	6.049E-04	7.653E-04	7.915E-04	7.486E-04	7.700E-04	9.651E-04	7.700E-04	7.700E-04	7.700E-04	7.700E-04
2.50E 00---3.00E 00	6.002E-04	7.395E-04	9.028E-04	1.133E-03	1.290E-03	1.359E-03	1.410E-03	1.567E-03	1.410E-03	1.567E-03	1.567E-03	1.567E-03	1.567E-03
2.00E 00---2.50E 00	1.059E-03	1.091E-03	1.059E-03	1.059E-03	1.059E-03	1.059E-03	1.059E-03	1.059E-03	1.059E-03	1.059E-03	1.059E-03	1.059E-03	1.059E-03
1.66E 00---2.00E 00	1.303E-03	1.287E-03	1.237E-03	1.185E-03	1.197E-03	1.321E-03	1.571E-03	1.923E-03	1.571E-03	2.346E-03	2.346E-03	2.346E-03	2.346E-03
1.33E 00---1.66E 00	1.999E-03	1.925E-03	1.682E-03	1.405E-03	1.335E-03	1.562E-03	2.023E-03	2.548E-03	3.018E-03	3.018E-03	3.018E-03	3.018E-03	3.018E-03
1.00E 00---1.33E 00	1.33E 00	1.577E-03	1.461E-03	1.081E-03	6.578E-04	5.525E-04	8.514E-04	1.391E-03	1.391E-03	2.218E-03	2.218E-03	2.218E-03	2.218E-03
8.00E 00---1.00E 00	8.00E 00	8.571E-04	8.399E-04	8.035E-04	8.031E-04	8.011E-03	1.312E-03	1.644E-03	1.644E-03	2.650E-03	2.650E-03	2.650E-03	2.650E-03
6.00E 00---1.121E-03	6.00E 00	1.00E 00	1.348E-04	1.057E-03	1.960E-03	2.552E-03	2.696E-03	2.718E-03	2.718E-03	3.405E-03	5.647E-03	5.647E-03	5.647E-03
4.00E 00---6.00E 01	7.987E-03	8.047E-03	8.281E-03	8.718E-03	9.497E-03	1.107E-02	1.411E-02	1.922E-02	2.656E-02	2.656E-02	2.656E-02	2.656E-02	2.656E-02
3.00E 00---4.00E 01	1.196E-02	1.208E-02	1.286E-02	1.522E-02	2.001E-02	2.522E-02	3.633E-02	4.534E-02	5.284E-02	5.284E-02	5.284E-02	5.284E-02	5.284E-02
2.00E 00---3.00E 01	8.011E-02	8.047E-02	8.176E-02	8.357E-02	8.508E-02	8.601E-02	8.653E-02	8.738E-02	8.948E-02	8.948E-02	8.948E-02	8.948E-02	8.948E-02
1.00E 00---2.00E 01	2.291E-01	2.286E-01	2.307E-01	2.347E-01	2.405E-01	2.483E-01	2.584E-01	2.710E-01	2.865E-01	2.865E-01	2.865E-01	2.865E-01	2.865E-01
5.00E 00---1.00E 01	6.981E-01	6.993E-01	7.047E-01	7.149E-01	7.296E-01	7.493E-01	7.742E-01	8.408E-01	8.408E-01	8.408E-01	8.408E-01	8.408E-01	8.408E-01
2.00E 00---5.00E 02	2.182E-01	2.184E-01	2.192E-01	2.206E-01	2.226E-01	2.252E-01	2.285E-01	2.370E-01	2.370E-01	2.370E-01	2.370E-01	2.370E-01	2.370E-01
ENERGY	ANGLE 10	ANGLE 11	ANGLE 12	ANGLE 13	ANGLE 14	ANGLE 15	ANGLE 16	SCALAR	ANGLE 17	SCALAR	ANGLE 14	ANGLE 15	ANGLE 16
GROUP (MEV)	MU= 0.0950	MU= 0.2816	MU= 0.4580	MU= 0.6179	MU= 0.7550	MU= 0.8656	MU= 0.9446	MU= 0.9446	MU= 0.9446	MU= 0.9446	MU= 0.9446	MU= 0.9446	MU= 0.9446
8.00E 00---1.00E 01	8.289E-05	1.107E-06	1.511E-04	2.273E-04	3.824E-04	7.697E-04	2.009E-03	7.967E-03	3.808E-03	3.808E-03	3.808E-03	3.808E-03	3.808E-03
6.50E 00---8.00E 00	4.644E-04	5.604E-04	7.726E-04	1.137E-03	1.908E-03	3.849E-03	9.958E-03	9.958E-03	1.872E-02	1.872E-02	1.872E-02	1.872E-02	1.872E-02
5.00E 00---6.50E 00	2.103E-03	2.752E-03	3.664E-03	5.151E-03	8.149E-03	1.525E-02	3.545E-02	7.174E-02	1.624E-02	5.082E-02	5.082E-02	5.082E-02	5.082E-02
4.00E 00---5.00E 00	1.335E-03	1.835E-03	2.417E-03	3.333E-03	5.511E-03	1.135E-02	2.778E-02	6.778E-02	8.624E-02	4.789E-02	4.789E-02	4.789E-02	4.789E-02
3.00E 00---4.00E 00	1.338E-03	1.804E-03	2.347E-03	3.282E-03	5.620E-03	1.166E-02	2.687E-02	6.687E-02	7.068E-02	4.789E-02	4.789E-02	4.789E-02	4.789E-02
2.50E 00---3.00E 00	2.496E-03	3.255E-03	4.328E-03	6.322E-03	1.679E-02	2.118E-02	4.675E-02	8.756E-02	1.289E-01	8.756E-02	8.756E-02	8.756E-02	8.756E-02
2.00E 00---2.50E 00	3.002E-03	3.860E-03	5.216E-03	7.888E-03	1.367E-02	2.625E-02	5.453E-02	1.336E-01	1.024E-01	1.024E-01	1.024E-01	1.024E-01	1.024E-01
1.66E 00---2.00E 00	2.00E 00	2.00E 00	2.00E 00	2.00E 00	2.00E 00	2.00E 00	2.00E 00	2.00E 00	2.00E 00	2.00E 00	2.00E 00	2.00E 00	2.00E 00
1.33E 00---1.66E 00	1.66E 00	1.66E 00	1.66E 00	1.66E 00	1.66E 00	1.66E 00	1.66E 00	1.66E 00	1.66E 00	1.66E 00	1.66E 00	1.66E 00	1.66E 00
1.00E 00---1.33E 00	1.00E 00	1.00E 00	1.00E 00	1.00E 00	1.00E 00	1.00E 00	1.00E 00	1.00E 00	1.00E 00	1.00E 00	1.00E 00	1.00E 00	1.00E 00
8.00E 00---1.00E 01	8.00E 00	8.00E 00	8.00E 00	8.00E 00	8.00E 00	8.00E 00	8.00E 00	8.00E 00	8.00E 00	8.00E 00	8.00E 00	8.00E 00	8.00E 00
6.00E 00---8.00E 01	6.00E 00	6.00E 00	6.00E 00	6.00E 00	6.00E 00	6.00E 00	6.00E 00	6.00E 00	6.00E 00	6.00E 00	6.00E 00	6.00E 00	6.00E 00
4.00E 00---6.00E 01	4.00E 00	4.00E 00	4.00E 00	4.00E 00	4.00E 00	4.00E 00	4.00E 00	4.00E 00	4.00E 00	4.00E 00	4.00E 00	4.00E 00	4.00E 00
3.00E 00---4.00E 01	3.00E 00	3.00E 00	3.00E 00	3.00E 00	3.00E 00	3.00E 00	3.00E 00	3.00E 00	3.00E 00	3.00E 00	3.00E 00	3.00E 00	3.00E 00
2.00E 00---3.00E 01	2.00E 00	2.00E 00	2.00E 00	2.00E 00	2.00E 00	2.00E 00	2.00E 00	2.00E 00	2.00E 00	2.00E 00	2.00E 00	2.00E 00	2.00E 00
1.00E 00---2.00E 01	1.00E 00	1.00E 00	1.00E 00	1.00E 00	1.00E 00	1.00E 00	1.00E 00	1.00E 00	1.00E 00	1.00E 00	1.00E 00	1.00E 00	1.00E 00
5.00E 00---1.00E 01	5.00E 00	5.00E 00	5.00E 00	5.00E 00	5.00E 00	5.00E 00	5.00E 00	5.00E 00	5.00E 00	5.00E 00	5.00E 00	5.00E 00	5.00E 00
2.00E 00---5.00E 02	2.421E-01	2.475E-01	2.532E-01	2.598E-01	2.641E-01	2.697E-01	2.752E-01	2.792E-01	2.832E-01	3.038E-00	3.038E-00	3.038E-00	3.038E-00

4 PI R**2 FLUENCE AT 900.0 METERS

10.00 TO 12.20 MEV NEUTRON SOURCE

(GAMMAS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
8.00E 00---1.00E 01	MU=-0.9894	MU=-0.9446	MU=-0.8656	MU=-0.6179	MU=-0.4580	MU=-0.2816	MU=-0.0950	MU=-0.774E-05	MU=-2.116E-05
5.448E-06	5.265E-06	9.053E-06	1.271E-05	1.521E-05	1.599E-05	1.532E-05	1.707E-05	2.116E-05	2.116E-05
6.50E 00---8.40E 00	1.197E-05	1.76E-05	3.595E-05	5.906E-05	7.419E-05	7.655E-05	7.124E-05	7.248E-05	9.774E-05
5.00E 00---6.50E 00	1.587E-04	1.83E-04	2.584E-04	3.783E-04	4.490E-04	4.643E-04	4.533E-04	4.784E-04	5.946E-04
4.00E 00---5.00E 00	-1.177E-04	-6.518E-05	5.519E-05	2.474E-04	3.360E-04	3.126E-04	2.298E-04	1.945E-04	2.893E-04
3.00E 00---4.00E 00	-8.878E-05	-3.726E-05	8.283E-05	2.697E-04	3.520E-04	3.269E-04	2.498E-04	2.279E-04	3.396E-04
2.50E 00---3.00E 00	1.477E-04	2.559E-04	2.559E-04	3.863E-04	4.533E-04	4.474E-04	4.205E-04	4.606E-04	6.208E-04
2.00E 00---2.50E 00	3.453E-04	3.579E-04	4.003E-04	4.510E-04	3.155E-04	3.793E-04	4.997E-04	5.422E-04	6.485E-04
1.66E 00---2.00E 00	5.577E-04	5.332E-04	4.500E-04	4.250E-04	2.915E-04	4.418E-04	5.287E-04	7.053E-04	8.483E-04
1.32E 00---1.66E 00	9.082E-04	8.433E-04	6.767E-04	6.767E-04	1.180E-04	1.165E-04	2.774E-04	7.344E-04	9.798E-04
1.00E 00---1.33E 00	7.554E-04	6.767E-04	2.022E-04	2.281E-04	3.018E-04	4.244E-04	5.520E-04	6.357E-04	8.253E-04
8.00E-01---1.00E 00	1.983E-04	2.022E-04	2.022E-04	2.055E-04	8.341E-04	1.093E-03	1.041E-03	9.02E-04	1.059E-03
6.00E-01---8.00E-01	-3.851E-04	-2.255E-04	-2.255E-04	4.019E-03	4.068E-03	4.210E-03	4.612E-03	5.604E-03	5.988E-03
4.00E-01---6.00E-01	4.008E-03	4.019E-03	4.068E-03	4.424E-03	5.813E-03	8.090E-03	1.126E-03	1.589E-02	2.124E-02
3.00E-01---4.00E-01	5.708E-03	5.634E-03	4.634E-02	4.634E-02	4.765E-02	4.805E-02	4.798E-02	4.764E-02	4.827E-02
2.00E-01---3.00E-01	4.617E-02	4.617E-02	1.268E-01	1.277E-01	1.306E-01	1.338E-01	1.382E-01	1.438E-01	1.592E-01
1.00E-01---2.00E-01	5.00E-02	1.00E-01	4.046E-01	4.046E-01	4.104E-01	4.190E-01	4.304E-01	4.458E-01	4.830E-01
2.00E-02---1.00E-02	1.257E-01	1.258E-01	1.262E-01	1.270E-01	1.282E-01	1.297E-01	1.316E-01	1.338E-01	1.366E-01
ENERGY GROUP (MEV)	ANGLE 10	ANGLE 11	ANGLE 12	ANGLE 13	ANGLE 14	ANGLE 15	ANGLE 16	ANGLE 17	SCALAR FLUX
8.00E 00---1.00E 01	MU= 0.0950	MU= 0.2816	MU= 0.4580	MU= 0.6179	MU= 0.7550	MU= 0.8656	MU= 0.9446	MU= 0.9894	MU= 1.987E-03
6.50E 00---6.50E 00	2.914E-05	4.070E-05	5.678E-05	8.501E-05	1.527E-04	3.510E-04	1.081E-03	5.345E-03	9.242E-03
5.00E 00---6.50E 00	8.145E-04	1.920E-04	2.665E-04	3.922E-04	7.113E-04	1.682E-03	2.186E-03	7.385E-02	2.593E-02
4.00E 00---6.50E 00	8.145E-04	1.110E-03	1.476E-03	2.067E-03	3.451E-03	7.278E-03	1.032E-02	5.470E-02	1.032E-02
3.00E 00---6.50E 00	5.067E-04	7.50E-04	9.423E-04	1.220E-03	2.233E-03	5.671E-03	1.126E-02	2.622E-02	5.442E-02
2.50E 00---6.50E 00	5.629E-04	7.941E-04	9.782E-04	1.334E-03	2.632E-03	6.598E-03	1.701E-02	4.625E-02	2.613E-02
2.00E 00---6.50E 00	1.662E-03	1.162E-03	1.255E-03	4.685E-03	6.067E-03	1.383E-02	2.972E-02	6.900E-02	4.077E-02
1.66E 00---2.00E 00	9.704E-04	1.238E-03	2.045E-03	4.081E-03	8.405E-03	1.669E-02	3.209E-02	6.459E-02	5.218E-02
1.33E 00---1.66E 00	1.148E-03	1.576E-03	3.019E-03	1.206E-03	2.139E-02	3.612E-02	6.332E-02	1.581E-02	3.381E-02
1.00E 00---1.33E 00	1.000E-03	1.973E-03	4.535E-03	9.259E-03	1.620E-02	2.495E-02	3.523E-02	4.819E-02	6.970E-02
8.00E 00---1.00E 00	2.125E-03	4.505E-03	8.632E-03	1.449E-02	2.148E-02	2.854E-02	3.473E-02	3.997E-02	8.870E-02
6.00E 00---1.00E 00	1.028E-02	1.558E-02	5.864E-03	2.110E-02	2.634E-02	3.118E-02	3.577E-02	4.053E-02	1.238E-01
4.00E 00---1.00E 00	2.080E-02	2.615E-02	3.085E-02	3.477E-02	3.857E-02	4.339E-02	4.995E-02	5.728E-02	8.588E-02
3.00E 00---4.00E 00	3.225E-02	3.797E-02	3.633E-02	4.024E-02	4.558E-02	5.126E-02	5.844E-02	6.384E-02	7.724E-02
2.00E 00---3.00E 00	5.019E-02	5.736E-02	6.204E-02	6.712E-02	7.251E-02	7.781E-02	8.198E-02	8.800E-01	9.800E-01
1.00E 00---2.00E 00	1.692E-01	1.939E-01	2.081E-01	2.228E-01	2.370E-01	2.492E-01	2.572E-01	2.168E 00	2.168E 00
5.00E 00---1.00E 00	5.622E-01	5.933E-01	6.491E-01	6.219E-01	6.709E-01	6.844E-01	6.406E 00	6.406E 00	6.406E 00
2.00E 00---5.00E 00	1.392E-01	1.452E-01	1.468E-01	1.513E-01	1.537E-01	1.566E-01	1.566E-01	1.745E 00	1.745E 00

4 PI R**2 FLUENCE AT 1200.0 METERS

10.00 TO 12.20 MEV NEUTRON SOURCE

(GAMMAS/MEV/STERADIANT/SOURCE NEUTRON)									
ENERGY GROUP (MEV)	ANGLE 1 MU=-1.00E 0	ANGLE 2 MU=-0.9894	ANGLE 3 MU=-0.9446	ANGLE 4 MU=-0.9656	ANGLE 5 MU=-0.7550	ANGLE 6 MU=-0.6179	ANGLE 7 MU=-0.4580	ANGLE 8 MU=-0.2816	ANGLE 9 MU=-0.0950
8.00E 00---	3.482E-08	6.235E-07	2.308E-06	4.500E-06	5.865E-06	5.722E-06	4.879E-06	6.539E-06	6.539E-06
6.50E 00---	-8.509E-06	-4.459E-06	5.408E-06	2.066E-05	2.730E-05	2.518E-05	1.861E-05	1.548E-05	2.365E-05
5.00E 00---	-6.50E 00	1.127E-05	2.70E-05	1.392E-04	1.748E-04	1.703E-04	1.455E-04	1.430E-04	1.944E-04
4.00E 00---	-5.00E 00	-1.172E-04	-8.659E-05	8.925E-05	9.429E-05	1.325E-04	1.256E-04	3.777E-05	2.702E-05
3.00E 00---	-4.00E 00	-9.951E-05	-6.946E-05	1.118E-05	1.166E-04	1.494E-04	1.224E-04	4.755E-06	5.434E-05
2.50E 00---	-3.00E 00	-1.601E-05	-3.833E-05	5.998E-05	1.297E-04	1.583E-04	1.343E-04	1.078E-04	1.112E-04
2.00E 00---	-2.50E 00	1.154E-04	1.186E-04	1.288E-04	1.381E-04	1.398E-04	1.421E-04	1.610E-04	1.860E-04
1.66E 00---	-2.00E 00	2.543E-04	2.344E-04	1.644E-04	7.450E-05	5.392E-05	9.376E-05	1.722E-04	2.898E-04
1.33E 00---	-1.66E 00	4.201E-04	3.770E-04	2.152E-04	5.704E-05	2.891E-05	1.057E-05	2.662E-04	3.784E-04
1.00E 00---	-1.33E 00	3.049E-04	3.004E-04	1.284E-04	-6.019E-07	-6.720E-06	8.344E-05	2.412E-04	3.068E-04
8.00E-01---	-1.00E 00	-9.528E-06	1.833E-06	4.017E-05	1.100E-04	1.796E-04	2.181E-04	2.115E-04	3.825E-04
6.00E-01---	-8.00E-01	-3.430E-04	-2.520E-04	7.957E-04	3.445E-04	4.421E-04	3.772E-04	2.497E-04	6.664E-04
4.00E-01---	-6.00E-01	1.900E-03	1.898E-03	1.877E-03	1.901E-03	2.093E-03	2.644E-03	3.765E-03	5.574E-03
3.00E-01---	-4.00E-01	2.519E-03	2.590E-03	2.976E-03	3.952E-03	5.716E-03	8.186E-03	1.091E-02	1.486E-02
2.00E-01---	-3.00E-01	6.157E-02	6.232E-02	6.232E-02	6.343E-02	6.502E-02	6.714E-02	7.325E-02	2.325E-02
1.00E-01---	-2.00E-01	1.954E-01	1.957E-01	1.973E-01	2.001E-01	2.041E-01	2.164E-01	2.246E-01	2.343E-01
5.00E-02---	-1.00E-01	6.100E-02	6.105E-02	6.126E-02	6.164E-02	6.218E-02	6.378E-02	6.482E-02	6.600E-02
2.00E-02---	-5.00E-02	6.100E-02	6.105E-02	6.126E-02	6.164E-02	6.218E-02	6.378E-02	6.482E-02	6.600E-02
ENERGY GROUP (MEV)	ANGLE 10 MU= 0.0950	ANGLE 11 MU= 0.2816	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9894	SCALAR FLUX
8.00E 00---	1.018E-05	1.498E-05	2.317E-05	6.692E-05	8.785E-05	5.954E-05	5.596E-05	3.195E-03	9.933E-06
6.50E 00---	-6.50E 00	2.992E-04	4.259E-04	5.505E-04	7.404E-04	1.302E-03	3.156E-03	6.747E-03	4.393E-03
5.00E 00---	-5.00E 00	2.028E-04	3.332E-04	3.646E-04	4.6442E-04	3.697E-04	7.861E-04	8.570E-03	4.095E-02
3.00E 00---	-4.00E 00	2.00E-04	2.332E-04	3.662E-04	4.532E-04	1.100E-03	3.387E-03	9.547E-03	2.498E-02
2.50E 00---	-3.00E 00	2.982E-04	3.934E-04	4.839E-04	8.024E-04	1.957E-03	5.48E-03	1.281E-02	3.365E-02
2.00E 00---	-2.50E 00	3.472E-04	4.422E-04	6.209E-04	1.258E-03	2.970E-03	6.851E-03	1.488E-02	3.301E-02
1.66E 00---	-2.00E 00	2.750E-04	3.461E-04	7.315E-04	1.839E-03	4.190E-03	8.513E-03	1.597E-02	2.403E-02
1.33E 00---	-1.66E 00	2.973E-04	3.147E-04	8.579E-04	1.241E-03	3.041E-03	6.149E-03	1.077E-02	2.739E-02
1.00E 00---	-1.33E 00	1.008E-03	2.377E-03	4.651E-03	2.330E-03	4.959E-03	8.578E-03	1.263E-02	3.407E-02
8.00E-01---	-1.00E 00	3.096E-03	5.486E-03	8.152E-03	1.068E-02	1.281E-02	1.405E-02	1.611E-02	1.745E-02
6.00E-01---	-8.00E-01	1.064E-02	1.313E-02	1.510E-02	1.655E-02	1.789E-02	1.458E-02	1.612E-02	1.749E-02
4.00E-01---	-6.00E-01	1.565E-02	1.615E-02	1.706E-02	1.879E-02	1.974E-02	2.213E-02	2.503E-02	2.175E-02
3.00E-01---	-4.00E-01	2.392E-02	2.528E-02	2.700E-02	2.891E-02	3.091E-02	3.499E-02	3.648E-02	3.445E-01
2.00E-01---	-2.00E-01	8.156E-02	8.681E-02	9.263E-02	9.884E-02	1.051E-01	1.111E-01	1.160E-01	1.039E-00
5.00E-02---	-1.00E-01	2.454E-01	2.576E-01	2.707E-01	2.842E-01	2.974E-01	3.185E-01	3.242E-01	3.094E-00
2.00E-02---	-5.00E-02	6.730E-02	6.868E-02	7.010E-02	7.148E-02	7.275E-02	7.383E-02	7.464E-02	8.435E-01

4 PL R**2 FLUENCE AT 1500.0 METERS

10.00 TO 12.20 MEV NEUTRON SOL. CE

(GAMMAS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
GROUP (MEV)	MU=-1.0000	MU=-0.9894	MU=-0.9646	MU=-0.8656	MU=-0.7550	MU=-0.6179	MU=-0.4580	MU=-0.2816	MU=-0.0950
8.00E 00---1.00E 01	-9.214E-07	-5.548E-07	3.623E-07	1.746E-06	2.287E-06	9.479E-06	2.471E-06	1.764E-06	
6.50E 00---8.00E 00	-8.785E-06	-6.503E-06	1.346E-07	6.973E-06	1.018E-05	6.716E-05	6.017E-05	1.603E-06	5.357E-06
5.00E 00---6.50E 00	-8.559E-05	-6.632E-05	5.297E-05	6.742E-05	4.167E-05	3.521E-05	4.167E-05	5.858E-05	
4.00E 00---5.00E 00	-7.692E-05	-6.021E-05	-7.689E-06	3.166E-05	3.435E-07	7.585E-06	1.880E-05	1.880E-05	
3.00E 00---4.00E 00	-6.824E-05	-5.184E-05	-4.362E-07	3.817E-05	3.709E-05	5.042E-05	4.482E-06	3.296E-05	
2.50E 00---3.00E 00	-6.195E-05	-2.95E-05	-9.82E-06	4.656E-05	5.445E-05	4.037E-05	2.06E-05	2.278E-05	5.866E-05
2.00E 00---2.50E 00	-4.295E-05	4.236E-05	3.961E-05	3.566E-05	3.583E-05	4.658E-05	6.902E-05	9.387E-05	
1.66E 00---2.00E 00	1.25E-04	1.093E-04	5.565E-05	8.527E-06	-5.531E-06	6.495E-05	1.572E-05	1.02E-04	1.02E-04
1.33E 00---1.66E 00	1.989E-04	1.738E-04	7.575E-05	-6.059E-06	-2.392E-05	1.592E-05	1.048E-04	1.513E-04	1.155E-04
1.00E 00---1.33E 00	1.553E-04	1.323E-04	4.623E-05	-1.938E-05	-2.116E-05	2.545E-05	1.006E-04	1.157E-04	7.274E-05
8.00E-01---1.00E 00	-4.396E-05	-3.473E-05	-1.093E-06	3.695E-05	8.199E-05	8.484E-05	4.188E-05	1.338E-04	
6.00E-01---8.00E-01	-2.143E-04	-1.663E-04	-1.077E-05	1.192E-04	2.083E-04	2.121E-04	5.417E-04	1.686E-04	6.571E-04
4.00E-01---6.00E-01	8.862E-04	8.779E-04	8.524E-04	8.449E-04	9.344E-04	1.222E-03	1.808E-03	2.728E-03	3.905E-03
3.00E-01---4.00E-01	1.089E-03	1.132E-03	1.350E-03	1.873E-03	2.780E-03	4.008E-03	5.311E-03	6.382E-03	7.008E-03
2.00E-01---3.00E-01	1.136E-02	1.139E-02	1.146E-02	1.450E-02	1.140E-02	1.116E-02	1.044E-02	1.062E-02	1.063E-02
1.00E-01---2.00E-01	2.858E-02	2.886E-02	2.938E-02	3.011E-02	3.017E-02	3.227E-02	3.372E-02	3.545E-02	
5.00E-02---1.00E-01	9.028E-02	9.096E-02	9.222E-02	9.405E-02	9.647E-02	9.949E-02	1.031E-01	1.074E-01	
2.00E-02---5.00E-02	2.798E-02	2.807E-02	2.924E-02	2.848E-02	2.880E-02	2.918E-02	2.964E-02	3.015E-02	
ENERGY	ANGLE 10	ANGLE 11	ANGLE 12	ANGLE 13	ANGLE 14	ANGLE 15	ANGLE 16	ANGLE 17	SCALAR
GROUP (MEV)	MU= 0.0950	MU= 0.2816	MU= 0.4580	MU= 0.6179	MU= 0.7550	MU= 0.8656	MU= 0.9446	MU= 0.9894	FLUX
8.00E 00---1.00E 01	3.578E-06	5.673E-06	7.315E-06	9.592E-06	1.916E-05	6.106E-05	5.599E-04	1.905E-03	4.986E-04
6.50E 00---8.00E 00	1.505E-05	2.462E-05	2.918E-05	3.219E-05	6.858E-05	2.614E-04	1.661E-04	7.486E-03	2.079E-03
5.00E 00---6.50E 00	1.087E-04	1.619E-04	1.966E-04	2.401E-04	4.497E-04	1.306E-03	4.528E-03	2.129E-02	7.587E-03
4.00E 00---5.00E 00	1.00E-04	1.311E-04	1.19E-04	8.612E-05	2.431E-04	1.171E-03	4.592E-03	5.871E-03	
3.00E 00---4.00E 00	9.781E-05	1.397E-04	1.234E-04	1.251E-04	4.329E-04	1.667E-03	5.034E-03	1.377E-02	6.333E-03
2.50E 00---3.00E 00	1.064E-04	1.311E-04	1.394E-04	2.598E-04	8.262E-04	2.465E-03	6.300E-03	1.574E-02	8.166E-03
2.00E 00---2.50E 00	1.078E-04	1.171E-04	1.885E-04	4.973E-04	1.369E-03	3.322E-03	7.170E-03	1.492E-02	9.688E-03
1.66E 00---2.00E 00	6.488E-05	6.947E-05	2.619E-04	8.451E-04	2.058E-03	4.179E-03	7.575E-03	1.306E-02	1.090E-02
1.33E 00---1.66E 00	4.982E-05	5.143E-04	5.279E-04	1.479E-03	3.043E-03	5.191E-03	7.944E-03	1.144E-02	1.315E-02
1.00E 00---1.33E 00	8.773E-05	3.797E-04	1.166E-03	2.517E-03	4.264E-03	6.049E-03	8.735E-03	1.590E-02	1.590E-02
8.00E-01---1.00E 00	4.780E-04	1.204E-03	2.357E-03	3.819E-03	5.307E-03	6.472E-03	7.083E-03	2.051E-02	
6.00E-01---8.00E-01	1.562E-03	2.757E-03	4.301E-03	5.069E-03	5.867E-03	6.459E-03	6.922E-03	7.390E-03	2.783E-02
4.00E-01---6.00E-01	5.153E-03	6.241E-03	7.015E-03	7.510E-03	7.960E-03	8.665E-03	9.713E-03	1.075E-02	5.742E-02
3.00E-01---4.00E-01	7.235E-03	7.344E-03	8.435E-03	8.435E-03	9.442E-03	1.039E-02	1.087E-02	8.188E-02	
2.00E-01---3.00E-01	1.094E-02	1.151E-02	1.222E-02	1.297E-02	1.374E-02	1.454E-02	1.531E-02	1.588E-02	1.486E-01
1.00E-01---2.00E-01	3.745E-02	3.972E-02	4.220E-02	4.481E-02	4.740E-02	4.980E-02	5.174E-02	5.294E-02	4.750E-01
5.00E-02---1.00E-01	1.122E-01	1.175E-01	1.233E-01	1.288E-01	1.343E-01	1.430E-01	1.412E-00	1.453E-01	
2.00E-02---5.00E-02	3.072E-02	3.131E-02	3.191E-02	3.250E-02	3.304E-02	3.383E-02	3.349E-02	3.403E-02	3.848E-01

4 PI R**2 FLUENCE AT 1800.0 METERS

10.00 TO 12.20 MEV NEUTRON SOURCE

(GAMMAS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=-1.00E 01	ANGLE 2 MU= 0.9894	ANGLE 3 MU= 0.8646	ANGLE 4 MU= 0.7550	ANGLE 5 MU= 0.6179	ANGLE 6 MU= 0.4580	ANGLE 7 MU= 0.2886	ANGLE 8 MU= 0.0950	ANGLE 9 MU=-0.0950
8.00E 00---1.00E 01	-7.973E-07	-5.937E-07	1.088E-08	6.902E-07	9.208E-07	7.741E-07	2.018E-07	1.238E-07	4.647E-07
6.50E 00---8.00E 00	-5.804E-06	-4.576E-06	-6.902E-07	2.271E-06	4.980E-06	2.605E-06	-1.548E-07	-9.138E-07	9.733E-07
5.00E 00---6.50E 00	-1.191E-05	-1.591E-06	-1.591E-06	2.262E-05	7.911E-05	2.104E-05	-7.140E-06	1.129E-06	1.676E-05
4.00E 00---5.00E 00	-3.348E-05	-7.421E-05	1.356E-06	3.109E-05	1.233E-05	-7.164E-05	-1.129E-05	2.794E-06	2.794E-06
3.00E 00---4.00E 00	-3.938E-05	-3.095E-05	-4.293E-06	1.607E-05	3.176E-05	1.241E-05	-5.210E-06	-6.151E-06	9.911E-06
2.50E 00---3.00E 00	-1.872E-05	-1.365E-05	3.948E-07	1.704E-05	1.912E-05	9.659E-06	8.554E-07	4.219E-06	1.937E-05
2.00E 00---2.50E 00	1.826E-05	1.756E-05	1.478E-05	1.033E-05	6.743E-06	7.231E-06	1.385E-05	2.469E-05	3.301E-05
1.66E 00---2.00E 00	6.043E-05	5.270E-05	2.235E-05	-4.335E-06	-1.289E-05	8.644E-07	2.480E-05	4.546E-05	3.284E-05
1.33E 00---1.66E 00	9.500E-05	8.145E-05	2.999E-05	-1.368E-05	-2.291E-05	8.779E-07	4.480E-05	6.197E-05	2.479E-05
1.00E 00---1.33E 00	6.964E-05	5.832E-05	1.695E-05	-1.76E-05	-1.490E-05	8.272E-06	4.262E-05	4.293E-05	8.431E-06
8.00E-01---1.00E 00	-3.502E-05	-2.907E-05	-7.882E-06	1.470E-05	3.789E-05	3.310E-05	9.300E-06	2.037E-06	4.940E-05
6.00E-01---8.00E-01	-1.169E-04	-9.272E-05	-1.426E-05	5.122E-05	9.016E-05	3.353E-05	4.575E-05	6.902E-05	3.153E-04
4.00E-01---6.00E-01	4.122E-04	4.063E-04	3.875E-04	3.702E-04	4.190E-04	5.642E-04	8.580E-04	1.308E-03	1.862E-03
3.00E-01---4.00E-01	4.740E-04	4.972E-04	6.130E-04	8.802E-04	1.329E-03	1.919E-03	2.524E-03	2.997E-03	3.244E-03
2.00E-01---3.00E-01	5.375E-03	5.383F-03	5.404E-03	5.397E-03	5.318E-03	5.164E-03	4.979E-03	4.842E-03	4.823E-03
1.00E-01---2.00E-01	1.301E-02	1.304E-02	1.317E-02	1.340E-02	1.373E-02	1.416E-02	1.469E-02	1.534E-02	1.609E-02
5.00E-02---1.00E-01	4.087E-02	4.124E-02	4.180E-02	4.260E-02	4.366E-02	4.498E-02	4.656E-02	4.860E-02	4.860E-02
2.00E-02---5.00E-02	1.260E-02	1.261E-02	1.265E-02	1.272E-02	1.283E-02	1.297E-02	1.313E-02	1.333E-02	1.355E-02
ENERGY GROUP (MEV)	ANGLE 10 MU= 0.0950	ANGLE 11 MU= 0.2816	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9894	SCALAR FLUX
8.00E 00---1.00E 01	1.370E-06	2.267E-06	2.637E-06	2.783E-06	5.966E-06	2.471E-05	1.239E-04	9.876E-04	2.487E-04
6.50E 00---8.00E 00	5.766E-06	1.012E-05	9.899E-06	6.888E-06	1.627E-05	1.002E-04	5.283E-04	3.407E-03	3.896E-03
5.00E 00---6.50E 00	4.054E-05	6.252E-05	6.797E-05	6.789E-05	1.405E-05	6.697E-05	5.257E-04	2.160E-03	8.026E-03
4.00E 00---5.00E 00	3.572E-05	5.774E-05	4.021E-05	-2.15E-05	1.996E-05	1.651E-04	8.055E-04	2.557E-03	2.748E-03
3.00E 00---4.00E 00	4.284E-05	5.872E-05	3.724E-05	1.996E-05	1.996E-05	1.651E-04	1.182E-03	3.053E-03	3.684E-03
2.50E 00---3.00E 00	3.973E-05	4.352E-05	3.400E-05	8.04E-05	8.04E-05	3.584E-04	3.584E-04	7.921E-03	7.226E-03
2.00E 00---2.50E 00	3.157E-05	2.559E-05	5.268E-05	2.03E-05	2.03E-05	1.597E-03	1.597E-03	3.190E-03	6.627E-03
1.66E 00---2.00E 00	-1.965E-07	5.759E-06	9.769E-05	3.973E-04	1.004E-03	2.011E-03	3.511E-03	5.651E-03	4.933E-03
1.33E 00---1.66E 00	-8.300E-06	2.666E-05	2.359E-04	7.199E-04	1.481E-03	2.449E-03	3.388E-03	4.749E-03	5.918E-03
1.00E 00---1.33E 00	2.676E-05	1.736E-04	5.755E-04	1.241E-03	2.053E-03	2.799E-03	3.000E-03	3.574E-03	7.299E-03
8.00E-01---1.00E 00	2.285E-04	5.970E-04	1.157E-03	1.833E-03	2.471E-03	2.904E-03	3.044E-03	3.985E-03	9.414E-03
6.00E-01---8.00E-01	1.301E-03	7.695E-04	1.343E-03	1.905E-03	2.322E-03	2.627E-03	2.815E-03	2.983E-03	3.134E-03
4.00E-01---6.00E-01	2.435E-03	2.900E-03	3.198E-03	3.338E-03	3.506E-03	3.711E-03	4.215E-03	4.636E-03	5.617E-03
3.00E-01---4.00E-01	3.292E-03	3.426E-03	3.751E-03	4.181E-03	4.531E-03	4.81E-03	5.181E-03	5.643E-03	6.714E-03
2.00E-01---3.00E-01	4.947E-03	5.183E-03	5.472E-03	5.770E-03	6.067E-03	6.378E-03	6.684E-03	6.911E-03	6.730E-02
1.00E-01---2.00E-01	1.695E-02	1.792E-02	1.897E-02	2.006E-02	2.113E-02	2.211E-02	2.288E-02	2.336E-02	2.143E-01
5.00E-02---1.00E-01	5.046E-02	5.271E-02	5.509E-02	5.48E-02	5.976E-02	6.176E-02	6.331E-02	6.423E-02	6.339E-01
2.00E-02---5.00E-02	1.379E-02	1.404E-02	1.430E-02	1.455E-02	1.477E-02	1.496E-02	1.510E-02	1.518E-02	1.727E-01

⁴PI R**2 HENDERSON DOSE (NEUTRONS)
(CH**2 KAD/STERADIANT/SOURCE NEUTRON)

1C.00C TO 12.20C MEV NEUTRON SOURCE

COSINE	75.0	100.0	150.0	RANGE (METERS)	200.C	250.C	300.C	400.G
-1.0000CE 00	7.437E-11	9.61E-11	1.142E-10	1.290E-10	1.365E-10	1.382E-10	1.300E-10	1.300E-10
-9.5941E-01	7.185E-11	9.15E-11	1.187E-10	1.302E-10	1.375E-10	1.391E-10	1.306E-10	1.306E-10
-9.4457E-01	7.789E-11	9.471E-11	1.187E-10	1.334E-10	1.405E-10	1.419E-10	1.329E-10	1.329E-10
-8.65631E-01	7.962E-11	9.684E-11	1.212E-10	1.356E-10	1.423E-10	1.440E-10	1.353E-10	1.353E-10
-7.55044E-01	8.C03E-11	9.764E-11	1.228E-10	1.384E-10	1.472E-10	1.491E-10	1.400E-10	1.400E-10
-6.17876E-01	8.280E-11	1.C11E-10	1.273E-10	1.438E-10	1.519E-10	1.541E-10	1.454E-10	1.454E-10
-4.58017E-01	8.643E-11	1.596E-10	1.334E-10	1.517E-10	1.611E-10	1.638E-10	1.549E-10	1.549E-10
-2.81605E-01	9.536E-11	1.167E-10	1.474E-10	1.776E-10	1.803E-10	1.701E-10	1.701E-10	1.701E-10
-9.50125E-02	1.086E-10	1.335E-10	1.680E-10	1.991E-10	2.010E-10	1.910E-10	1.910E-10	1.910E-10
9.50125E-02	1.663E-10	1.589E-10	1.977E-10	2.234E-10	2.352E-10	2.343E-10	2.189E-10	2.189E-10
2.81605E-01	1.770E-10	1.834E-10	2.300E-10	2.571E-10	2.698E-10	2.737E-10	2.535E-10	2.535E-10
4.58017E-01	1.979E-10	2.095E-10	2.801E-10	3.095E-10	3.237E-10	3.222E-10	2.982E-10	2.982E-10
6.17876E-01	2.590E-10	3.286E-10	3.413E-10	3.790E-10	3.944E-10	3.964E-10	3.648E-10	3.648E-10
7.55044E-01	5.336E-10	5.188E-10	4.741E-10	5.180E-10	5.247E-10	5.294E-10	4.823E-10	4.823E-10
8.65631E-01	1.513E-C9	1.C14E-C9	8.854E-10	8.398E-10	8.322E-10	8.111E-10	7.178E-10	7.178E-10
9.44575E-01	2.795E-C9	2.668E-C9	1.219E-09	1.955E-09	1.747E-09	1.584E-09	1.288E-09	1.288E-09
9.89401E-01	1.570E-C8	1.526E-C8	1.365E-08	1.157E-08	9.554E-09	7.810E-09	5.150E-09	5.150E-09
TOTAL	6.511CE-C9	6.296E-C9	6.C83E-09	5.872E-09	5.577E-09	5.210E-09	4.389E-09	4.389E-09
COSINE	500.C	600.0	900.0	RANGE (METERS)	1200.C	1500.0	1800.0	
-1.0000CE 00	1.132E-10	9.366E-11	4.376E-11	1.719E-11	1.719E-11	6.100E-12	6.000E-12	6.000E-12
-9.81401E-C1	1.137E-10	9.439E-11	4.391E-11	1.747E-11	1.747E-11	6.119E-12	2.030E-12	2.030E-12
-9.44575E-01	1.155E-10	9.544E-11	4.449E-11	1.788E-11	1.788E-11	6.198E-12	2.056E-12	2.056E-12
-8.65631E-01	1.178E-10	9.747E-11	4.550E-11	1.820E-11	1.820E-11	6.346E-12	2.105E-12	2.105E-12
-7.55044E-01	2.194E-10	1.008E-10	4.712E-11	1.852E-11	1.852E-11	6.577E-12	2.182E-12	2.182E-12
-6.17876E-01	1.270E-10	1.C53E-10	4.938E-11	1.944E-11	1.944E-11	6.907E-12	2.292E-12	2.292E-12
-4.58017E-01	1.354E-10	1.124E-10	5.272E-11	2.075E-11	2.075E-11	7.366E-12	2.444E-12	2.444E-12
-2.81605E-01	1.484E-10	5.740E-11	2.253E-11	2.253E-11	2.253E-11	7.986E-12	2.647E-12	2.647E-12
-9.50125E-02	1.660E-10	1.370E-10	6.363E-11	2.488E-11	2.488E-11	8.794E-12	2.909E-12	2.909E-12
9.50125E-02	1.893E-10	1.556E-10	7.164E-11	2.788E-11	2.788E-11	9.887E-12	3.245E-12	3.245E-12
2.81605E-01	2.183E-10	1.789E-10	8.185E-11	3.174E-11	3.174E-11	1.116E-11	3.678E-12	3.678E-12
4.58017E-01	2.562E-10	2.095E-10	9.545E-11	3.689E-11	3.689E-11	1.294E-11	4.258E-12	4.258E-12
6.17876E-01	3.124E-10	2.548E-10	1.153E-10	4.431E-11	4.431E-11	1.448E-11	5.074E-12	5.074E-12
7.55044E-01	4.C92E-10	3.311E-10	1.470E-10	5.576E-11	5.576E-11	1.928E-11	6.275E-12	6.275E-12
8.65631E-01	5.958E-10	4.734E-10	2.018E-10	7.4448E-11	7.4448E-11	2.262E-11	8.102E-12	8.102E-12
9.44575E-01	1.015E-09	7.758E-10	3.055E-10	1.071E-10	1.071E-10	3.504E-11	1.095E-11	1.095E-11
9.89401E-01	3.386E-C9	2.229E-C9	6.445E-10	1.885E-10	1.885E-10	5.514E-11	1.6C1E-11	1.6C1E-11
TOTAL	3.5555E-C9	2.792E-C9	1.187E-09	4.435E-10	4.435E-10	1.525E-10	4.952E-11	4.952E-11

4 PI R**2 SNYDER-NEUFELD DOSE (NEUTRONS)
 (CM**2 RAD/STERADIAN/SOURCE NEUTRON)

1C.000 TO 12.20C MEV NEUTRON SOURCE

COSINE	75.0	100.0	150.0	RANGE (METERS)	200.C	250.C	300.0	400.0
-1.0000E 00	1.087E-10	1.337E-10	1.720E-10	1.282E-10	2.136E-10	2.208E-10	2.154E-10	2.154E-10
-9.89401E-01	1.102E-10	1.254E-10	1.737E-10	1.998E-10	2.152E-10	2.220E-10	2.163E-10	2.163E-10
-9.44575E-01	1.133E-10	1.391E-10	1.779E-10	2.040E-10	2.193E-10	2.258E-10	2.194E-10	2.194E-10
-8.65631E-01	1.154E-10	1.417E-10	1.810E-10	2.069E-10	2.218E-10	2.288E-10	2.230E-10	2.230E-10
-7.55044E-01	1.158E-10	1.427E-10	1.831E-10	2.108E-10	2.288E-10	2.361E-10	2.300E-10	2.300E-10
-6.17876E-01	1.196E-10	1.475E-10	1.896E-10	2.186E-10	2.356E-10	2.437E-10	2.392E-10	2.392E-10
-4.58017E-01	1.249E-10	1.541E-10	1.985E-10	2.302E-10	2.491E-10	2.579E-10	2.423E-10	2.423E-10
-2.81605E-01	1.376E-10	1.699E-10	1.986E-10	2.373E-10	2.820E-10	2.947E-10	2.747E-10	2.747E-10
-9.50125E-02	1.564E-10	1.937E-10	2.480E-10	2.833E-10	3.067E-10	3.154E-10	3.05E-10	3.05E-10
9.50125E-02	2.362E-10	2.305E-10	2.917E-10	3.314E-10	3.54CE-10	3.599E-10	3.453E-10	3.453E-10
2.81605E-01	2.538E-10	2.629E-10	3.337E-10	3.810E-10	4.054E-10	4.153E-10	3.950E-10	3.950E-10
4.58017E-01	2.822E-10	3.277E-10	4.080E-10	4.533E-10	4.797E-10	4.845E-10	4.587E-10	4.587E-10
6.17876E-01	3.652E-10	4.668E-10	4.903E-10	5.525E-10	5.809E-10	5.887E-10	5.530E-10	5.530E-10
7.55044E-01	7.419E-10	7.280E-10	6.782E-10	7.755E-10	7.759E-10	7.755E-10	7.181E-10	7.181E-10
8.65631E-01	8.088E-09	1.408E-09	1.247E-09	1.194E-09	1.192E-09	1.168E-09	1.047E-09	1.047E-09
9.44575E-01	3.843E-09	3.678E-09	3.086E-09	2.332E-09	2.457E-09	2.239E-09	1.840E-09	1.840E-09
9.89401E-01	2.146E-08	2.087E-08	1.872E-08	1.590E-08	1.315E-08	1.078E-08	7.150E-09	7.150E-09
TOTAL	9.018E-09	8.777E-09	8.587E-09	8.393E-09	8.066E-09	7.644E-09	6.606E-09	6.606E-09

COSINE	500.0	600.C	RANGE (METERS)	900.0	1200.C	1500.0	1800.0
-1.0000E 00	1.939E-10	1.652E-10	8.290E-11	3.416E-11	1.254E-11	4.263E-12	4.263E-12
-9.89401E-01	1.946E-10	1.658E-10	8.304E-11	3.425E-11	1.257E-11	4.273E-12	4.273E-12
-9.44575E-01	1.972E-10	1.678E-10	8.397E-11	3.462E-11	1.271E-11	4.319E-12	4.319E-12
-8.65631E-01	2.007E-10	1.709E-10	8.562E-11	3.531E-11	1.296E-11	4.406E-12	4.406E-12
-7.55044E-01	2.069E-10	1.762E-10	8.823E-11	3.338E-11	1.335E-11	4.537E-12	4.537E-12
-6.17876E-01	2.147E-10	1.832E-10	9.186E-11	3.788E-11	1.39CE-11	4.723E-12	4.723E-12
-4.58017E-01	2.271E-10	1.940E-10	9.710E-11	3.978E-11	1.465E-11	4.973E-12	4.973E-12
-2.81605E-01	2.468E-10	2.098E-10	1.043E-10	4.279E-11	1.565E-11	5.303E-12	5.303E-12
-9.50125E-02	2.727E-10	2.307E-10	1.138E-10	4.64E-11	1.692E-11	5.721E-12	5.721E-12
9.50125E-02	3.065E-10	2.580E-10	1.258E-10	5.103E-11	1.852E-11	6.248E-12	6.248E-12
2.81605E-01	3.484E-10	2.919E-10	1.41CE-10	5.684E-11	2.055E-11	6.914E-12	6.914E-12
4.58017E-01	4.022E-10	3.360E-10	1.609E-10	6.447E-11	2.322E-11	7.787E-12	7.787E-12
6.17876E-01	4.826E-10	4.006E-10	1.895E-10	7.527E-11	2.693E-11	8.989E-12	8.989E-12
7.55044E-01	6.190E-10	5.084E-10	2.347E-10	9.163E-11	3.242E-11	1.073E-11	1.073E-11
8.65631E-01	8.802E-10	7.08CE-10	3.120E-10	1.182E-10	4.093E-11	1.334E-11	1.334E-11
9.44575E-01	1.464E-09	1.130E-09	4.575E-10	1.642E-10	5.475E-11	1.737E-11	1.737E-11
9.89401E-01	4.731E-09	3.137E-09	9.290E-10	2.782E-10	8.304E-11	2.453E-11	2.453E-11
TOTAL	5.481E-09	4.402E-09	1.980E-09	7.708E-10	2.731E-10	9.068E-11	9.068E-11

⁴ PI R**2 TISSUE KERMA (NEUTRONS)
(CH**2 ERGS/GRAM/STERADIAN/SOURCE NEUTRON)

1C.000 TO 12.200 MEV NEUTRON SOURCE

COSINE	75.0	1CC.0	150.0	RANGE (METERS)	250.0	300.0	400.0
-1.00000E 00	7.679E-C9	9.369E-09	1.186E-C8	1.347E-08	1.431E-08	1.456E-C8	1.382E-C8
-9.89401E-01	7.806E-C9	9.511E-C9	1.201E-08	1.36CE-C8	1.443E-08	1.467E-C8	1.389E-08
-9.44575E-01	8.081E-C9	9.837E-C9	1.231E-08	1.396E-08	1.477E-08	1.497E-08	1.414E-08
-8.65631E-01	1.C08E-08	1.C20E-08	1.265E-08	1.420E-08	1.497E-08	1.540E-08	1.440E-08
-7.55044E-01	8.322E-09	1.016E-08	1.282E-08	1.45CE-08	1.559E-08	1.575E-C8	1.490E-08
-6.17876E-01	8.610E-09	1.053E-08	1.329E-08	1.5CE-08	1.597E-08	1.626E-08	1.545E-08
-4.58017E-01	8.973E-C9	1.097E-C8	1.389E-C3	1.586E-08	1.690E-08	1.725E-C8	1.643E-08
-2.81605E-01	9.966E-09	1.138E-C8	1.535E-C8	1.749E-08	1.862E-08	1.897E-C8	1.802E-08
-9.50125E-02	1.130E-C8	1.389E-08	1.752E-08	1.987E-08	2.108E-08	2.140E-C8	2.021E-C8
9.50125E-02	1.734E-C8	1.659E-C8	2.066E-08	2.34CE-08	2.468E-08	2.463E-C8	2.313E-08
2.81605E-01	1.853E-08	1.915E-08	2.404E-08	2.688E-08	2.826E-08	2.876E-C8	2.678E-08
4.58017E-01	2.073E-C8	2.384E-08	2.931E-08	3.239E-08	3.J91E-08	3.379E-C8	3.139E-08
6.17876E-01	2.752E-08	3.458E-28	3.564E-08	3.963E-08	4.126E-08	4.153E-C8	3.831E-08
7.55044E-01	5.784E-C8	5.552E-08	4.981E-08	5.435E-08	5.610E-08	5.676E-08	5.067E-08
8.65631E-01	1.665E-C7	1.103E-07	9.438E-C8	8.894E-08	8.822E-08	8.565E-C8	7.574E-08
9.44575E-01	3.085E-07	2.931E-C7	2.424E-07	2.111E-07	1.876E-07	1.694E-C7	1.372E-C7
9.89401E-01	1.750E-C6	1.6988E-06	1.516E-06	1.281E-06	1.055E-06	8.538E-C7	5.540E-07
TOTAL	7.123E-C7	6.849E-07	6.559E-07	6.297E-07	5.953E-07	5.556E-C7	4.674E-C7
COSINE	500.0	600.0	900.0	RANGE (METERS)	1200.0	1500.0	1800.0
-1.CCC03E 00	1.213E-08	1.011E-08	4.805E-09	1.910E-09	6.835E-10	2.281E-10	
-9.89401E-01	1.219E-C8	1.015E-08	4.821E-C9	1.916E-09	6.856E-10	2.288E-10	
-9.44575E-01	1.238E-C8	1.C3CE-C8	4.884E-09	1.941E-C9	6.941E-10	2.316E-10	
-8.65631E-01	1.263E-C8	1.052E-C8	4.993E-09	1.951E-10	7.101E-10	2.370E-10	
-7.55044E-01	1.307E-08	1.C88E-C8	5.105E-09	2.054E-09	7.349E-10	2.533E-10	
-6.17876E-01	1.359E-C8	1.134E-08	5.403E-09	2.151E-09	7.701E-10	2.571E-10	
-4.58017E-01	1.447E-08	1.208E-08	5.755E-C9	2.289E-09	8.179E-10	2.732E-10	
-2.81605E-C1	1.583E-C8	1.318E-C8	6.247E-09	2.478E-09	8.846E-10	2.947E-10	
-9.50125E-02	1.767E-C8	1.466E-08	6.900E-09	2.724E-09	9.699E-10	3.225E-10	
9.50125E-02	2.10E-C8	1.666E-08	7.740E-09	3.039E-C9	1.078E-09	3.578E-10	
2.81605E-01	2.313E-C8	1.903E-08	8.804E-09	3.442E-09	1.218E-09	4.032E-10	
4.58017E-01	2.706E-C8	2.221E-C8	1.022E-08	3.978E-09	1.403E-09	4.636E-10	
6.17876E-01	3.290E-08	2.691E-C8	1.227E-C8	4.749E-09	1.667E-09	5.484E-10	
7.55044E-01	4.307E-08	3.491E-08	1.559E-08	5.942E-09	2.063E-09	6.733E-10	
8.65631E-01	6.288E-C8	4.999E-08	2.136E-08	7.906E-09	2.688E-09	8.639E-10	
9.44575E-01	1.C79E-C7	8.238E-C8	3.240E-C8	1.136E-08	3.717E-09	1.163E-09	
9.89401E-01	3.690E-C7	2.418E-07	6.923E-08	2.013E-08	5.866E-09	1.701E-C9	
TOTAL	3.787E-C7	2.978E-C7	1.275E-07	4.794E-C8	1.657E-08	5.403E-C9	

4 PI R**2 MID-PHANTOM DOSE (NEUTRONS)
ICM**2 RAD/STERADIAN/SOURCE NEUTRON

10.000 TO 12.200 MEV NEUTRON SOURCE

COSINE	75.0	100.0	150.0	RANGE (METERS)	250.0	300.0	400.0
				200.0			
-1.00000E 00	3.994E-11	4.647E-11	5.453E-11	5.857E-11	5.96CE-11	5.860E-11	5.284E-11
-9.89401E-01	4.090E-11	4.752E-11	5.559E-11	5.52E-11	6.042E-11	5.928E-11	5.331E-11
-9.44575E-01	4.289E-11	4.986E-11	5.813E-11	6.195E-11	6.26CE-11	6.118E-11	5.470E-11
-8.65631E-01	4.412E-11	5.131E-11	5.970E-11	6.305E-11	6.324E-11	6.201E-11	5.565E-11
-7.55044E-01	4.396E-11	5.131E-11	6.001E-11	6.16E-11	6.6C2E-11	6.466E-11	5.793E-11
-6.17876E-01	4.553E-11	5.320E-11	6.228E-11	6.671E-11	6.756E-11	6.641E-11	5.986E-11
-4.58017E-01	4.743E-11	5.510E-11	7.054E-11	7.71E-11	7.106E-11	6.429E-11	
-2.81605E-01	5.346E-11	6.272E-11	7.397E-11	8.008E-11	8.174E-11	8.045E-11	7.246E-11
-9.50125E-02	6.266E-11	7.412E-11	8.745E-11	9.441E-11	9.601E-11	9.407E-11	8.401E-11
9.50125E-02	1.022E-10	8.936E-11	1.025E-10	1.191E-10	1.208E-10	1.116E-10	9.979E-11
2.81605E-01	1.129E-10	1.081E-10	1.297E-10	1.337E-10	1.347E-10	1.362E-10	1.187E-10
4.58017E-01	1.251E-10	1.415E-10	1.625E-10	1.71CE-10	1.722E-10	1.625E-10	1.430E-10
6.17876E-01	1.767E-10	2.105E-10	1.948E-10	2.104E-10	2.107E-10	2.080E-10	1.812E-10
7.55044E-01	4.059E-10	3.682E-10	2.989E-10	3.089E-10	3.091E-10	2.951E-10	2.567E-10
8.65631E-01	1.239E-09	7.642E-10	6.135E-10	5.487E-10	5.254E-10	4.998E-10	4.232E-10
9.44575E-01	2.329E-09	2.177E-09	1.739E-09	1.559E-09	1.256E-09	1.105E-09	8.599E-10
9.89401E-01	1.360E-C8	1.314E-C8	1.163E-08	9.748E-C9	7.949E-09	6.417E-C9	4.120E-09
TOTAL	5.154E-09	4.797E-C9	4.324E-09	3.343E-09	3.556E-09	3.178E-09	2.488E-09

6

COSINE	500.0	600.0	900.0	RANGE (METERS)	1200.0	1500.0	1800.0
				200.0.C			
-1.00000E 00	4.482E-11	3.646E-11	1.670E-11	6.552E-12	2.333E-12	7.775E-13	
-9.89401E-01	4.513E-11	3.667E-11	1.676E-11	6.574E-12	2.34CE-12	7.796E-13	
-9.44575E-01	4.613E-11	3.738E-11	1.701E-11	6.660E-12	2.369E-12	7.889E-13	
-8.65631E-01	4.702E-11	3.815E-11	1.739E-11	6.808E-12	2.421E-12	8.060E-13	
-7.55044E-01	4.888E-11	3.962E-11	1.802E-11	7.044E-12	2.5C3E-12	8.328E-13	
-6.17876E-01	5.075E-11	4.126E-11	1.885E-11	7.378E-12	2.622E-12	8.719E-13	
-4.58017E-01	5.458E-11	4.485E-11	2.022E-11	7.890E-12	2.795E-12	9.277E-13	
-2.81605E-01	6.121E-11	4.952E-11	2.228E-11	8.23E-12	3.038E-12	1.004E-12	
-9.50125E-02	7.042E-11	5.659E-11	2.51CE-11	9.609E-12	3.362E-12	1.106E-12	
9.50125E-02	8.282E-11	6.604E-11	2.876E-11	1.088E-11	3.779E-12	1.236E-12	
2.81605E-01	9.800E-11	7.77CE-11	3.339E-11	1.253E-11	4.324E-12	1.4C9E-12	
4.58017E-01	1.177E-10	9.312E-11	3.976E-11	1.683E-11	5.095E-12	1.654E-12	
6.17876E-01	1.491E-10	1.177E-10	4.992E-11	1.488E-11	6.3C5E-12	2.034E-12	
7.55044E-01	2.093E-10	1.644E-10	6.829E-11	2.485E-11	8.354E-12	2.664E-12	
8.65631E-01	3.390E-10	2.612E-10	1.038E-10	3.611E-11	1.196E-11	3.736E-12	
9.44575E-01	6.543E-10	4.854E-10	1.778E-10	5.898E-11	1.849E-11	5.586E-12	
9.89401E-01	2.635E-C9	1.687E-C9	4.492E-10	1.221E-10	3.357E-11	9.272E-12	
TOTAL	1.900E-C9	1.425E-C9	5.521E-10	1.956E-10	6.511E-11	2.069E-11	

(CM^{*2} PI R* 2 CONCRETE KERMA (NEUTRONS)
 (CM* 2 ERGS/GKAM/STERADIAN/SOURCE NEUTRON)

10.000 TO 12.200 MEV NEUTRON SOURCE

COSINE	75.0	100.0	150.0	RANGE (METERS)	250.0	300.0	400.0
-1.00000E+00	9.925E-10	1.200E-C9	1.502E-C9	1.694E-09	1.791E-09	1.814E-C9	1.707E-09
-9.89401E-01	1.C20E-C9	1.231E-09	1.534E-09	1.723E-09	1.816E-09	1.835E-09	1.722E-09
-9.44575E-01	1.C83E-C9	1.615E-C9	1.811E-C9	1.887E-09	1.897E-09	1.938E-C9	1.768E-09
-8.65631E-01	1.131E-09	1.362E-C9	1.678E-09	1.852E-09	1.924E-09	1.938E-C9	1.808E-09
-7.55044E-01	1.14CE-C9	1.377E-09	1.704E-09	1.899E-09	2.C14E-09	2.024E-C9	1.883E-09
-6.17876E-01	1.184E-09	1.400E-C9	1.768E-C9	1.972E-09	2.033E-09	2.C80E-09	1.946E-09
-4.58017E-01	1.224E-C9	1.478E-C9	1.813E-09	2.066E-09	2.178E-09	2.202E-C9	2.068E-09
-2.81605E-01	1.361E-09	1.645E-C9	2.041E-C9	2.296E-09	2.417E-09	2.441E-09	2.285E-09
-9.50125E-02	1.572E-09	1.911E-C9	2.362E-09	2.645E-09	2.773E-09	2.788E-09	2.592E-09
9.50125E-02	2.492E-09	2.329E-C9	2.826E-C9	3.206E-09	3.434E-09	3.255E-C9	3.012E-09
2.81605E-C1	2.702E-09	2.732E-C9	3.376E-09	3.671E-09	3.099E-09	3.869E-09	3.524E-09
4.53017E-01	3.C43E-09	3.445E-09	4.137E-09	4.521E-09	4.673E-09	4.571E-C9	4.172E-09
6.17876E-01	4.406E-19	5.233E-C9	5.C76E-09	5.559E-09	5.706E-09	5.161E-09	5.161E-09
7.55044E-01	1.C28E-08	9.246E-08	7.445E-C9	7.922E-09	8.067E-09	7.876E-C9	7.C48E-09
8.65631E-01	3.165E-08	1.991E-C8	1.534E-08	1.385E-08	1.342E-08	1.289E-C8	1.114E-08
9.44575E-01	5.533E-08	5.533E-C8	4.404E-C8	3.668E-08	3.555E-08	2.782E-C8	2.182E-08
9.89401E-01	3.521E-07	3.394E-C7	2.992E-C7	2.500E-07	2.532E-07	1.635E-C7	1.044E-07
TOTAL	1.318E-C7	1.229E-C7	1.117E-C7	1.030E-07	9.412E-08	8.539E-C8	6.871E-C8
COSINE	500.0	600.0	900.0	RANGE (METERS)	1200.0	1500.0	1800.0
-1.00000E+00	1.489E-09	1.232E-C9	5.765E-10	2.269E-10	8.059E-11	2.676E-11	
-9.89401E-01	1.498E-C9	1.393E-C9	5.789E-10	2.277E-10	8.086E-11	2.684E-11	
-9.44575E-01	1.532E-C9	1.263E-C9	5.879E-10	2.309E-10	8.195E-11	2.720E-11	
-8.65631E-01	1.568E-09	1.233E-C9	6.C21E-10	2.365E-10	8.933E-11	2.785E-11	
-7.55044E-01	1.630E-09	1.343E-C9	6.243E-10	2.451E-10	8.697E-11	2.886E-11	
-6.17876E-01	1.691E-C9	1.397E-C9	6.539E-10	2.451E-10	9.125E-11	3.029E-11	
-4.58017E-01	1.801E-09	1.491E-09	6.971E-10	2.741E-10	9.728E-11	3.228E-11	
-2.81605E-01	1.984E-09	1.638E-09	7.607E-10	2.980E-10	1.055E-10	3.495E-11	
-9.50125E-02	2.238E-09	1.338E-09	8.468E-10	3.298E-10	1.633E-10	3.844E-11	
9.50125E-02	2.581E-09	2.107E-C9	9.585E-10	3.7C7E-10	1.3C2E-10	4.289E-11	
2.81605E-01	3.C02E-09	2.440E-C9	1.099E-09	4.228E-10	1.38CE-10	4.863E-11	
4.58017E-01	3.542E-C9	2.871E-C9	1.286E-09	4.927E-10	1.719E-10	5.636E-11	
6.17876E-01	4.367E-C9	3.528E-09	1.567E-C9	5.960E-10	2.068E-10	6.748E-11	
7.55044E-01	5.895E-09	4.715E-09	2.043E-09	7.634E-10	2.613E-10	8.441E-11	
8.65631E-01	9.C77E-C9	7.10CE-C9	2.922E-09	1.053E-09	3.512E-10	1.113E-10	
9.44575E-01	1.674E-08	1.259E-C8	4.698E-C9	1.589E-09	5.066E-10	1.552E-10	
9.89401E-01	6.648E-C8	4.244E-C8	1.129E-08	3.088E-09	8.585E-10	2.401E-10	
TOTAL	5.383E-08	4.125E-C8	1.677E-08	6.113E-09	2.074E-09	6.676E-10	

$^4\text{P}1 \text{R}^{**2}\text{A}$ AIR KERMA (NEUTRONS)
 $(\text{CH}^{**2} \text{ ERGS/GRAM/SERADIANS/SOURCE NEUTRON})$

10.00C TO 12.20C MEV NEUTRON SOURCE

COSINE	75.0	100.0	150.0	RANGE (METERS)	200.0	250.0	300.0	400.0
-1.00000E 00	1.469E-C9	1.738E-C9	2.098E-09	2.304E-09	2.385E-09	2.376E-09	2.183E-C9	2.005E-09
-9.89401E-01	1.515E-C9	1.788E-09	2.150E-09	2.311E-C9	2.425E-09	2.410E-C9	2.410E-C9	2.275E-09
-9.44575E-01	1.617E-C9	1.908E-C9	2.281E-C9	2.475E-09	2.536E-09	2.506E-C9	2.506E-C9	2.329E-09
-8.65631E-01	1.694E-C9	2.00CE-C9	2.378E-09	2.511E-C9	2.582E-09	2.562E-C9	2.562E-C9	2.434E-09
-7.55044E-01	1.706E-C9	2.020E-C9	2.414E-09	2.617E-09	2.723E-09	2.688E-C9	2.688E-C9	2.511E-C9
-6.17876E-C1	1.777E-C9	2.104E-C9	2.512E-09	2.725E-09	2.785E-09	2.758E-09	2.758E-09	2.679E-09
-4.58017E-01	1.842E-C9	2.178E-C9	2.448E-C9	2.936E-C9	3.217E-09	2.930E-09	2.930E-09	2.994E-09
-2.81605E-01	2.065E-C9	2.877E-09	3.446E-09	3.763E-09	3.862E-09	3.813E-09	3.813E-09	3.445E-09
-9.50125E-02	2.410E-C9	3.465E-09	4.023E-09	4.739E-09	4.499E-09	4.407E-09	4.407E-09	4.073E-09
9.50125E-02	3.915E-C9	4.271E-C9	4.247E-C9	5.160E-C9	5.290E-09	5.373E-09	5.483E-09	4.827E-09
2.81605E-C1	4.271E-C9	5.373E-C9	6.239E-09	6.733E-C9	6.874E-09	6.516E-C9	5.800E-09	5.800E-09
4.58017E-01	4.899E-C9	7.044E-09	8.250E-C9	7.759E-09	8.292E-09	8.361E-09	8.314E-09	7.312E-09
6.17876E-01	7.044E-09	1.487E-C8	1.672E-C8	1.166E-08	1.221E-08	1.226E-08	1.175E-C8	1.030E-08
7.55044E-01	1.487E-C8	3.244E-C8	2.459E-08	2.183E-08	2.091E-08	1.991E-08	1.991E-C8	1.692E-08
8.65631E-01	5.195E-C8	9.101E-C8	7.191E-C8	5.949E-C8	5.079E-08	4.445E-C8	3.442E-C8	3.442E-C8
9.44575E-01	9.792E-08	5.006E-C7	5.595E-C7	4.929E-07	4.114E-07	3.339E-07	2.633E-C7	1.706E-07
9.89401E-C1	5.894E-C8	TOTAL	2.150E-C7	1.989E-07	1.779E-C7	1.615E-C7	1.453E-07	1.297E-07
								1.015E-07

COSINE	500.0	600.0	700.0	RANGE (METERS)	1200.0	1500.0	1800.0
-1.00000E 00	1.536E-C9	1.536E-C9	7.114E-10	2.8C3E-10	9.996E-11	3.332E-11	3.332E-11
-9.89401E-01	1.546E-C9	1.546E-C9	7.145E-10	2.812E-10	1.003E-10	3.342E-11	3.342E-11
-9.44575E-C1	1.580E-C9	1.580E-C9	7.251E-10	2.851E-10	1.015E-10	3.382E-11	3.382E-11
-8.65631E-01	1.984E-C9	1.618E-C9	7.431E-10	2.916E-10	1.038E-10	3.455E-11	3.455E-11
-7.55044E-01	2.068E-C9	1.683E-09	7.701E-10	3.017E-10	1.073E-10	3.569E-11	3.569E-11
-6.17876E-01	2.143E-09	1.750E-09	8.044E-10	3.156E-10	1.122E-10	3.733E-11	3.733E-11
-4.58017E-01	2.291E-09	1.872E-09	8.599E-10	3.365E-10	1.194E-10	3.966E-11	3.966E-11
-2.81605E-01	2.549E-C9	2.757E-09	9.476E-10	3.665E-10	1.295E-10	4.286E-11	4.286E-11
-9.50125E-C2	2.912E-C9	2.356E-C9	1.C57E-C9	4.071E-10	1.429E-10	4.710E-11	4.710E-11
9.50125E-C2	3.409E-09	2.737E-C9	1.207E-09	4.600E-10	1.644E-10	5.260E-11	5.260E-11
2.81605E-01	4.022E-C9	3.211E-C9	1.398E-C9	5.285E-10	1.832E-10	5.985E-11	5.985E-11
4.58017E-01	4.814E-09	3.833E-C9	1.658E-C9	6.233E-10	2.151E-10	7.000E-11	7.000E-11
6.17876E-01	6.061E-C9	4.815E-C9	2.C66E-C9	7.702E-10	2.638E-10	8.535E-11	8.535E-11
7.55044E-01	8.456E-C9	6.666E-C9	2.791E-C9	1.022E-C9	3.442E-10	1.100E-10	1.100E-10
8.65631E-01	1.358E-C8	1.C48E-C8	4.177E-09	1.471E-09	4.824E-10	1.509E-10	1.509E-10
9.44575E-01	2.611E-C8	1.933E-08	7.C46E-C9	2.330E-09	7.289E-10	2.200E-10	2.200E-10
9.89401E-01	1.081E-C7	6.863E-C8	1.788E-C8	4.783E-09	1.301E-09	3.571E-10	3.571E-10
TOTAL	7.761E-C8	5.828E-C8	2.270E-08	8.276E-C9	2.697E-09	8.593E-10	

4 PLR**2 IONIZING SILICON KERMA (NEUTRONS)
 (CM**2 ERGS/GRAM/STERADIAN/SOURCE NEUTRON)

10.000 TO 12.200 MEV NEUTRON SOURCE

COSINE	75.0	100.0	150.0	RANGE (METERS)	200.0	300.0	400.0
-1.00000E 00	4.236E-10	4.652E-10	4.955E-10	4.931E-10	4.698E-10	4.355E-10	3.539E-10
-9.889401E-01	4.434E-10	4.868E-10	5.172E-10	5.124E-10	4.861E-10	4.488E-10	3.626E-10
-9.44575E-01	4.843E-10	5.347E-10	5.688E-10	5.628E-10	5.286E-10	4.858E-10	3.874E-10
-8.65631E-01	5.099E-10	5.642E-10	5.986E-10	5.795E-10	5.362E-10	4.94E-10	3.981E-10
-7.55044E-01	5.591E-10	5.969E-10	5.9C1E-10	5.328E-10	5.777E-10	5.3265E-10	
-6.17876E-01	5.254E-10	5.842E-10	6.234E-10	6.175E-10	5.814E-10	5.37E-10	4.355E-10
-4.58017E-01	5.457E-10	6.05CE-10	6.471E-10	6.545E-10	6.277E-10	5.845E-10	4.786E-10
-2.81605E-01	6.385E-10	7.146E-10	7.754E-10	7.072E-10	7.577E-10	7.C70E-10	5.788E-10
-9.50125E-02	7.834E-10	8.917E-10	9.773E-10	9.947E-10	9.576E-10	8.918E-10	7.263E-10
9.50125E-02	1.354E-C9	1.133E-C9	1.197E-09	1.379E-09	1.337E-09	1.128E-C9	9.326E-10
2.81605E-01	1.621E-C9	1.397E-09	1.593E-C9	1.542E-09	1.475E-09	1.466E-09	1.165E-09
4.58017E-01	1.741E-09	1.972E-09	2.128E-09	2.086E-09	2.CC9E-09	1.782E-09	1.452E-09
6.17876E-01	2.772E-09	3.C41E-09	2.448E-09	2.600E-09	2.489E-09	2.387E-09	1.929E-09
7.55044E-01	7.159E-C9	6.C47E-C9	4.268E-C9	4.141E-09	3.990E-09	3.670E-09	3.009E-09
8.65631E-01	2.334E-08	1.404E-C8	9.767E-09	8.207E-09	7.024E-09	5.663E-09	
9.44575E-01	4.446E-C8	4.082E-C8	3.137E-08	2.512E-08	2.083E-08	1.778E-08	1.321E-08
9.889401E-C1	2.692E-C7	2.586E-07	2.266E-07	1.988E-07	1.516E-07	1.210E-07	7.578E-08
TOTAL	9.452E-C8	8.526E-08	7.239E-08	6.266E-C8	5.371E-08	4.589E-C8	3.287E-08

COSINE	500.0	600.0	RANGE (METERS)	900.0	1200.0	1500.0	1800.0
-1.00000E 00	2.742E-10	2.059E-10	7.808E-11	2.681E-11	8.677E-12	2.696E-12	
-9.889401E-01	2.791E-10	2.095E-10	7.898E-11	2.705E-11	8.740E-12	2.715E-12	
-9.44575E-01	2.962E-10	2.203E-10	8.198E-11	2.789E-11	8.975E-12	2.779E-12	
-8.65631E-01	3.153E-10	2.280E-10	8.513E-11	2.897E-11	9.322E-12	2.884E-12	
-7.55044E-01	3.265E-10	2.424E-10	9.022E-11	3.063E-11	9.839E-12	3.042E-12	
-6.17876E-01	3.365E-10	2.524E-10	9.538E-11	3.266E-11	1.055E-11	3.266E-12	
-4.58017E-01	3.727E-10	2.808E-10	1.066E-10	3.648E-11	1.173E-11	3.625E-12	
-2.81605E-01	4.494E-10	3.372E-10	1.259E-10	4.60E-11	1.358E-11	4.165E-12	
-9.50125E-02	5.604E-10	4.177E-10	1.540E-10	5.132E-11	1.617E-11	4.914E-12	
9.50125E-02	7.126E-10	5.277E-10	1.966E-10	6.259E-11	1.951E-11	5.883E-12	
2.81605E-01	8.897E-10	6.561E-10	2.334E-10	7.672E-11	7.164E-12		
4.58017E-01	1.109E-09	8.2C3E-10	2.958E-10	9.708E-11	9.10E-12		
6.17876E-01	1.487E-C9	1.107E-09	4.474E-10	1.338E-10	4.180E-11		
7.55044E-01	2.327E-C9	1.736E-C9	6.351E-10	2.089E-10	6.474E-11		
8.65631E-01	4.333E-C9	3.209E-09	1.143E-09	3.663E-10	1.11CE-10		
9.44575E-01	9.672E-C9	2.941E-C8	7.183E-09	1.769E-09	4.528E-10		
9.889401E-01	4.721E-C8	1.617E-C8	5.198E-C9	1.591E-09	4.719E-10		
TOTAL	2.320E-C8						

4 P1 R**2 NON IONIZING SILICON KERMA (NEUTRONS)
(C**2 ERGS/GRAM/STERADIAN/SOURCE NEUTRON)

10.000 TO 12.200 MEV NEUTRON SOURCE

COSINE	75.0	1CC.C	150.0	RANGE (METERS)	250.0	300.0	400.C
				2CC.C			
-1.00000E 00	1.016E-10	1.240E-10	1.565E-10	1.770E-10	1.873E-10	1.897E-10	1.785E-10
-9.89401E-01	1.058E-10	1.255E-10	1.585E-10	1.785E-10	1.886E-10	1.909E-10	1.793E-10
-9.44575E-01	1.060E-10	1.29CE-10	1.621E-10	1.825E-10	1.924E-10	1.944E-10	1.822E-10
-8.65631E-01	1.080E-10	1.315E-10	1.651E-10	1.851E-10	1.947E-10	1.972E-10	1.854E-10
-7.55044E-01	1.083E-10	1.324E-10	1.670E-10	1.887E-10	1.987E-10	2.012E-10	1.917E-10
-6.17876E-01	1.118E-10	1.368E-10	1.729E-10	1.958E-10	2.074E-10	2.107E-10	1.991E-10
-4.58017E-01	1.166E-10	1.428E-10	1.810E-10	2.065E-10	2.198E-10	2.238E-10	2.121E-10
-2.81605E-01	1.284E-10	1.575E-10	1.997E-10	2.275E-10	2.419E-10	2.461E-10	2.328E-10
-9.5C125E-02	1.459E-10	1.796E-10	2.072E-10	2.579E-10	2.734E-10	2.773E-10	2.611E-10
9.50125E-02	2.207E-10	2.145E-10	2.688E-10	3.09E-10	3.175E-10	3.190E-10	2.986E-10
2.81605E-01	2.360E-10	2.446E-10	3.074E-10	3.482E-10	3.665E-10	3.712E-10	3.454E-10
4.58017E-01	2.648E-10	3.053E-10	3.777E-10	4.159E-10	4.362E-10	4.366E-10	4.055E-10
6.17876E-01	3.424E-10	4.370E-10	4.561E-10	5.1C2E-10	5.325E-10	5.353E-10	4.947E-10
7.55044E-01	6.974E-10	6.829E-10	6.322E-10	6.921E-10	7.164E-10	7.120E-10	6.510E-10
8.65631E-01	1.963E-C9	1.324E-C9	1.169E-C9	1.115E-09	1.110E-09	1.082E-09	9.619E-10
9.44575E-01	3.463E-09	2.9C2E-C9	2.564E-09	2.301E-09	2.092E-09	1.710E-09	6.714E-09
9.89401E-01	2.022E-C8	1.967E-C8	1.767E-08	1.497E-C8	1.238E-08	1.014E-C8	
TOTAL	8.481E-C9	8.238E-C9	8.015E-C9	7.777E-C9	7.412E-09	6.960E-09	5.900E-C9

COSINE	500.0	600.0	900.0	RANGE (METERS)	1200.0	1500.0	1600.0
				12CC.C			
-1.00000E 00	1.554E-10	1.285E-10	5.98E-11	2.344E-11	2.351E-11	8.293E-12	2.745E-12
-9.89401E-01	1.29CE-10	6.034E-11	6.034E-11	2.382E-11	8.319E-12	2.753E-12	
-9.44575E-01	1.584E-10	1.308E-10	6.083E-11	2.439E-11	8.429E-12	2.790E-12	
-8.65631E-01	1.615E-10	1.335E-10	6.224E-11	2.459E-11	8.637E-12	2.860E-12	
-7.55044E-01	1.670E-10	1.382E-10	6.448E-11	2.529E-11	8.960E-12	2.968E-12	
-6.17876E-01	1.741E-10	1.443E-10	6.763E-11	2.657E-11	9.422E-12	3.122E-12	
-4.58017E-01	1.851E-10	1.541E-10	7.227E-11	2.84CE-11	1.006E-11	3.334E-12	
-2.81605E-01	2.034E-10	1.086E-10	7.873E-11	3.087E-11	1.093E-11	3.617E-12	
-9.50125E-02	2.273E-10	1.878E-10	8.730E-11	3.412E-11	1.205E-11	3.983E-12	
9.50125E-02	2.588E-10	2.131E-10	9.832E-11	3.827E-11	1.348E-11	4.450E-12	
2.81605E-01	2.981E-10	2.448E-10	1.123E-10	4.358E-11	1.533E-11	5.051E-12	
4.58017E-01	3.493E-10	2.863E-10	1.309E-10	5.066E-11	1.778E-11	5.822E-12	
6.17876E-01	4.249E-10	3.473E-10	1.578E-10	6.077E-11	2.125E-11	6.922E-12	
7.55044E-01	5.541E-10	4.494E-10	2.005E-10	7.627E-11	2.642E-11	8.069E-12	
8.65631E-01	8.011E-10	6.383E-10	2.738E-10	1.014E-10	3.449E-11	1.109E-11	
9.44575E-01	1.352E-C9	1.037E-C9	4.116E-10	1.45CE-10	4.763E-11	1.493E-11	
9.89401E-01	4.431E-C9	2.929E-09	8.564E-10	2.528E-10	7.442E-11	2.172E-11	
TOTAL	4.799E-C9	3.782E-C9	1.617E-C9	6.057E-10	2.085E-10	6.775E-11	

⁴PI R**2 HENDERSON DOSE (GAMMAS)
1 CM**2 RADIAN/SOURCE NEUTRON

10.000 TO 12.200 MEV NEUTRON SOURCE

COSINE	75.C	100.C	150.C	RANGE (METERS)	250.0	300.0	400.0
-1.00000E-00	1.223E-11	2.039E-11	2.214E-11	2.220E-11	2.122E-11	1.972E-11	1.608E-11
-9.89401E-01	1.834E-11	2.053E-11	2.234E-11	2.245E-11	2.151E-11	2.002E-11	1.642E-11
-9.44575E-01	1.876E-11	2.107E-11	2.308E-11	2.336E-11	2.155E-11	2.015E-11	1.671E-11
-8.65631E-01	1.955E-11	2.206E-11	2.439E-11	2.490E-11	2.425E-11	2.294E-11	1.943E-11
-7.55044E-01	2.069E-11	2.345E-11	2.610E-11	2.680E-11	2.622E-11	2.422E-11	2.125E-11
-6.17870E-01	2.221E-11	2.526E-11	2.820E-11	2.911E-11	2.839E-11	2.696E-11	2.292E-11
-4.58017E-01	2.422E-11	2.089E-11	2.764E-11	3.089E-11	3.1C3E-11	2.999E-11	2.481E-11
-2.81605E-01	2.691E-11	3.084E-11	3.455E-11	3.555E-11	3.472E-11	3.285E-11	2.764E-11
-9.50125E-02	3.653E-11	3.523E-11	3.965E-11	4.097E-11	4.015E-11	3.808E-11	3.221E-11
9.50125E-02	5.325E-11	5.060E-11	4.C39E-11	5.196E-11	5.145E-11	4.513E-11	3.919E-11
2.81605E-01	5.01CE-11	5.1C3E-11	6.019E-11	5.674E-11	5.617E-11	5.749E-11	4.905E-11
4.58017E-01	5.922E-11	5.418E-11	6.918E-11	7.865E-11	7.858E-11	7.266E-11	6.366E-11
6.17870E-01	6.077E-11	9.268E-11	1.065E-10	9.907E-11	9.950E-11	9.938E-11	8.695E-11
7.55044E-01	8.C34E-11	1.108E-10	1.207E-10	1.475E-10	1.492E-10	1.440E-10	1.293E-10
8.65631E-01	1.227E-10	1.454E-10	2.038E-10	2.291E-10	2.356E-10	2.353E-10	2.159E-10
9.44575E-01	2.114E-10	2.745E-10	3.459E-10	4.117E-10	4.41CE-10	4.473E-10	4.254E-10
9.89401E-01	3.170E-10	4.768E-10	7.306E-10	9.341E-10	1.019E-09	1.084E-09	1.103E-09
TOTAL	6.537E-10	7.996E-10	9.709E-10	1.071E-09	1.102E-09	1.088E-09	9.931E-10

65

COSINE	500.0	600.0	900.0	RANGE (METERS)	1200.0	1500.0	1800.0
-1.00000E-00	1.252E-11	9.449E-12	3.662E-12	1.299E-12	4.396E-13	1.443E-13	
-9.89401E-01	1.255E-11	9.767E-12	3.902E-12	1.442E-12	5.186E-13	1.844E-13	
-9.44575E-01	1.402E-11	4.555E-11	4.032E-12	7.393E-13	3.009E-13		
-8.65631E-01	1.572E-11	1.236E-11	5.554E-12	2.363E-12	9.783E-13	4.186E-13	
-7.55044E-01	1.729E-11	1.367E-11	6.212E-12	2.658E-12	1.157E-12	5.058E-13	
-6.17870E-01	1.856E-11	1.461E-11	6.472E-12	2.718E-12	1.098E-12	4.539E-13	
-4.58017E-01	1.992E-11	1.551E-11	6.620E-12	2.599E-12	1.025E-12	3.998E-13	
-2.81605E-01	2.211E-11	1.713E-11	7.194E-12	2.848E-12	1.114E-12	4.467E-13	
-9.50125E-02	2.599E-11	2.016E-11	8.644E-12	3.515E-12	1.415E-12	5.781E-13	
9.50125E-02	3.17E-11	1.108E-11	1.108E-11	4.678E-12	1.964E-12	8.398E-13	
2.81605E-01	4.018E-11	3.184E-11	1.437E-11	6.128E-12	2.595E-12	1.115E-12	
4.58017E-01	5.235E-11	4.163E-11	1.877E-11	7.893E-12	3.252E-12	1.343E-12	
6.17870E-01	7.244E-11	5.769E-11	2.617E-11	1.091E-11	4.402E-12	1.733E-12	
7.55044E-01	1.091E-10	8.869E-11	4.203E-11	1.822E-11	7.641E-12	3.183E-12	
8.65631E-01	1.810E-10	1.559E-10	7.986E-11	3.741E-11	1.694E-11	7.597E-12	
9.44575E-01	3.79E-10	3.249E-10	1.801E-10	9.077E-11	4.386E-11	2.079E-11	
9.89401E-01	1.032E-09	9.196E-10	5.581E-10	3.020E-10	1.547E-10	7.688E-11	
TOTAL	8.543E-10	7.093E-10	3.629E-10	1.721E-10	7.952E-11	3.648E-11	

(CM**2 ERGS/GRAM/STERADIAN/SOURCE NEUTRON)

10,000 TO 12,200 MEV NEUTRON SOURCE

COSINE	75.0	100.0	150.0	RANGE (METERS)	200.0	250.0	300.0	400.0
-1.00000E 00	1.849E-09	2.093E-C9	2.333E-C9	2.463E-09	2.358E-09	2.247E-09	1.923E-09	1.923E-09
-9.89401E-01	1.859E-09	2.107E-09	2.355E-09	2.477E-09	2.378E-09	2.278E-09	1.956E-09	1.956E-09
-9.44575E-01	1.901E-C9	2.166E-09	2.426E-09	2.518E-09	2.49C-09	2.390E-09	2.076E-09	2.076E-09
-8.65311E-01	1.979E-C9	2.258E-09	2.556E-09	2.672E-09	2.660E-09	2.570E-09	2.258E-09	2.258E-09
-7.55044E-01	2.092E-09	2.395E-C9	2.726E-09	2.861E-09	2.858E-09	2.769E-09	2.443E-09	2.443E-09
-6.17876E-01	2.242E-C9	2.579E-C9	2.936E-09	3.083E-09	3.078E-09	2.977E-09	2.617E-09	2.617E-09
-4.58017E-01	2.441E-C9	2.810E-C9	3.204E-09	3.359E-09	3.345E-09	3.226E-09	2.813E-09	2.813E-09
-2.81605E-01	2.706E-09	3.128E-09	3.567E-09	3.738E-C9	3.717E-09	3.577E-C9	3.105E-09	3.105E-09
-9.50125E-02	3.064E-09	3.568E-09	4.074E-09	4.279E-09	4.261E-09	4.104E-09	3.570E-09	3.570E-09
9.50125E-02	3.737E-09	5.071E-09	6.142E-09	5.373E-09	5.389E-09	4.809E-09	4.272E-09	4.272E-09
2.81605E-01	4.967E-C9	5.146E-09	6.120E-09	5.843E-C9	5.855E-09	6.042E-C9	5.259E-09	5.259E-09
4.58017E-01	5.271E-09	5.422E-C9	6.978E-09	8.016E-09	8.082E-09	7.541E-09	6.715E-09	6.715E-09
6.17876E-01	6.048E-09	9.288E-C9	1.069E-08	1.003E-08	1.019E-08	1.014E-08	9.022E-09	9.022E-09
7.55044E-C1	7.974E-C9	1.102E-C8	1.207E-08	1.481E-08	1.506E-08	1.459E-08	1.320E-08	1.320E-08
8.65311E-01	1.314E-08	1.443E-C8	2.191E-08	2.285E-08	2.356E-08	2.359E-08	2.173E-08	2.173E-08
9.44575E-01	2.091E-08	2.716E-08	3.429E-08	4.088E-08	4.384E-08	4.453E-C8	4.241E-08	4.241E-08
9.89401E-01	3.134E-C8	4.715E-C8	7.232E-08	8.953E-08	1.01CE-07	1.076E-07	1.096E-07	1.096E-07
TOTAL	6.514E-08	7.996E-C8	9.784E-C8	1.087E-07	1.125E-07	1.118E-07	1.030E-07	1.030E-07

COSINE	500.0	600.0	RANGE (METERS)	900.0	1200.0	1500.0	1800.0
-1.00000E 00	1.563E-09	1.228E-C9	5.312E-10	2.112E-10	8.176E-11	3.166E-11	3.166E-11
-9.89401E-01	1.596E-C9	1.266E-C9	5.504E-10	2.642E-10	8.95E-11	3.563E-11	3.563E-11
-9.44575E-01	1.713E-C9	1.368E-C9	6.203E-10	3.171E-10	1.114E-10	4.717E-11	4.717E-11
-8.65311E-01	1.884E-C9	1.522E-C9	7.205E-10	3.887E-10	1.355E-10	5.900E-11	5.900E-11
-7.55044E-01	2.0~5E-C9	1.655E-C9	8.887E-10	4.481E-10	1.537E-10	6.753E-11	6.753E-11
-6.17876E-01	2.179E-C9	1.756E-C9	8.192E-10	3.564E-10	1.491E-10	6.327E-11	6.327E-11
-4.58017E-01	2.324E-C9	1.855E-C9	8.397E-10	3.476E-10	1.431E-10	5.840E-11	5.840E-11
-2.81605E-01	2.552E-C9	2.022E-C9	9.030E-10	3.750E-10	1.53CE-10	6.359E-11	6.359E-11
-9.50125E-02	2.939E-C9	2.351E-09	1.053E-09	4.439E-10	1.841E-11	7.715E-11	7.715E-11
9.50125E-02	3.534E-09	2.821E-09	1.301E-09	5.618E-10	2.395E-10	1.034E-10	1.034E-10
2.81605E-01	4.378E-C9	3.511E-C9	1.633E-09	7.081E-10	3.031E-11	1.311E-10	1.311E-10
4.58017E-01	5.594E-09	4.499E-09	2.074E-09	8.852E-10	3.692E-10	1.541E-10	1.541E-10
6.17876E-01	7.556E-C9	6.089E-09	2.807E-09	1.183E-09	4.823E-10	1.942E-10	1.942E-10
7.55044E-01	1.120E-C8	9.144E-09	4.365E-09	1.899E-09	7.979E-10	3.329E-11	3.329E-11
8.65311E-01	1.687E-C8	1.571E-08	8.078E-09	3.776E-09	1.7C6E-09	7.629E-10	7.629E-10
9.44575E-01	3.783E-C8	3.244E-08	1.797E-08	9.336E-09	4.358E-09	2.062E-09	2.062E-09
9.89401E-C1	1.027E-07	9.151E-C8	5.567E-08	3.016E-08	1.547E-08	7.696E-09	7.696E-09
TOTAL	8.926E-08	7.448E-C8	3.838E-C8	1.823E-08	8.414E-09	3.855E-C9	3.855E-C9

(CM**2 ERGS/GRAN/STERADIAN/SOURCE NEUTRON)

10.000 TO 12.200 MEV NEUTRON SOURCE

COSINE	75.0	100.0	150.0	RANGE (METERS) 200.C	250.0	300.0	400.C
2.156E-09	2.622E-C9	3.348E-C9	3.85CE-09	4.146E-09	4.272E-09	4.140E-09	
2.167E-09	2.641E-09	3.367E-09	3.875E-09	4.176E-09	4.304E-C9	4.174E-09	
2.693E-09	3.422E-09	3.969E-09	4.23E-09	4.302E-09	4.323E-C9	4.302E-09	
2.70E-09	3.423E-09	3.97E-09	4.131E-09	4.467E-09	4.619E-C9	4.504E-09	
2.283E-C9	2.790E-C9	3.575E-09	4.336E-09	4.688E-09	4.847E-C9	4.725E-09	
2.333E-C9	2.927E-09	3.752E-09	4.336E-09	4.688E-09	4.847E-C9	4.725E-09	
2.333E-C9	2.927E-09	3.752E-09	4.336E-09	4.688E-09	4.847E-C9	4.725E-09	
2.545E-C9	3.1C7E-09	3.973E-09	4.81E-09	4.943E-09	4.954E-09	4.954E-09	
3.343E-09	4.257E-09	4.89CE-09	5.258E-09	5.408E-C9	5.425E-09	5.225E-09	
3.659E-C9	4.638E-C9	5.307E-09	5.687E-09	5.832E-C9	5.867E-09	5.607E-09	
4.088E-C9	5.161E-09	5.888E-09	6.294E-09	6.440E-09	6.440E-09	6.173E-09	
5.522E-C9	5.292E-09	6.97E-09	7.461E-09	7.239E-09	7.239E-09	6.987E-09	
5.981E-C9	5.607E-C9	7.191E-09	7.505E-09	8.044E-09	8.551E-C9	8.094E-09	
5.159E-C9	5.922E-C9	8.085E-C9	9.695E-09	1.028E-08	1.028E-08	9.667E-09	
6.C75E-C9	9.507E-C9	9.162E-08	1.172E-08	1.239E-08	1.239E-08	1.206E-08	
6.192E-C9	1.121E-C8	1.3C1E-08	1.632E-08	1.716E-08	1.716E-C8	1.623E-08	
8.0C9E-C9	1.443E-C8	2.225E-08	2.395E-08	2.528E-08	2.578E-08	2.442E-08	
1.283E-C8	2.005E-C8	3.384E-08	4.082E-08	4.427E-08	4.540E-C8	4.382E-08	
2.628E-C8	4.481E-08	6.908E-C8	8.593E-C8	9.719E-08	1.031E-C7	1.058E-07	
2.972E-C8	6.696E-C8	8.457E-C8	1.093E-07	1.267E-07	1.361E-C7	1.345E-07	
TOTAL							
COSINE	500.C	600.0	900.0	RANGE (METERS) 1200.C	1500.0	1800.C	
3.7C1E-C9	3.141E-C9	1.621E-09	7.445E-10	3.294E-1C	1.447E-1C		
3.735E-C9	3.174E-09	1.645E-09	7.586E-10	3.37CE-1C	1.486E-10		
3.289E-C9	1.714E-09	7.985E-10	3.59CE-1C	1.000E-1C			
3.460E-C9	1.823E-09	8.554E-10	3.848E-10	1.725E-10			
4.C52E-C9	3.629E-09	1.911E-09	8.961E-10	4.072E-10			
4.249E-C9	3.783E-C9	1.974E-09	9.05E-10	4.105E-10			
4.441E-C9	3.954E-C9	2.C38E-09	9.337E-10	4.146E-10			
4.663E-C9	4.210E-09	2.152E-09	9.852E-10	4.355E-10			
4.983E-09	4.618E-C9	2.356E-C9	1.079E-09	4.777E-10			
5.475E-C9	5.213E-C9	2.663E-C9	1.224E-C9	5.444E-1C			
6.184E-09	6.184E-09	2.663E-C9	1.224E-C9	5.444E-1C			
6.153E-09	6.C18E-09	3.060E-09	1.401E-09	6.211E-10			
7.118E-09	3.573E-09	3.573E-09	1.613E-09	7.C32E-10			
8.498E-C9	8.816E-C9	4.372E-09	1.944E-09	8.-25E-10			
1.C57E-C8	1.422E-C8	1.189E-C8	2.668E-09	1.152E-09			
1.422E-C8	1.422E-C8	5.947E-09	2.668E-09	1.152E-09			
2.161E-C8	1.827E-C8	9.517E-C9	4.468E-09	2.C21E-09			
3.938E-C8	3.389E-C8	1.875E-08	9.366E-09	4.482E-C9			
9.905E-08	8.821E-C8	5.320E-C8	2.859E-08	1.456E-C8			
TOTAL	1.202E-C7	1.C23E-C7	5.418E-08	2.583E-08	1.188E-08	5.410E-C9	

(CH**4 PI R**2 SILICON KERMA (GAMMAS)
(CH**2 ERGS/GRAM/STERADIANT/SOURCE NEUTRON)

10.000 TO 12.200 MEV NEUTRON SOURCE

COSINE	75.0	16C.0	150.0	RANGE (METERS)	200.C	250.0	300.0	400.0
-1.00000E CC	1.899E-09	2.158E-C9	2.427E-09	2.523E-09	2.501E-09	2.406E-C9	2.095E-09	2.095E-09
-9.89401E-01	1.910E-C9	2.172E-C9	2.447E-C9	2.58E-09	2.53CE-09	2.437E-C9	2.129E-C9	2.129E-C9
-9.44575E-01	1.932E-C9	2.226E-C9	2.521E-C9	2.640E-09	2.635E-09	2.552E-09	2.251E-09	2.251E-09
-8.65631E-01	2.032E-C9	2.326E-C9	2.654E-09	2.797E-09	2.809E-09	2.735E-C9	2.437E-09	2.437E-09
-7.55044E-01	2.147E-C9	2.466E-09	2.827E-09	2.990E-09	3.011E-09	2.938E-09	2.625E-09	2.625E-09
-6.17876E-01	2.300E-C9	3.040E-C9	3.225E-09	3.233E-09	3.149E-09	2.801E-09	2.801E-09	2.801E-09
-4.58017E-01	2.505E-C9	2.889E-C9	3.313E-C9	3.496E-09	3.505E-09	3.401E-C9	3.000E-C9	3.000E-C9
-2.81605E-01	2.812E-C9	3.212E-C9	3.683E-C9	3.681E-09	3.882E-09	3.756E-C9	3.295E-09	3.295E-09
-9.50125E-02	3.773E-C9	3.212E-C9	3.683E-C9	3.681E-09	3.882E-09	3.756E-C9	3.295E-09	3.295E-09
9.50125E-02	3.825E-09	5.193E-C9	4.264E-09	5.535E-09	5.582E-09	5.007E-C9	4.477E-09	4.477E-09
2.81605E-01	5.014E-C9	5.268E-C9	6.282E-09	6.019E-09	6.051E-09	6.258E-C9	5.478E-09	5.478E-09
4.58017E-01	6.113E-09	5.553E-C9	7.153E-09	8.233E-09	8.318E-09	7.780E-C9	6.953E-09	6.953E-09
6.17876E-01	6.181E-C9	9.443E-C9	1.094E-08	1.094E-08	1.041E-08	1.047E-08	9.244E-09	9.244E-09
7.55044E-01	8.146E-C9	1.125E-C9	1.234E-08	1.515E-08	1.541E-08	1.495E-C8	1.155E-08	1.155E-08
8.65631E-01	1.342E-C8	1.473E-C8	2.239E-08	2.335E-08	2.409E-08	2.413E-08	2.223E-08	2.223E-08
9.44575E-01	3.36E-08	2.774E-08	3.503E-08	4.177E-08	4.481E-08	4.551E-08	4.336E-08	4.336E-08
9.89401E-01	3.203E-08	4.819E-C8	7.392E-C8	9.158E-08	1.033E-07	1.101E-C7	1.122E-07	1.122E-07
TOTAL	6.0663E-08	8.186E-08	1.0303E-C7	1.117E-07	1.158E-07	1.153E-C7	1.066E-07	1.066E-07

68

COSINE	50C.0	6CC.0	RANGE (METERS)	400.0	1200.C	1500.0	1800.0
-1.00000E CC	1.729E-C9	1.376E-C9	0.133E-10	2.498E-10	1.070E-10	9.895E-11	3.921E-11
-9.89401E-01	1.763E-C9	1.488E-C9	6.376E-10	6.643E-10	6.643E-10	4.328E-11	4.328E-11
-9.44575E-01	1.882E-C9	1.519E-C9	7.547E-10	3.042E-10	1.294E-10	5.515E-11	5.515E-11
-8.65631E-C1	2.057E-C9	1.675E-C9	8.071E-10	3.884E-10	1.541E-10	6.729E-11	6.729E-11
-7.55044E-01	2.220E-C9	1.812E-C9	9.766E-10	3.900E-10	1.727E-10	7.599E-11	7.599E-11
-6.17876E-01	3.56E-C9	1.913E-C9	9.070E-10	3.884E-10	1.678E-10	7.154E-11	7.154E-11
-4.58017E-01	2.502E-C9	2.013E-C9	9.267E-10	3.884E-10	1.613E-10	6.638E-11	6.638E-11
-2.81605E-01	2.732E-C9	2.184E-C9	9.897E-10	4.155E-10	1.710E-10	7.149E-11	7.149E-11
-9.50125E-02	3.124E-C9	2.499E-09	1.141E-09	4.849E-10	2.024E-10	8.517E-11	8.517E-11
9.50125E-02	3.722E-C9	2.995E-09	1.392E-09	6.042E-10	2.584E-10	1.118E-10	1.118E-10
2.81605E-01	4.561E-C9	3.693E-C9	1.727E-C9	7.519E-10	3.226E-10	1.397E-10	1.397E-10
4.58017E-01	5.812E-C9	4.682E-C9	2.177E-C9	9.295E-10	3.885E-10	1.624E-10	1.624E-10
6.17876E-01	7.800E-C9	6.295F-C9	2.911E-09	1.229E-09	5.014E-10	2.021E-10	2.021E-10
7.55044E-01	1.051E-C8	9.391E-C8	4.490E-09	1.953E-09	8.202E-10	3.419E-10	3.419E-10
8.65631E-C1	1.931E-C8	1.117E-C8	8.269E-09	3.864E-09	1.744E-09	7.794E-10	7.794E-10
9.44575E-01	3.869E-C8	3.318E-C8	1.838E-08	9.243E-09	4.458E-09	2.109E-C9	2.109E-C9
9.89401E-01	1.051E-07	9.382E-08	5.711E-08	3.096E-08	1.589E-08	7.914E-C9	7.914E-C9
TOTAL	9.256E-C8	7.736E-08	3.996E-08	1.899E-08	8.765E-09	4.015E-C9	4.015E-C9

4 PI R**2 FLUENCE AT 75.0 METERS

8.187 TO 10.00 MEV NEUTRON SOURCE

(NEUTRONS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=1.0000	ANGLE 2 MU=-0.9854	ANGLE 3 MU=-0.9446	ANGLE 4 MU=-0.8656	ANGLE 5 MU=-0.7550	ANGLE 6 MU=-0.6179	ANGLE 7 MU=-0.4580	ANGLE 8 MU=-0.2816	ANGLE 9 MU=-0.0950
1.22E 01----1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01----1.22E 01	-6.622E-04	-5.373E-04	-2.348E-04	-3.367E-05	1.004E-04	1.513E-04	8.203E-05	6.793E-05	2.490E-04
8.19E 00----1.00E 01	3.217E-03	3.261E-03	3.077E-03	2.839E-03	2.725E-03	2.860E-03	3.289E-03	3.964E-03	4.790E-03
6.36E 00----8.19E 00	2.096E-03	1.909E-03	1.975E-03	1.947E-03	1.909E-03	1.947E-03	2.063E-03	2.210E-03	2.416E-03
4.97E 00----6.36E 00	1.463E-03	1.459E-03	1.477E-03	1.506E-03	1.552E-03	1.617E-03	1.705E-03	1.821E-03	1.973E-03
4.07E 00----4.97E 00	1.395E-03	1.392E-03	1.408E-03	1.434E-03	1.474E-03	1.531E-03	1.611E-03	1.719E-03	1.865E-03
3.01E 00----4.07E 00	2.198E-03	2.203E-03	2.222E-03	2.262E-03	2.324E-03	2.422E-03	2.534E-03	2.701E-03	2.927E-03
2.46E 00----3.01E 00	2.846E-03	2.851E-03	2.875E-03	2.917E-03	2.938E-03	3.094E-03	3.245E-03	3.454E-03	3.61E-03
2.35E 00----2.46E 00	2.808E-03	2.817E-03	2.859E-03	2.917E-03	3.022E-03	3.170E-03	3.372E-03	3.642E-03	3.998E-03
1.83E 00----2.35E 00	3.203E-03	3.212E-03	3.246E-03	3.315E-03	3.420E-03	3.665E-03	3.757E-03	4.008E-03	4.330E-03
1.11E 00----1.83E 00	4.18E-03	4.176E-03	4.206E-03	4.267E-03	4.359E-03	4.495E-03	4.650E-03	4.860E-03	5.125E-03
5.50E-01----1.11E 00	4.168E-03	5.111E-03	5.136E-03	5.186E-03	5.258E-03	5.555E-03	5.475E-03	5.621E-03	5.794E-03
1.11E-01----5.50E-01	5.04E-03	2.610E-02	2.615E-02	2.627E-02	2.642E-02	2.662E-02	2.686E-02	2.715E-02	2.746E-02
3.35E-02----1.11E-01	2.609E-02	2.078E-02	2.083E-02	2.094E-02	2.104E-02	2.129E-02	2.143E-02	2.174E-02	2.193E-02
5.82E-04----3.35E-02	2.077E-02	1.181E-00	1.183E-00	1.185E-00	1.189E-00	1.193E-00	1.198E-00	1.210E-00	1.210E-00
1.01E-04----5.83E-04	1.83E-00	4.934E-00	4.935E-00						
2.90E-05----1.01E-04	4.931E-00	4.931E-00	4.931E-00	4.931E-00	4.931E-00	4.931E-00	4.931E-00	4.931E-00	4.931E-00
1.07E-05----2.90E-05	1.409E-01	1.409E-01	1.410E-01	1.412E-01	1.416E-01	1.420E-01	1.424E-01	1.430E-01	1.436E-01
2.06E-06----1.07E-05	3.683E-01	3.683E-01	3.686E-01	3.692E-01	3.700E-01	3.721E-01	3.733E-01	3.747E-01	3.761E-01
1.12E-06----3.06E-06	9.694E-01	9.707E-01	9.715E-01	9.734E-01	9.758E-01	9.785E-01	9.816E-01	9.849E-01	9.881E-01
4.14E-07----1.12E-06	2.089E-02	2.090E-02	2.091E-02	2.094E-02	2.098E-02	2.102E-02	2.114E-02	2.121E-02	2.121E-02
0.0	--4.14E-07	2.987E-02	2.993E-02	2.994E-02	3.000E-02	3.006E-02	3.013E-02	3.021E-02	3.029E-02

69

ENERGY GROUP (MEV)	ANGLE 10 MU= 0.0950	ANGLE 11 MU= 0.2816	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 SCALAR FLUX
1.22F 01----1.50F 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01----1.22E 01	1.010E-03	1.216E-03	1.560E-03	2.110E-03	2.166E-01	2.799E-01	2.845E-01	4.127E-02
8.19E 00----1.00E 01	5.866E-03	8.977E-03	8.977E-03	1.084E-02	4.8335E-03	6.811E-03	9.180E-03	1.159E-02
6.36E 00----8.19E 00	2.279E-03	3.590E-03	3.857E-03	3.857E-03	3.799E-03	5.314E-03	7.315E-03	9.680E-03
4.97E 00----6.36E 00	2.244E-03	2.631E-03	2.891E-03	3.090E-03	3.747E-03	5.449E-03	7.728E-03	1.055E-02
4.07E 00----4.97E 00	2.077E-02	4.577E-03	5.716E-03	6.673E-03	5.899E-03	8.574E-03	1.217E-02	1.651E-02
3.01E 00----4.07E 00	2.077E-02	3.01E 00	4.318E-03	4.673E-03	5.899E-03	8.574E-03	1.217E-02	1.651E-02
2.46E 00----3.01E 00	4.577E-03	5.033E-03	5.565E-03	5.987E-03	7.445E-03	1.054E-02	1.463E-02	1.954E-02
2.35E 00----2.46E 00	4.269E-03	5.269E-03	5.633E-03	6.102E-03	6.745E-03	1.054E-02	1.463E-02	1.954E-02
1.83E 00----2.35E 00	5.303E-03	6.169E-03	6.548E-03	6.578E-03	7.897E-03	1.059E-02	1.400E-02	1.906E-02
1.11E 00----1.83E 00	4.892E-03	5.087E-03	6.057E-03	6.470E-03	7.746E-03	9.314E-03	1.144E-02	1.303E-02
5.50E-01----1.11E 00	5.59E-03	5.716E-03	6.308E-03	7.471E-03	7.814E-03	7.403E-03	1.058E-02	7.656E-02
1.11E-01----5.50E-01	5.801E-03	5.819E-03	5.912E-02	2.785E-02	2.840E-02	3.109E-02	3.033E-02	2.912E-02
1.35E-02----1.11E-01	2.796E-02	2.175E-02	2.150E-02	2.204E-02	2.218E-02	2.330E-02	2.239E-02	2.244E-02
5.83E-04----3.35E-02	2.159E-02	1.217E-02	1.223E-02	1.230E-02	1.235E-02	1.240E-02	1.245E-02	1.249E-02
1.01E-04----5.83E-04	5.087E-03	5.109E-03	5.121E-03	5.128E-03	5.135E-03	5.142E-03	5.148E-03	5.155E-03
2.90E-05----1.01E-04	5.064E-03	5.076E-03	5.087E-03	5.098E-03	5.110E-03	5.121E-03	5.132E-03	5.143E-03
1.07E-05----2.90E-05	1.447E-01	1.453E-01	1.458E-01	1.462E-01	1.469E-01	1.476E-01	1.483E-01	1.490E-01
3.06E-06----1.07E-05	3.774E-01	3.761E-01	3.788E-01	3.799E-01	3.810E-01	3.818E-01	3.824E-01	3.832E-01
1.12E-06----3.06E-06	9.916E-01	9.933E-01	9.948E-01	9.977E-01	1.000E-02	1.002E-02	1.004E-02	1.006E-02
4.14E-07----1.12E-06	2.128E-02	2.134E-02	2.141E-02	2.146E-02	2.151E-02	2.160E-02	2.167E-02	2.174E-02
0.0	--4.14E-07	3.037E-02	3.046E-02	3.054E-02	3.068E-02	3.075E-02	3.079E-02	3.082E-02

4 PI R**2 FLUENCE AT 150.0 METERS

8.167 TO 10.00 MEV NEUTRON SOURCE

(NEUTRONS/MEV/STERADIAN/SOURCE NEUTRON)											
ENERGY GROUP (MEV)	ANGLE 1 MU=-1.0000	ANGLE 2 MU=-0.9894	ANGLE 3 MU=-0.9446	ANGLE 4 MU=-0.8656	ANGLE 5 MU=-0.7550	ANGLE 6 MU=-0.6179	ANGLE 7 MU=-0.4580	ANGLE 8 MU=-0.2816	ANGLE 9 MU=-0.0950	SCALAR FLUX MU= 0.9894	ANGLE 17 MU= 0.9446
1.22E 01---1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01---1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00---1.00E 01	-8.442E-04	-6.517E-04	-2.4467E-04	9.521E-05	1.888E-04	2.113E-04	1.342E-05	5.335E-05	3.04E-04	3.04E-04	3.04E-04
6.36E 00---8.19E 00	3.636E-03	3.506E-03	3.040E-03	2.983E-03	2.847E-03	3.062E-03	3.680E-03	4.618E-03	5.727E-03	5.727E-03	4.051E-03
4.97E 00---6.36E 00	3.034E-03	3.024E-03	2.994E-03	2.967E-03	2.991E-03	3.100E-03	3.314E-03	3.633E-03	3.633E-03	3.633E-03	4.051E-03
4.07E 00---4.97E 00	2.6464E-03	2.653E-03	2.681E-03	2.736E-03	2.824E-03	2.948E-03	2.667E-03	2.790E-03	3.117E-03	3.117E-03	3.637E-03
3.01E 00---4.07E 00	2.469E-03	2.473E-03	2.492E-03	2.525E-03	2.582E-03	2.667E-03	2.790E-03	2.963E-03	3.204E-03	3.204E-03	3.204E-03
2.46E 00---3.01E 00	3.857E-03	3.864E-03	3.893E-03	3.953E-03	4.048E-03	4.188E-03	4.289E-03	4.670E-03	5.061E-03	5.061E-03	5.061E-03
2.35E 00---2.46E 00	5.190E-03	5.19E-03	5.232E-03	5.304E-03	5.426E-03	5.615E-03	5.895E-03	6.275E-03	6.855E-03	6.855E-03	6.901E-03
1.83E 00---2.35E 00	4.843E-03	4.905E-03	4.945E-03	5.018E-03	5.045E-03	5.154E-03	5.275E-03	5.601E-03	6.901E-03	6.901E-03	6.901E-03
1.11E 00---1.83E 00	6.100E-03	6.117E-03	6.185E-03	6.321E-03	6.526E-03	6.812E-03	7.193E-03	7.688E-03	8.328E-03	8.328E-03	8.328E-03
5.50E-01---1.11E 00	9.611E-03	9.631E-03	9.713E-03	9.874E-03	1.011E-02	1.044E-02	1.088E-02	1.143E-02	1.212E-02	1.212E-02	1.212E-02
1.11E-01---5.50E-01	1.431E-02	1.433E-02	1.442E-02	1.459E-02	1.483E-02	1.516E-02	1.560E-02	1.604E-02	1.660E-02	1.660E-02	1.660E-02
3.35F-02---1.11E-01	8.514E-02	8.520E-02	8.547E-02	8.598E-02	8.671E-02	8.764E-02	8.876E-02	9.007E-02	9.155E-02	9.155E-02	9.155E-02
5.83E-04---3.35E-02	7.101E-02	7.105E-02	7.121E-02	7.151E-02	7.193E-02	7.247E-02	7.312E-02	7.386E-02	7.461E-02	7.461E-02	7.461E-02
1.01E-04---5.83E-04	6.144E-00	6.154E-00	6.159E-00	6.190E-00	6.217E-00	6.248E-00	6.322E-00	6.384E-00	6.454E-00	6.454E-00	6.454E-00
2.90E-05---1.01E-04	1.756E-01	1.765E-01	1.776E-01	1.773E-01	1.773E-01						
1.07E-05---2.90E-05	5.052E-01	5.054E-01	5.062E-01	5.078E-01	5.099E-01	5.125E-01	5.157E-01	5.193E-01	5.231E-01	5.231E-01	5.231E-01
3.06E-06---1.07E-05	1.332E-02	1.332E-02	1.334E-02	1.338E-02	1.343E-02	1.350E-02	1.357E-02	1.366E-02	1.375E-02	1.375E-02	1.375E-02
1.12E-06---3.06E-06	3.524E-02	3.525E-02	3.530E-02	3.540E-02	3.552E-02	3.569E-02	3.588E-02	3.609E-02	3.632E-02	3.632E-02	3.632E-02
6.14E-07---1.12E-06	7.630E-02	7.632E-02	7.643E-02	7.662E-02	7.688E-02	7.721E-02	7.760E-02	7.803E-02	7.859E-02	7.859E-02	7.859E-02
0.0	1.096E-03	1.097E-03	1.098E-03	1.101E-03	1.105E-03	1.109E-03	1.114E-03	1.119E-03	1.125E-03	1.125E-03	1.125E-03
1.22E 01---1.50E 01	MU= 0.0950	MU= 0.2816	MU= 0.4580	MU= 0.6179	MU= 0.7550	MU= 0.8656	MU= 0.9446	MU= 0.9894	0.0	0.0	0.0
1.00E 01---1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00---1.00E 01	5.601E-04	1.705E-03	1.813E-03	3.669E-03	8.249E-03	3.404E-02	2.305E-02	1.591E-01	1.422E-00	3.403E-01	3.403E-01
6.36E 00---8.19E 00	5.582E-03	9.054E-03	9.131E-03	1.280E-02	1.801E-02	2.305E-02	4.059E-02	8.269E-02	8.269E-02	8.269E-02	8.269E-02
4.97E 00---6.36E 00	6.116E-03	4.419E-03	7.853E-03	7.853E-03	7.853E-03	1.030E-02	1.736E-02	2.791E-02	2.791E-02	2.791E-02	2.791E-02
4.07E 00---4.97E 00	5.257E-03	3.795E-03	5.358E-03	6.544E-03	7.165E-03	1.031E-02	1.346E-02	2.150E-02	2.277E-02	2.277E-02	2.277E-02
3.01E 00---4.07E 00	3.009E-03	4.453E-03	4.223E-03	5.979E-03	6.623E-03	9.477E-03	1.261E-02	2.090E-02	5.577E-02	5.577E-02	5.577E-02
2.45E 00---3.01E 00	4.817E-03	7.065E-03	6.830E-03	9.544E-03	1.082E-02	1.555E-02	2.094E-02	2.643E-02	9.000E-02	9.000E-02	9.000E-02
2.35E 00---2.45E 00	1.001E-02	1.045E-02	1.288E-02	1.453E-02	1.494E-02	2.094E-02	2.791E-02	4.642E-02	1.235E-01	1.235E-01	1.235E-01
1.83E 00---2.35E 00	6.585E-03	9.88E-03	9.406E-03	1.337E-02	1.480E-02	2.125E-02	2.847E-02	4.875E-02	1.220E-01	1.220E-01	1.220E-01
1.11E 00---1.83E 00	1.157E-02	8.81E-03	1.173E-02	1.395E-02	1.494E-02	2.011E-02	2.673E-02	3.617E-02	1.342E-01	1.342E-01	1.342E-01
5.50E-01---1.11E 00	1.423E-02	1.330E-02	1.547E-02	1.729E-02	1.860E-02	2.216E-02	2.816E-02	3.183E-02	1.763E-01	1.763E-01	1.763E-01
1.11E 00---5.50E-01	1.362E-02	1.987E-02	1.878E-02	1.895E-02	2.213E-02	2.119E-02	2.395E-02	2.484E-02	1.178E-01	1.178E-01	1.178E-01
3.95E-02---1.11E 00	9.607E-02	9.451E-02	9.493E-02	1.003E-01	9.818E-02	1.021E-01	1.034E-01	1.035E-01	1.170E-01	1.170E-01	1.170E-01
5.83E-04---3.95E-02	7.633E-02	7.728E-02	7.887E-02	7.887E-02	7.887E-02	8.000E-02	8.029E-02	8.029E-02	9.459E-01	9.459E-01	9.459E-01
1.01E 04---5.83E-04	4.363E-00	4.404E-00	4.445E-00	4.483E-00	4.516E-00	4.544E-00	4.577E-00	4.577E-00	5.665E-01	5.665E-01	5.665E-01
2.90E-05---1.01E-04	1.838E-01	1.853E-01	1.868E-01	1.882E-01	1.894E-01	1.903E-01	1.915E-01	1.915E-01	2.302E-02	2.302E-02	2.302E-02
1.07E-05---2.90E-05	5.271E-01	5.311E-01	5.350E-01	5.386E-01	5.416E-01	5.444E-01	5.473E-01	5.473E-01	6.604E-02	6.604E-02	6.604E-02
3.06E-06---1.07E-05	1.385E-02	1.394E-02	1.404E-02	1.412E-02	1.420E-02	1.426E-02	1.433E-02	1.433E-02	1.735E-03	1.735E-03	1.735E-03
1.12E-06---3.06E-06	3.656E-02	3.679E-02	3.702E-02	3.723E-02	3.742E-02	3.757E-02	3.772E-02	3.772E-02	4.581E-03	4.581E-03	4.581E-03
4.14E-07---1.12E-06	7.898E-02	7.947E-02	7.993E-02	8.036E-02	8.073E-02	8.103E-02	8.125E-02	8.125E-02	9.899E-03	9.899E-03	9.899E-03
0.0	4.143E-07	1.131E-03	1.137E-03	1.149E-03	1.153E-03	1.157E-03	1.157E-03	1.157E-03	1.160E-03	1.160E-03	1.160E-03

4 PI R**2 FLUENCE AT 200.0 METERS

8.187 TO 10.00 MEV NEUTRON SOURCE

(NEUTRONS/MEV/SSTERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=-0.9894	ANGLE 2 MU=-0.9446	ANGLE 3 MU=-0.8656	ANGLE 4 MU=-0.7550	ANGLE 5 MU=-0.6179	ANGLE 6 MU=-0.4580	ANGLE 7 MU=-0.2816	ANGLE 8 MU=-0.0950	ANGLE 9 MU=0.0
1.22E 01----1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01----1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00----1.00E 01	-7.457E-04	-2.139E-04	6.163E-05	1.900E-04	2.671E-03	2.914E-04	5.546E-06	5.453E-05	3.247E-04
6.36E 00----8.19E 00	3.399E-03	3.080E-03	2.779E-03	2.905E-03	3.206E-03	3.249E-03	3.563E-03	4.523E-03	5.642E-03
4.97E 00----6.36E 00	3.269E-03	3.227E-03	3.227E-03	3.206E-03	3.249E-03	3.394E-03	3.670E-03	4.062E-03	4.563E-03
4.07E 00----4.97E 00	3.109E-03	3.117E-03	3.150E-03	3.219E-03	3.224E-03	3.477E-03	3.681E-03	3.625E-03	4.306E-03
3.01E 00----4.07E 00	2.916E-03	2.937E-03	2.937E-03	2.973E-03	3.034E-03	3.127E-03	3.265E-03	3.462E-03	3.70E-03
2.46E 00----3.01E 00	4.517E-03	4.525E-03	4.559E-03	4.677E-03	4.736E-03	4.899E-03	5.134E-03	5.469E-03	5.940E-03
2.35E 00----2.46E 00	6.159E-03	6.168E-03	6.209E-03	6.298E-03	6.448E-03	6.688E-03	7.534E-03	8.239E-03	8.239E-03
1.83E 00----2.35E 00	5.702E-03	5.718E-03	5.784E-03	5.819E-03	5.919E-03	6.436E-03	6.856E-03	7.424E-03	8.180E-03
1.11E 00----1.83E 00	7.421E-03	7.527E-03	7.626E-03	7.950E-03	8.304E-03	8.775E-03	9.386E-03	1.017E-02	1.017E-02
5.50E-01----1.11E 00	1.258E-02	1.261E-02	1.272E-02	1.295E-02	1.329E-02	1.377E-02	1.435E-02	1.511E-02	1.507E-02
1.11E-01----5.50E-01	2.033E-02	2.046E-02	2.060E-02	2.086E-02	2.124E-02	2.174E-02	2.236E-02	2.311E-02	2.401E-02
3.35E-02----1.11E-01	1.302E-01	1.307E-01	1.316E-01	1.316E-01	1.329E-01	1.364E-01	1.364E-01	1.387E-01	1.413E-01
5.83E-04----3.35E-02	1.110E-01	1.111E-01	1.114E-01	1.120E-01	1.127E-01	1.137E-01	1.149E-01	1.163E-01	1.178E-01
1.01E-04----5.83E-04	6.579E-00	6.582E-00	6.598E-00	6.626E-00	6.667E-00	6.718E-00	6.778E-00	6.847E-00	6.933E-00
2.90E-05----1.01E-04	2.812E-01	2.822E-01	2.832E-01	2.846E-01	2.866E-01	2.889E-01	2.916E-01	2.944E-01	2.944E-01
1.07E-05----2.90E-05	8.171E-01	8.141E-01	8.158E-01	8.188E-01	8.230E-01	8.284E-01	8.348E-01	8.420E-01	8.484E-01
2.06E-06----1.07E-05	2.159E-02	2.163E-02	2.170E-02	2.176E-02	2.181E-02	2.195E-02	2.211E-02	2.228E-02	2.247E-02
1.12E-06----3.06E-06	5.735E-02	5.737E-02	5.747E-02	5.766E-02	5.793E-02	5.922E-02	5.965E-02	5.910E-02	5.951E-02
4.14E-07----1.12E-06	1.246E-03	1.247E-03	1.249E-03	1.253E-03	1.258E-03	1.265E-03	1.273E-03	1.282E-03	1.292E-03
0.0 ----4.14E-07	1.797E-03	1.798E-03	1.801E-03	1.807E-03	1.814E-03	1.823E-03	1.834E-03	1.845E-03	1.857E-03
ENERGY GROUP (MEV)	ANGLE 11 MU= 0.2816	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9894	SCALAR FLUX	
1.22E 01----1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01----1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00----1.00E 01	1.034E-03	1.383E-03	2.239E-03	3.281E-03	7.928E-03	2.455E-02	1.146E-01	1.189E-00	2.775E-01
6.36E 00----8.19E 00	7.492E-03	1.013E-02	1.160E-02	1.708E-02	1.708E-02	2.588E-02	4.364E-02	9.281E-02	1.248E-01
4.97E 00----6.36E 00	6.694E-03	6.422E-03	9.188E-03	9.188E-03	9.188E-03	1.520E-02	1.637E-02	3.446E-02	8.333E-02
4.07E 00----4.97E 00	5.985E-03	5.752E-03	7.916E-03	8.881E-03	8.881E-03	1.222E-02	1.637E-02	2.594E-02	7.356E-02
3.01E 00----4.07E 00	4.421E-03	5.643E-03	6.323E-03	8.253E-03	8.253E-03	1.045E-02	1.486E-02	2.346E-02	6.545E-02
2.46E 00----3.01E 00	7.013E-03	9.127E-03	1.035E-02	1.362E-02	1.362E-02	2.566E-02	2.566E-02	3.441E-02	1.071E-01
2.35E 00----2.46E 00	1.166E-02	1.143E-02	1.143E-02	1.812E-02	1.812E-02	2.532E-02	2.532E-02	3.823E-02	1.473E-01
1.83E 00----2.35E 00	9.803E-03	9.953E-03	1.275E-02	1.430E-02	1.860E-02	2.356E-02	3.380E-02	5.542E-02	1.444E-01
1.11E 00----1.83E 00	9.780E-03	1.358E-02	1.310E-02	1.705E-02	1.843E-02	2.37E-02	2.920E-02	4.148E-02	1.593E-01
5.50E-01----1.11E 00	1.653E-02	1.923E-02	2.302E-02	2.318E-02	2.514E-02	2.922E-02	3.355E-02	4.103E-02	2.322E-01
1.11E-01----5.50E-01	2.728E-02	2.443E-02	2.886E-02	2.769E-02	3.128E-02	3.133E-02	3.411E-02	3.524E-02	3.193E-01
3.35E-02----1.11E-01	1.420E-01	1.491E-01	1.536E-01	1.554E-01	1.554E-01	1.585E-01	1.601E-01	1.615E-01	1.803E-00
5.83E-04----3.35E-02	1.194E-01	1.221E-01	1.243E-01	1.257E-01	1.257E-01	1.265E-01	1.278E-01	1.283E-01	1.493E-00
1.01E-04----5.83E-04	7.002E-00	7.164E-00	7.239E-00	7.306E-00	7.306E-00	7.403E-00	7.426E-00	7.467E-00	8.767E-01
2.90E-05----1.01E-04	2.975E-01	3.005E-01	3.035E-01	3.063E-01	3.088E-01	3.108E-01	3.123E-01	3.132E-01	3.724E-02
1.07E-05----2.90E-05	8.663F-01	8.743E-01	8.819E-01	8.885E-01	8.939E-01	8.979E-01	9.001E-01	9.016E-01	1.074E-03
3.06E-06----1.07E-05	2.267E-02	2.307E-02	2.325E-02	2.341E-02	2.354E-02	2.363E-02	2.369E-02	2.374E-02	2.839E-03
1.12E-06----3.06E-06	6.007E-02	6.106E-02	6.151E-02	6.190E-02	6.223E-02	6.246E-02	6.259E-02	6.272E-02	7.524E-03
4.14E-07----1.12E-06	1.302E-02	1.322E-02	1.332E-02	1.340E-02	1.351E-02	1.364E-02	1.374E-02	1.384E-02	1.631E-04
0.0 ----4.14E-07	1.870E-03	1.893E-03	1.908E-03	1.922E-03	1.931E-03	1.941E-03	1.951E-03	1.961E-03	2.344E-04

4 PI R**2 FLUENCE AT 300.0 METERS

8.187 TO 10.00 MEV NEUTRON SOURCE

(NEUTRONS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=-1.0000	ANGLE 2 MU=0.9894	ANGLE 3 MU=-0.9446	ANGLE 4 MU=-0.8656	ANGLE 5 MU=-0.7550	ANGLE 6 MU=-0.6179	ANGLE 7 MU=0.4580	ANGLE 8 MU=-0.2816	ANGLE 9 MU=-0.0950
1.22E 01----1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01----1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00----1.00E 01	-5.478E-04	-4.425E-04	-1.412E-04	2.504E-04	1.946E-04	-1.004E-05	4.067E-05	3.039E-04	3.039E-04
6.36E 00----8.19E 00	2.652E-03	2.596E-03	2.413E-03	2.193E-03	2.148E-03	2.401E-03	2.987E-03	3.827E-03	4.789E-03
4.97E 00----6.36E 00	3.137E-03	3.128E-03	3.102E-03	3.095E-03	3.166E-03	3.355E-03	3.678E-03	4.125E-03	4.681E-03
4.07E 00----4.97E 00	3.392E-03	3.401E-03	3.641E-03	3.522E-03	3.646E-03	3.823E-03	4.062E-03	4.378E-03	4.93E-03
3.01E 00----4.07E 00	3.246E-03	3.249E-03	3.264E-03	3.291E-03	3.291E-03	3.451E-03	3.597E-03	3.812E-03	4.121E-03
2.66E 00----3.01E 00	4.971E-03	4.980E-03	5.017E-03	5.023E-03	5.215E-03	5.399E-03	5.669E-03	6.058E-03	6.609E-03
2.35F 00----2.66E 00	6.892E-03	6.904E-03	6.956E-03	7.068E-03	7.257E-03	7.552E-03	7.991E-03	8.623E-03	9.512E-03
1.83F 00----2.35E 00	6.439E-03	6.459E-03	6.536E-03	6.698E-03	6.698E-03	7.300E-03	7.795E-03	8.463E-03	9.347E-03
1.21E 00----1.83E 00	8.684E-03	8.709E-03	8.814E-03	9.018E-03	9.327E-03	9.756E-03	1.033E-02	1.107E-02	1.101E-02
5.50E-01----1.11E 00	1.623E-02	1.67E-02	1.644E-02	1.676E-02	1.723E-02	1.789J-02	1.874E-02	1.983E-02	2.119E-02
1.21E-01----5.0E-01	2.983E-02	2.98E-02	3.011E-02	3.033E-02	3.114E-02	3.195E-02	3.295E-02	3.417E-02	3.559E-02
3.35E-02----1.11E-01	2.103E-01	2.105E-01	2.114E-01	2.131E-01	2.155E-01	2.186E-01	2.224E-01	2.268E-01	2.317E-01
5.83E-04----3.55E-02	1.856E-01	1.858E-01	1.864E-01	1.875E-01	1.891E-01	1.912E-01	1.936E-01	1.964E-01	1.995E-01
1.01E-04----5.83E-04	1.127E-01	1.128E-01	1.132E-01	1.138E-01	1.146E-01	1.158E-01	1.171E-01	1.186E-01	1.202E-01
2.50E-05----1.01E-04	4.893E-01	4.897E-01	4.910E-01	4.935E-01	4.974E-01	5.067E-01	5.127E-01	5.193E-01	5.261E-01
1.07E-05----2.50E-05	1.431E-02	1.436E-02	1.436E-02	1.443E-02	1.453E-02	1.465E-02	1.480E-02	1.497E-02	1.515E-02
3.06E-06----1.07E-05	3.840E-02	3.843E-02	3.852E-02	3.870E-02	3.895E-02	3.926E-02	3.964E-02	4.006E-02	4.053E-02
1.12E-06----3.06E-06	1.029E-03	1.030E-03	1.032E-03	1.037E-03	1.051E-03	1.061E-03	1.072E-03	1.083E-03	1.093E-03
4.14E-07----1.12E-06	2.253E-03	2.259E-03	2.269E-03	2.282E-03	2.299E-03	2.319E-03	2.342E-03	2.366E-03	2.386E-03
3.00	3.275E-03	3.277E-03	3.284E-03	3.298E-03	3.316E-03	3.339E-03	3.364E-03	3.393E-03	3.424E-03

ENERGY GROUP (MEV)	ANGLE 11 MU= 0.2816	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9694	SCALAR FLUX
1.22F 01----1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00F 01----1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00----1.00E 01	7.9227E-04	1.415E-03	1.890E-03	3.087E-03	7.049E-03	1.995E-02	7.202E-02	7.711E-01
6.36F 00----8.19E 00	5.611E-03	6.963E-03	8.172E-03	1.056E-02	1.457E-02	2.318E-02	4.186E-02	9.317E-02
4.97E 00----6.36E 00	6.574E-03	9.03E-03	9.03E-03	9.03E-03	1.071E-02	1.377E-02	1.893E-02	3.914E-02
4.07E 00----4.97E 00	5.510E-03	5.938E-03	7.218E-03	8.39E-03	8.901E-03	1.151E-02	1.558E-02	2.882E-02
3.01E 00----4.07E 00	5.231E-03	5.966E-03	7.269E-03	7.269E-03	7.269E-02	1.522E-02	2.372E-02	7.126E-02
2.46E 00----3.01E 00	7.284E-03	8.918E-03	9.181E-03	9.181E-03	9.181E-02	1.522E-02	2.834E-02	4.834E-02
2.35F 00----2.46E 00	1.105E-02	1.502E-02	1.750E-02	1.750E-02	2.297E-02	2.991E-02	4.262E-02	6.995E-02
1.83E 00----2.35E 00	1.035E-02	1.218E-02	1.396E-02	1.694E-02	2.057E-02	2.641E-02	3.605E-02	5.748E-02
1.11E 00----1.83E 00	1.361E-02	1.439E-02	1.881E-02	2.234E-02	2.623E-02	3.249E-02	4.262E-02	1.862E-01
5.50E-01----1.11E 00	2.307E-02	2.476E-02	3.022E-02	3.415E-02	3.839E-02	4.397E-02	5.127E-02	3.067E-01
1.11E-01----5.50E-01	3.641E-02	3.766E-02	4.366E-02	4.368E-02	4.529E-02	4.809E-02	4.988E-02	5.193E-02
3.35E-02----1.11E-01	2.381E-01	2.420E-01	2.488E-01	2.537E-01	2.595E-01	2.636E-01	2.675E-01	2.698E-01
5.83E-04----3.45E-02	2.028E-01	2.063E-01	2.097E-01	2.130E-01	2.159E-01	2.184E-01	2.202E-01	2.213E-01
1.01E-04----5.83E-04	1.220E-01	1.238E-01	1.256E-01	1.473E-01	1.528E-01	1.530E-01	1.531E-01	1.526E-01
2.90E-05----1.01E-04	5.262E-01	5.332E-01	5.402E-01	5.468E-01	5.526E-01	5.574E-01	5.610E-01	5.584E-01
1.01E-05----2.90E-05	1.535E-02	1.554E-02	1.574E-02	1.598E-02	1.608E-02	1.621E-02	1.631E-02	1.620E-02
3.06E-06----1.01E-05	4.101E-02	4.151E-02	4.193E-02	4.244E-02	4.284E-02	4.317E-02	4.341E-02	4.355E-02
1.12E-06----3.06E-06	1.096E-03	1.108E-03	1.120E-03	1.132E-03	1.142E-03	1.156E-03	1.160E-03	1.171E-04
4.14E-07----1.12E-06	2.392E-03	2.418E-03	2.443E-03	2.467E-03	2.488E-03	2.505E-03	2.517E-03	2.524E-03
3.00	3.451E-03	3.524E-03	3.555E-03	3.582E-03	3.603E-03	3.620E-03	3.637E-03	3.652E-03

4 PI R**2 FLUENCE AT 400.0 METERS

8.187 TO 10.00 MEV NEUTRON SOURCE

(NEUTRONS/MEV/STERADIANS/SOURCE NEUTRON)									
ENERGY GROUP (MEV)	ANGLE 1 MU=1.0000	ANGLE 2 MU=-C.9894	ANGLE 3 MU=0.9446	ANGLE 4 MU=0.8656	ANGLE 5 MU=0.7550	ANGLE 6 MU=C.6179	ANGLE 7 MU=-0.4580	ANGLE 8 MU=-0.2816	ANGLE 9 MU=-0.0950
1.22E-01---1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01---1.22E 01	-3.704E-04	-2.985E-04	-8.746E-05	-4.350E-05	-1.899E-04	1.233E-04	-9.320E-06	4.072E-05	2.720E-04
8.19E 00---1.00E 01	1.930E-03	1.892E-03	1.765E-03	1.625E-03	1.840E-03	2.305E-03	2.968E-03	3.716E-03	3.716E-03
6.36E 00---8.19E 00	2.652E-03	2.645E-03	2.625E-03	2.631E-03	2.705E-03	2.900E-03	3.210E-03	3.630E-03	4.145E-03
4.97E 00---6.36E 00	3.153E-03	3.144E-03	3.133E-03	3.173E-03	3.273E-03	3.567E-03	3.791E-03	4.508E-03	4.508E-03
4.07E 00---4.97E 00	3.074E-03	3.076E-03	3.088E-03	3.115E-03	3.166E-03	3.252E-03	3.389E-03	3.592E-03	3.889E-03
3.01E 00---4.07E 00	3.074E-03	3.076E-03	3.088E-03	3.115E-03	3.166E-03	3.252E-03	3.389E-03	3.592E-03	3.889E-03
2.46E 00---3.01E 00	4.681E-03	4.689E-03	4.725E-03	4.799E-03	4.919E-03	5.101E-03	5.370E-03	5.760E-03	6.317E-03
2.35E 00---2.46E 00	6.564E-03	6.577E-03	6.634E-03	6.755E-03	6.938E-03	7.271E-03	7.736E-03	8.404E-03	9.343E-03
1.83E 00---2.35E 00	6.254E-03	6.273E-03	6.353E-03	6.514E-03	6.763E-03	7.125E-03	7.625E-03	8.298E-03	9.189E-03
1.11E 00---1.83E 00	8.605E-03	8.621E-03	8.737E-03	8.946E-03	9.259E-03	9.695E-03	1.02E-02	1.102E-02	1.197E-02
5.50E-01---1.11E 00	1.715E-02	1.719E-02	1.738E-02	1.774E-02	1.828E-02	1.902E-02	1.999E-02	2.121E-02	2.275E-02
1.11E-01---5.50E-01	3.440E-02	3.447E-02	3.475E-02	3.527E-02	3.602E-02	3.702E-02	3.822E-02	3.977E-02	4.153E-02
3.35E-01---1.11E-01	2.608E-01	2.611E-01	2.624E-01	2.647E-01	2.680E-01	2.723E-01	2.774E-01	2.835E-01	2.902E-01
5.83E-04---3.35E-02	2.359E-01	2.361E-01	2.370E-01	2.385E-01	2.409E-01	2.438E-01	2.477E-01	2.514E-01	2.559E-01
1.01E-04---5.83E-04	1.460E-01	1.466E-01	1.466E-01	1.475E-01	1.498E-01	1.545E-01	1.572E-01	1.572E-01	1.572E-01
2.90E-05---1.01E-04	6.415E-01	6.420E-01	6.440E-01	6.478E-01	6.331E-01	6.598E-01	6.679E-01	6.872E-01	6.872E-01
1.07E-05---2.90E-05	1.893E-02	1.895E-02	1.901E-02	1.911E-02	1.926E-02	1.946E-02	1.969E-02	1.995E-02	2.024E-02
3.06E-06---1.07E-05	5.132E-02	5.135E-02	5.151E-02	5.179E-02	5.218E-02	5.268E-02	5.327E-02	5.395E-02	5.470E-02
1.12E-06---3.06E-06	1.386E-03	1.387E-03	1.391E-03	1.398E-03	1.408E-03	1.421E-03	1.436E-03	1.454E-03	1.473E-03
4.14E-07---1.12E-06	3.054E-03	3.064E-03	3.080E-03	3.101E-03	3.129E-03	3.161E-03	3.199E-03	3.239E-03	3.239E-03
0.0 ---4.14E-07	4.472E-03	4.475E-03	4.489E-03	4.510E-03	4.539E-03	4.576E-03	4.618E-03	4.666E-03	4.718E-03
ENERGY GROUP (MEV)	ANGLE 10 MU= 0.0950	ANGLE 11 MU= 0.2816	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9894	SCALAR FLUX
1.22E 01---1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01---1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00---1.00E 01	6.936E-04	1.130E-03	1.568E-03	2.536E-03	5.862E-03	1.615E-02	5.126E-02	4.852E-01	1.238E-01
6.36E 00---8.19E 00	4.95E-03	5.292E-03	6.781E-03	8.436E-03	1.188E-02	3.491E-02	3.93E-02	8.926E-02	8.926E-02
4.97E 00---6.36E 00	4.749E-03	5.587E-03	6.695E-03	8.636E-03	1.110E-02	1.542E-02	2.274E-02	3.721E-02	8.677E-02
4.07E 00---4.97E 00	5.028E-03	5.788E-03	6.781E-03	8.244E-03	1.031E-02	1.339E-02	1.818E-02	2.697E-02	7.924E-02
3.01E 00---4.07E 00	4.321E-03	4.897E-03	5.738E-03	6.880E-03	8.998E-03	1.078E-02	1.457E-02	2.4549E-02	6.699E-02
2.46E 00---3.01E 00	7.112E-03	8.198E-03	9.757E-03	1.193E-02	1.510E-02	1.987E-02	2.795E-02	4.549E-02	1.159E-01
2.35E 00---2.46E 00	1.248E-02	1.248E-02	1.394E-02	1.848E-02	2.349E-02	3.100E-02	4.359E-02	7.062E-02	1.752E-01
1.83E 00---2.35E 00	1.037E-02	1.187E-02	1.391E-02	1.657E-02	2.024E-02	2.544E-02	3.379E-02	5.107E-02	1.573E-01
1.12E 00---1.83E 00	1.312E-02	1.652E-02	1.652E-02	2.122E-02	2.122E-02	2.122E-02	2.812E-02	3.812E-02	1.831E-01
5.50E 01---1.12E 00	2.461E-02	2.696E-02	2.970E-02	3.304E-02	3.693E-02	4.152E-02	4.681E-02	5.312E-02	3.292E-01
1.11E 01---5.50E 01	4.370E-02	4.572E-02	4.837E-02	5.088E-02	5.368E-02	5.622E-02	5.880E-02	6.029E-02	5.519E-01
3.35E 02---1.11E 01	2.973E-01	3.055E-01	3.332E-01	3.211E-01	3.281E-01	3.391E-01	3.419E-01	3.724E-01	3.724E-01
5.83E-04---3.35E-02	2.606E-01	2.705E-01	2.752E-01	2.755E-01	2.831E-01	2.857E-01	2.873E-01	3.259E-01	3.259E-01
1.01E-04---5.83E-04	1.598E-01	1.626E-01	1.653E-01	1.678E-01	1.701E-01	1.720E-01	1.743E-01	1.743E-01	1.999E-02
2.90F-05---1.01E-04	6.979E-01	7.089E-01	7.197E-01	7.299E-01	7.390E-01	7.521E-01	7.554E-01	8.728E-02	8.728E-02
1.01E-05---2.90E-05	2.054E-02	2.085E-02	2.116E-02	2.145E-02	2.171E-02	2.192E-02	2.208E-02	2.517E-02	2.517E-02
3.06E-06---1.07E-05	5.548E-02	5.628E-02	5.706E-02	5.780E-02	5.855E-02	5.939E-02	5.962E-02	6.929E-03	6.929E-03
1.12E-06---3.06E-06	1.493E-03	1.514E-03	1.534E-03	1.553E-03	1.570E-03	1.584E-03	1.594E-03	1.868E-04	1.868E-04
4.14E-07---1.12E-06	4.774E-07	4.774E-07	4.831E-03	4.838E-03	4.940E-03	4.945E-03	4.952E-03	5.061E-04	5.061E-04
0.0 ---4.14E-07	4.774E-07	4.774E-07	4.831E-03	4.838E-03	4.940E-03	4.945E-03	4.952E-03	5.061E-04	5.061E-04

4 PI R**2 FLUENCE AT 500.0 METERS

8.187 TO 10.00 MEV NEUTRON SOURCE

(NEUTRONS/MEV/STERADIANSOURCE NEUTRIN)

ENERGY GROUP (MEV)	ANGLE 1 MU=-1.0000	ANGLE 2 MU=-0.9894	ANGLE 3 MU=0.9446	ANGLE 4 MU=-0.8756	ANGLE 5 MU=-0.7550	ANGLE 6 MU=0.6179	ANGLE 7 MU=-0.4580	ANGLE 8 MU=-0.2816	ANGLE 9 MU=-0.0950
1.22E 01---1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01---1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00---1.00E 01	-2.415E-04	-1.942E-04	-5.680E-05	-3.922E-05	1.248E-03	1.164E-03	1.341E-04	-3.878E-06	2.231E-04
6.36E 00---8.19E 00	1.356E-03	1.331E-03	1.248E-03	1.164E-03	1.177E-03	1.352E-03	1.705E-03	2.192E-03	2.444E-03
4.97E 00---6.36E 00	2.095E-03	2.050E-03	2.079E-03	2.089E-03	2.165E-03	2.333E-03	2.601E-03	2.959E-03	3.392E-03
4.07E 00---4.77E 00	2.667E-03	2.676E-03	2.711E-03	2.782E-03	2.890E-03	3.042E-03	3.246E-03	3.515E-03	3.869E-03
3.01E 00---4.07E 00	2.658E-03	2.660E-03	2.668E-03	2.690E-03	2.731E-03	2.803E-03	2.920E-03	3.098E-03	3.359E-03
2.46E 00---3.01E 00	4.036E-03	4.044E-03	4.076E-03	4.142E-03	4.250E-03	4.415E-03	4.660E-03	5.017E-03	5.529E-03
2.35E 00---2.46E 00	5.711E-03	5.724E-03	5.780E-03	5.898E-03	6.094E-03	6.394E-03	6.837E-03	7.471E-03	8.63E-03
1.83E 00---2.35E 00	5.567E-03	5.585E-03	5.659E-03	5.808E-03	6.039E-03	6.372E-03	6.731E-03	7.450E-03	8.269E-03
1.11E 00---1.83E 00	7.768E-03	7.792E-03	7.820E-03	8.082E-03	8.370E-03	8.772E-03	9.304E-03	9.922E-03	1.086E-02
5.50E-01---1.11E 00	1.621E-02	1.626E-02	1.645E-02	1.681E-02	1.734E-02	1.607E-02	1.903E-02	2.025E-02	2.177E-02
3.11E-01---5.50E-01	3.475E-02	3.482E-02	3.511E-02	3.565E-02	3.646E-02	3.752E-02	3.884E-02	4.043E-02	4.330E-02
3.35E-02---1.11E 01	2.784E-01	2.788E-01	2.802E-01	2.829E-01	2.866E-01	2.915E-01	2.974E-01	3.043E-01	3.121E-01
5.83E-04---3.35E-02	2.564E-01	2.567E-01	2.577E-01	2.596E-01	2.623E-01	2.657E-01	2.699E-01	2.746E-01	2.799E-01
1.01E-04---5.83E-04	1.611E-01	1.612E-01	1.618E-01	1.629E-01	1.644E-01	1.664E-01	1.688E-01	1.715E-01	1.746E-01
2.90E-05---1.01E-04	7.143E-01	7.149E-01	7.175E-01	7.221E-01	7.285E-01	7.368E-01	7.467E-01	7.581E-01	7.705E-01
1.07E-05---2.90E-05	2.124E-02	2.125E-02	2.133E-02	2.146E-02	2.165E-02	2.189E-02	2.217E-02	2.250E-02	2.286E-02
3.06E-06---1.07E-05	5.805E-02	5.805E-02	5.829E-02	5.864E-02	5.913E-02	5.976E-02	6.052E-02	6.138E-02	6.232E-02
1.12E-06---3.06E-06	1.577E-03	1.577E-03	1.593E-03	1.606E-03	1.623E-03	1.642E-03	1.665E-03	1.690E-03	1.720E-03
4.14E-07---1.12E-06	3.499E-03	3.499E-03	3.510E-03	3.530E-03	3.558E-03	3.593E-03	3.636E-03	3.684E-03	3.737E-03
0.0	5.153E-03	5.157E-03	5.173E-03	5.201E-03	5.240E-03	5.288E-03	5.343E-03	5.406E-03	5.475E-03
ENERGY GROUP (MEV)	ANGLE 10 MU= 0.0950	ANGLE 11 MU= 0.2810	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9894	SCALAR FLUX
1.22E 01---1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01---1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00---8.19E 00	5.379E-04	8.673E-04	1.204E-03	1.985E-03	4.594E-03	1.246E-02	1.489E-02	3.703E-02	3.027E-01
6.36E 00---6.36E 00	3.309E-03	3.929E-03	4.786E-03	6.286E-03	9.163E-03	9.442E-03	1.323E-02	1.812E-02	6.824E-02
4.97E 00---4.97E 00	3.917E-03	4.598E-03	5.911E-03	7.074E-03	9.442E-03	1.192E-02	1.593E-02	2.297E-02	6.869E-02
4.07E 00---4.97E 00	4.345E-03	4.995E-03	6.004E-03	7.319E-03	9.305E-03	1.203E-02	1.651E-02	2.5769E-02	5.769E-02
3.01E 00---4.07E 00	3.733E-03	4.260E-03	4.992E-03	6.004E-03	7.392E-03	9.305E-03	1.203E-02	1.651E-02	2.5769E-02
2.46E 00---3.01E 00	6.253E-03	8.722E-03	8.722E-03	8.722E-03	8.722E-03	9.392E-02	1.023E-02	1.023E-02	1.023E-02
2.35E 00---2.46E 00	9.607E-02	1.133E-02	1.273E-02	1.711E-02	2.193E-02	2.309E-02	4.077E-02	6.480E-02	1.603E-01
1.83E 00---2.35E 00	9.341E-03	1.074E-02	1.257E-02	1.498E-02	1.820E-02	2.266E-02	2.937E-02	4.219E-02	1.404E-01
1.11E 00---1.83E 00	1.196E-02	1.331E-02	1.500E-02	1.708E-02	1.963E-02	2.276E-02	2.663E-02	3.177E-02	6.677E-02
5.50E-01---1.11E 00	2.364E-02	2.591E-02	2.864E-02	3.137E-02	3.562E-02	3.989E-02	4.459E-02	4.958E-02	5.251E-01
1.11E-01---5.50E-01	4.443E-02	4.685E-02	4.945E-02	5.222E-02	5.500E-02	5.766E-02	5.993E-02	6.149E-02	5.626E-01
3.35E-02---1.11E-01	3.206E-01	3.294E-01	3.385E-01	3.473E-01	3.552E-01	3.625E-01	3.710E-01	4.010E-00	4.010E-01
5.83E-04---3.35E-02	2.856E-01	2.914E-01	2.973E-01	3.028E-01	3.152E-01	3.171E-01	3.211E-01	3.570E-01	3.570E-01
1.00E-04---5.83E-04	1.778E-01	1.811E-01	1.864E-01	1.875E-01	1.926E-01	1.943E-01	1.953E-01	2.222E-01	2.222E-01
2.90E-05---1.01E-04	7.838E-01	7.974E-01	8.108E-01	8.235E-01	8.349E-01	8.444E-01	8.513E-01	9.799E-01	9.799E-01
1.07E-05---2.90E-05	2.325E-02	2.364E-02	2.402E-02	2.439E-02	2.471E-02	2.498E-02	2.518E-02	2.530E-02	2.530E-02
3.06E-06---1.07E-05	6.332E-02	6.425E-02	6.535E-02	6.630E-02	6.714E-02	6.785E-02	6.833E-02	6.866E-02	7.918E-03
1.12E-06---3.06E-06	1.716E-03	1.742E-03	1.768E-03	1.793F-03	1.815E-03	1.846E-03	1.854E-03	1.884E-03	2.145E-04
4.14E-07---1.12E-06	3.793F-03	3.849E-03	3.905E-03	3.959E-03	4.006E-03	4.071E-03	4.087E-03	4.743E-04	5.931E-03
0.0	5.548E-03	5.624E-03	5.698E-03	5.768E-03	5.829E-03	5.878E-03	5.912E-03	6.942E-04	6.942E-03

4 PI R**2 FLUENCE AT 600.0 METERS

8.187 TO 10.00 MEV NEUTRON SOURCE

(NEUTRONS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=-1.0000	ANGLE 2 MU=-0.9894	ANGLE 3 MU=-0.9645	ANGLE 4 MU=-0.8656	ANGLE 5 MU=-0.7550	ANGLE 6 MU=-0.6179	ANGLE 7 MU=-0.4580	ANGLE 8 MU=-0.2816	ANGLE 9 MU=-0.0950
1.22E 01---1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01---1.22E 01	-1.545E-04	-1.239E-04	-3.142E-05	3.102E-05	9.112E-05	5.553E-05	8.310E-07	3.684E-05	1.739E-04
8.19E 00---1.00E 01	9.322E-04	9.164E-04	8.644E-04	8.150E-04	8.350E-04	9.669E-04	1.222E-03	1.571E-03	1.965E-03
6.36E 00---8.19E 00	1.588E-03	1.585E-03	1.578E-03	1.591E-03	1.575E-03	1.795E-03	2.013E-03	2.644E-03	2.644E-03
4.97E 00---6.36E 00	2.147E-03	2.140E-03	2.177E-03	2.236E-03	2.326E-03	2.451E-03	2.619E-03	2.841E-03	3.134E-03
4.07E 00---4.97E 00	2.169E-03	2.168E-03	2.175E-03	2.191E-03	2.224E-03	2.282E-03	2.377E-03	2.524E-03	2.741L-03
3.01E 00---4.07E 00	3.288E-03	3.294E-03	3.322E-03	3.378E-03	3.469E-03	3.610E-03	3.820E-03	4.568E-03	4.568E-03
2.46E 00---3.01E 00	4.688E-03	4.700E-03	4.751E-03	4.858E-03	5.033E-03	5.301E-03	5.693E-03	6.255E-03	7.044E-03
2.35E 00---2.46E 00	4.694E-03	4.679E-03	4.751E-03	4.889E-03	5.089E-03	5.377E-03	5.775E-03	6.310E-03	7.017E-03
1.83E 00---2.35E 00	6.623E-03	6.705E-03	6.874E-03	7.122E-03	7.469E-03	7.928E-03	8.521E-03	9.271E-03	9.271E-03
1.11E 00---1.83E 00	6.602E-03	6.428E-02	1.442E-02	1.482E-02	1.531E-02	1.597E-02	1.685E-02	1.796E-02	1.796E-02
1.11E -01---5.50E-01	3.222E-02	3.228E-02	3.250E-02	3.309E-02	3.386E-02	3.487E-02	3.614E-02	3.947E-02	3.947E-02
3.35E -02---1.11E-01	2.697E-01	2.700E-01	2.715E-01	2.742E-01	2.780E-01	2.929E-01	2.890E-01	2.960E-01	3.039E-01
5.83E -04---3.35E-02	2.519E-01	2.521E-01	2.532E-01	2.552E-01	2.579E-01	2.615E-01	2.658E-01	2.707E-01	2.762E-01
1.01E -04---5.83E-02	1.600E-01	1.601E-01	1.601E-01	1.619E-01	1.636E-01	1.682E-01	1.711E-01	1.743E-01	1.743E-01
2.90E -05---1.01E-04	7.150E-01	7.156E-01	7.183E-01	7.232E-01	7.301E-01	7.390E-01	7.496E-01	7.618E-01	7.752E-01
1.07E -05---2.90E-05	2.138E-02	2.140E-02	2.148E-02	2.162E-02	2.182E-02	2.208E-02	2.239E-02	2.275E-02	2.314E-02
3.06E -06---1.06E-05	5.284E-02	5.889E-02	5.948E-02	6.002E-02	6.071E-02	6.154E-02	6.249E-02	6.352E-02	6.352E-02
1.12E -06---3.06E-06	1.609E-03	1.610E-03	1.616E-03	1.624E-03	1.639E-03	1.657E-03	1.679E-03	1.704E-03	1.731E-03
4.14E -07---1.12E-06	3.580E-03	3.583E-03	3.592E-03	3.617E-03	3.648E-03	3.688E-03	3.735E-03	3.848E-03	3.848E-03
0.0	5.304E-03	5.309E-03	5.327E-03	5.358E-03	5.401E-03	5.455E-03	5.517E-03	5.588E-03	5.665E-03
ENERGY GROUP (MEV)	ANGLE 10 MU= 0.0950	ANGLE 11 MU= 0.2816	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 SCALAR FLUX MU= 0.9894	
1.22E 01---1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01---1.22E 01	4.007E-04	6.370E-04	8.905E-04	1.494E-03	3.463E-03	9.260E-03	2.643E-02	1.882E-01	5.461E-02
8.19E 00---1.00E 01	2.373E-03	3.610E-03	4.407E-03	5.643E-03	7.600E-03	1.073E-02	1.591E-02	2.711E-02	5.046E-02
6.36E 00---8.19E 00	3.529E-03	4.074E-03	4.844E-03	5.944E-03	7.522E-03	9.794E-03	1.312E-02	1.846E-02	5.347E-02
4.97E 00---6.36E 00	3.529E-03	4.074E-03	4.922E-03	5.102E-03	6.068E-03	7.587E-03	9.648E-03	1.271E-02	4.697E-02
4.07E 00---4.97E 00	3.01E 00---4.07E 00	5.193E-03	7.319E-03	9.073E-03	1.157E-02	1.524E-02	2.099E-02	3.215E-02	8.556E-02
3.01E 00---3.01E 00	5.195E-03	6.077E-03	7.319E-03	9.073E-03	1.157E-02	1.524E-02	2.099E-02	3.215E-02	8.556E-02
2.46E 00---3.01E 00	8.146E-03	9.682E-03	1.184E-02	1.486E-02	1.920E-02	2.562E-02	3.586E-02	5.601E-02	1.374E-01
2.35E 00---2.46E 00	7.944E-03	9.150E-03	1.07E-02	1.277E-02	1.547E-02	2.177E-02	3.432E-02	5.392E-02	1.185E-01
1.83E 00---2.35E 00	1.83E 00---1.83E 00	1.137E-02	1.282E-02	1.454E-02	1.633E-02	1.911E-02	2.402E-02	2.564E-02	1.395E-01
5.50E 00---1.11E 00	2.105E-02	2.312E-02	2.566E-02	2.850E-02	3.185E-02	3.556E-02	3.949E-02	4.330E-02	2.801E-01
1.11E 00---5.50E 01	4.153E-02	4.383E-02	4.633E-02	4.896E-02	5.160E-02	5.407E-02	5.614E-02	5.750E-02	5.255E-01
2.35E 00---2.35E 00	3.35E-02---1.11E-01	3.216E-01	3.308E-01	3.398E-01	3.481E-01	3.553E-01	3.606E-01	3.638E-01	3.908E-00
5.83E 00---3.35E 02	2.882E-01	2.945E-01	3.001E-01	3.053E-01	3.097E-01	3.130E-01	3.149E-01	3.526E-00	
1.01E 00---5.63E 04	1.777E 01	1.812E 01	1.841E 01	1.880E 01	1.910E 01	1.935E 01	1.944E 01	2.221E 02	
2.90E 00---1.01E 04	7.195E 01	8.041E 01	8.186E 01	8.324E 01	8.447E 01	8.549E 01	8.624E 01	9.868E 02	
1.07E 00---2.90E 05	2.356E 02	2.398E 02	2.442E 02	2.480E 02	2.516E 02	2.567E 02	2.580E 02	2.944E 03	
3.06E 00---1.07E 05	6.462E 02	6.575E 02	6.687E 02	6.792E 02	6.885E 02	7.020E 02	7.058E 02	8.078E 03	
1.12E 00---3.06E 06	1.760E 03	1.790E 03	1.819E 03	1.847E 03	1.871E 03	1.907E 03	1.915E 03	2.200E 04	
4.14E 00---1.12E 06	3.911E 03	4.031E 03	4.097E 03	4.149E 03	4.193E 03	4.225E 03	4.253E 03	4.889E 04	
0.0	5.834E 03	5.748E 03	5.915E 03	5.999E 03	6.068E 03	6.124E 03	6.164E 03	6.186E 03	7.191E 04

4 PI R**2 FLUENCE AT 900.0 METERS

8.187 TO 10.00 MEV NEUTRON SOURCE

(NEUTRONS/MEV/STERADIANSOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=-0.9894	ANGLE 2 MU=0.9446	ANGLE 3 MU=0.-0.8666	ANGLE 4 MU=-0.7550	ANGLE 5 MU=0.-0.6179	ANGLE 6 MU=0.-0.4580	ANGLE 7 MU=0.-0.2816	ANGLE 8 MU=0.-0.0950	ANGLE 9 MU=0.0
1.22E 01----1.50 E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01----1.22 E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00----1.00 E 01	-3.817E-05	-3.042E-05	-6.326E-06	1.124E-05	2.572E-05	1.467E-05	5.285E-06	1.672E-05	6.747E-05
6.36E 00----8.19E 00	2.820E-04	2.783E-04	2.670E-04	2.589E-04	2.728E-04	3.204E-04	4.057E-04	5.206E-04	6.516E-04
4.97E 00----6.36E 00	6.014E-04	6.007E-C4	6.004E-04	6.099E-04	6.417E-04	7.036E-04	7.967E-04	9.61E-04	1.061E-03
4.07E 00----4.97E 00	9.139E-04	9.139E-04	9.139E-04	9.139E-04	9.139E-04	9.139E-04	9.139E-04	9.139E-04	1.364E-03
3.01E 00----4.07E 00	9.580E-04	9.584E-04	9.606E-04	9.668E-04	9.802E-04	1.005E-03	1.048E-03	1.115E-03	1.215E-03
2.46E 00----3.01E 00	1.453E-03	1.456E-03	1.470E-03	1.497E-03	1.542E-03	1.612E-03	1.716E-03	1.871E-03	2.094E-03
2.35E 00----2.46E 00	2.110E-03	2.117E-03	2.147E-03	2.206E-03	2.302E-03	2.447E-03	2.657E-03	2.957E-03	3.379E-03
1.89E 00----2.35E 00	2.251E-03	2.259E-03	2.294E-03	2.361E-03	2.464E-03	2.614E-03	2.818E-03	3.094E-03	3.458E-03
1.11E 00----1.83E 00	3.266E-03	3.276E-03	3.320E-03	3.405E-03	3.532E-03	3.709E-03	3.943E-03	4.246E-03	4.627E-03
5.50E-01----1.11E 00	7.583E-03	7.606E-03	7.704E-03	7.892E-03	8.168E-03	8.505E-03	9.047E-03	9.681E-03	1.047E-02
1.11E-01----5.50E-01	1.896E-02	1.901E-02	1.919E-02	1.952E-02	2.009E-02	2.064E-02	2.143E-02	2.240E-02	2.353E-02
3.35E-02----1.11E-01	1.734E-01	1.736E-01	1.747E-01	1.765E-01	1.792E-01	1.827E-01	1.869E-01	1.919E-01	1.974E-01
5.83E-04----3.35E-02	1.664E-01	1.666E-01	1.674E-01	1.688E-01	1.708E-01	1.734E-01	1.765E-01	1.801E-01	1.841E-01
1.01E-04----5.83E-04	1.081E-01	1.082E-01	1.087E-01	1.095E-01	1.124E-01	1.142E-01	1.164E-01	1.188E-01	1.208E-01
2.90E-05----1.01E-04	4.903E-01	4.908E-01	4.929E-01	4.966E-01	5.019E-01	5.088E-01	5.169E-01	5.263E-01	5.367E-01
1.07E-05----2.90E-05	1.483E-02	1.484E-02	1.491E-02	1.502E-02	1.518E-02	1.538E-02	1.562E-02	1.590E-02	1.621E-02
3.06E-06----1.07E-05	4.139E-02	4.143E-02	4.160E-02	4.190E-02	4.233E-02	4.289E-02	4.355E-02	4.431E-02	4.444E-02
1.12E-06----3.06E-06	1.143E-03	1.144E-03	1.148E-03	1.157E-03	1.168E-03	1.183E-03	1.201E-03	1.221E-03	1.244E-03
4.14E-07----1.12E-06	2.573E-03	2.573E-03	2.583E-03	2.601E-03	2.627E-03	2.660E-03	2.699E-03	2.744E-03	2.793E-03
0.0	3.851E-03	3.855E-03	3.870E-03	3.896E-03	3.932E-03	3.976E-03	4.029E-03	4.089E-03	4.154E-03
ENERGY GROUP (MEV)	ANGLE 10 MU= 0.0950	ANGLE 11 MU= 0.2816	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9894	SCALAR FLUX
1.22E 01----1.50 E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01----1.22 E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00----1.00 E 01	1.410E-04	2.186E-04	3.145E-04	5.539E-04	1.285E-03	3.310E-03	8.786E-03	4.501E-02	1.551E-02
6.36E 00----8.19E 00	9.715E-04	9.715E-04	1.673E-03	1.673E-03	1.673E-03	1.673E-03	1.673E-03	1.673E-03	1.825E-02
4.97E 00----6.36E 00	1.237E-03	1.474E-03	1.828E-03	2.389E-03	3.283E-03	4.699E-03	6.954E-03	1.078E-02	2.232E-02
4.07E 00----4.97E 00	1.545E-03	1.800E-03	2.163E-03	2.684E-03	3.426E-03	4.466E-03	5.893E-03	7.832E-03	2.482E-02
3.01E 00----4.07E 00	1.360E-03	1.564E-03	1.845E-03	2.225E-03	2.722E-03	3.354E-03	4.123E-03	5.015E-03	7.047E-02
2.46E 00----3.01E 00	2.413E-03	2.865E-03	3.506E-03	4.413E-03	5.699E-03	7.539E-03	1.024E-02	1.466E-02	4.041E-02
2.35E 00----2.46E 00	3.971E-03	4.807E-03	5.933E-03	7.694E-03	1.016E-02	1.381E-02	1.942E-02	2.922E-02	6.950E-02
1.83E 00----2.35E 00	3.935E-03	4.554E-03	5.354E-03	6.383E-03	7.697E-03	9.371E-03	1.150E-02	1.441E-02	5.793E-02
1.11E 00----1.33 E 00	5.100E-03	5.681E-03	6.100E-03	6.844E-03	7.220E-03	8.187E-03	9.037E-02	1.037E-02	6.882E-02
5.50E 01----1.11 E 00	1.144E-02	1.261E-02	1.400E-02	1.561E-02	1.742E-02	1.935E-02	2.123E-02	2.275E-02	1.517E-01
1.11E-01----5.50E-01	2.483E-02	2.627E-02	2.733E-02	2.945E-02	3.107E-02	3.255E-02	3.375E-02	3.449E-02	3.138E-01
3.35E 02----1.11 E-01	2.035E-01	2.098E-01	2.163E-01	2.227E-01	2.285E-01	2.334E-01	2.372E-01	2.393E-01	2.544E-00
5.83E 04----3.35E-02	1.884E-01	1.928E-01	1.973E-01	2.015E-01	2.053E-01	2.085E-01	2.109E-01	2.123E-01	2.354E-00
1.01E-04----5.83E-04	1.214E-01	1.241E-01	1.267F-01	1.292E-01	1.315E-01	1.334E-01	1.356E-01	1.377E-01	1.517E-02
2.50E-05----1.01 E-04	5.477E-01	5.591E-01	5.704E-01	5.811E-01	5.906E-01	5.986E-01	6.045E-01	6.079E-01	6.843E-02
1.07E-05----2.50E-05	1.17E-02	1.721E-02	1.753E-02	1.781E-02	1.805E-02	1.822E-02	1.832E-02	1.842E-02	2.067E-03
3.06E-06----1.07E-05	4.603E-02	4.785E-02	4.871E-02	4.947E-02	5.011E-02	5.058E-02	5.152E-02	5.254E-02	5.752E-03
1.12E-06----3.06E-06	1.268E-03	1.316E-03	1.335E-03	1.360E-03	1.377E-03	1.389E-03	1.396E-03	1.404E-03	1.584E-04
4.14E-07----1.12E-06	2.845E-03	2.899E-03	3.012E-03	3.046E-03	3.111E-03	3.126E-03	3.142E-03	3.155E-03	3.283E-03
0.0	4.225E-03	4.298E-03	4.371E-03	4.439E-03	4.499E-03	4.547E-03	4.582E-03	4.602E-03	5.283E-03

4 PL R**2 FLUENCE AT 1200.0 METERS

8.187 TO 10.00 MEV NEUTRON SOURCE

(NEUTRONS/MFV/STERADIANS/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=-1.0000	ANGLE 2 MU=0.9446	ANGLE 3 MU=-0.8656	ANGLE 4 MU=-0.7550	ANGLE 5 MU=-0.6179	ANGLE 6 MU=-0.4580	ANGLE 7 MU=-0.2816	ANGLE 8 MU=-0.0950
1.22E 01---1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01---1.22E 01	0.0	-0.083E-06	-7.189E-06	-1.215E-06	3.377E-06	6.783E-06	3.933E-06	2.512E-06
8.19E 00---1.00E 01	8.039E-05	7.963E-05	7.744E-05	7.679E-05	8.242E-05	9.765E-05	1.236E-04	7.539E-06
6.36E 00---8.19E 00	2.032E-04	2.031E-04	2.036E-04	2.081E-04	2.205E-04	2.434E-04	2.771E-04	2.221E-05
4.97E 00---6.36E 00	3.334E-04	3.346E-04	3.403E-04	3.503E-04	3.656E-04	3.869E-04	4.152E-04	3.202E-04
4.07E 00---4.97E 00	5.566E-04	5.666E-04	5.753E-04	5.855E-04	5.955E-04	6.056E-04	6.481E-04	5.199E-04
3.01E 00---4.07E 00	5.413E-04	5.426E-04	5.481E-04	5.591E-04	5.773E-04	6.056E-04	6.481E-04	5.027E-04
2.35E 00---3.01E 00	7.975E-04	8.005E-04	8.136E-04	8.397E-04	8.811E-04	9.31E-04	1.033E-03	1.160E-03
1.82E 00---2.35E 00	9.004E-04	9.039E-04	9.186E-04	9.471E-04	9.908E-04	1.054E-03	1.140E-03	1.255E-03
1.11E 00---1.83E 00	1.343E-03	1.361E-03	1.361E-03	1.361E-03	1.361E-03	1.361E-03	1.362E-03	1.362E-03
5.50E-01---1.11E 00	3.250E-03	3.260E-03	3.305E-03	3.388E-03	3.511E-03	3.682E-03	3.904E-03	4.187E-03
1.11E-01---5.50E-01	8.648E-03	8.668E-03	8.753E-03	8.810E-03	9.137E-03	9.439E-03	9.816E-03	1.027E-02
3.35E-02---1.11E-01	8.322E-02	8.339E-02	8.391E-02	8.485E-02	8.619E-02	8.794E-02	8.953E-02	9.533E-02
5.83E-04---3.35E-02	8.113E-02	8.123E-02	8.163E-02	8.235E-02	8.338E-02	8.471E-02	8.630E-02	8.815E-02
1.01E-04---5.83E-04	5.338E-00	5.343E-00	5.368E-00	5.413E-00	5.477E-00	5.539E-00	5.658E-00	5.771E-00
2.90E-05---1.01E-04	2.444E-01	2.455E-01	2.475E-01	2.503E-01	2.539E-01	2.582E-01	2.631E-01	2.686E-01
1.07E-05---2.90E-05	7.442E-01	7.441E-01	7.474E-01	7.533E-01	7.617E-01	7.725E-01	7.855E-01	8.003E-01
3.06E-06---1.07E-05	2.093E-02	2.092E-02	2.102E-02	2.118E-02	2.142E-02	2.171E-02	2.207E-02	2.248E-02
1.12E-06---3.06E-06	5.809E-02	5.814E-02	5.839E-02	5.883E-02	5.946E-02	6.027E-02	6.123E-02	6.359E-02
4.14E-07---1.12E-06	1.314E-03	1.316E-03	1.321E-03	1.331E-03	1.345E-03	1.363E-03	1.384E-03	1.436E-03
0.9 ---4.14E-07	1.931E-03	1.933E-03	1.931E-03	1.931E-03	2.005E-03	2.025E-03	2.079E-03	2.112E-03
ENERGY GROUP (MEV)	ANGLE 10 MU=0.0950	ANGLE 11 MU=0.2816	ANGLE 12 MU=0.4580	ANGLE 13 MU=0.6179	ANGLE 14 MU=0.7550	ANGLE 15 MU=0.8656	ANGLE 16 MU=0.9446	ANGLE 17 SCALAR FLUX MU= 0.994
1.22E 01---1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01---1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00---1.00E 01	4.354E-05	6.694E-05	9.942E-05	1.817E-04	4.198E-04	1.048E-03	2.648E-03	4.278E-03
6.36E 00---8.19E 00	2.439E-04	3.000E-04	3.891E-04	5.571E-04	8.853E-04	1.519E-03	2.567E-03	5.655E-03
4.97E 00---6.36E 00	4.360E-04	5.239E-04	6.578E-04	8.716E-04	1.212E-03	1.746E-03	2.299E-03	3.810E-03
4.07E 00---4.97E 00	5.712E-04	6.709E-04	8.117E-04	1.014E-03	1.299E-03	1.690E-03	2.202E-03	3.815E-03
3.01E 00---4.07E 00	5.097E-04	5.881E-04	6.951E-04	8.382E-04	1.021E-03	1.246E-03	1.501E-03	1.751E-03
2.46E 00---3.01E 00	9.343E-04	1.122E-03	1.389E-03	1.769E-03	2.308E-03	3.069E-03	4.140E-03	5.686E-03
2.35E 00---2.46E 00	1.595E-03	1.955E-03	2.475E-03	3.234E-03	4.352E-03	6.020E-03	8.548E-03	1.261E-02
1.83E 00---2.35E 00	1.610E-03	1.873E-03	2.634E-03	2.634E-03	3.171E-03	4.613E-03	5.494E-03	2.357E-02
1.11E 00---1.83E 00	2.050E-03	2.346E-03	2.635E-03	2.973E-03	3.356E-03	3.766E-03	4.162E-03	4.470E-03
5.50E-01---1.11E 00	4.912E-03	5.493E-03	6.108E-03	6.816E-03	7.599E-03	8.416E-03	9.175E-03	9.730E-03
1.11E-01---5.50E-01	1.122E-02	1.210E-02	1.284E-02	1.360E-02	1.435E-02	1.503E-02	1.557E-02	1.590E-02
3.35E 00---1.11E 00	9.837E-02	1.016E-01	1.048E-01	1.080E-01	1.109E-01	1.134E-01	1.152E-01	1.163E-01
5.83E-04---3.35E-02	9.238E-02	9.465E-02	9.692E-02	9.909E-02	1.010E-01	1.027E-01	1.039E-01	1.154E-01
1.01E-04---5.83E-04	6.033E-00	6.170E-00	6.308E-00	6.439E-00	6.556E-00	6.656E-00	6.772E-00	7.533E-01
2.90E-05---1.01E-04	2.744E-01	2.804E-01	2.863E-01	2.920E-01	3.013E-01	3.062E-01	3.427E-01	3.427E-01
1.07E-05---2.90E-05	8.342E-01	8.701E-01	8.870E-01	9.021E-01	9.147E-01	9.240E-01	9.294E-01	1.042E-01
3.06E-06---1.07E-05	2.341E-02	2.390E-02	2.439E-02	2.485E-02	2.526E-02	2.561E-02	2.601E-02	2.924E-03
1.12E-06---3.06E-06	6.496E-02	6.619E-02	6.876E-02	6.987E-02	7.080E-02	7.148E-02	7.187E-02	8.102E-03
4.14E-07---1.12E-06	1.464E-03	1.494E-03	1.523E-03	1.550E-03	1.575E-03	1.619E-03	1.639E-03	1.829E-04
0.0 ---4.14E-07	2.187E-03	2.228E-03	2.266E-03	2.306E-03	2.339E-03	2.366E-03	2.396E-03	2.735E-04

4 PI R**2 FLUENCE AT 1500.0 METERS

8.187 TO 10.00 MEV NEUTRON SOURCE

(NEUTRONS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU= -1.0000	ANGLE 2 MU= -0.9894	ANGLE 3 MU= -0.9446	ANGLE 4 MU= -0.8656	ANGLE 5 MU= -0.7550	ANGLE 6 MU= -0.6179	ANGLE 7 MU= -0.4580	ANGLE 8 MU= -0.2816	ANGLE 9 MU= -0.0950
1.22E 01----1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01----1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00----1.00E 01	-2.127E-06	-1.671E-06	-2.197E-07	9.402E-07	1.742E-06	1.085E-06	9.514E-07	2.545E-06	6.673E-06
6.36E 00----1.19E 00	2.246E-05	2.222E-05	2.166E-05	2.186E-05	2.380E-05	2.837E-05	3.594E-05	4.612E-05	5.815E-05
4.97E 00----6.36E 00	6.447E-05	6.447E-05	6.483E-05	6.633E-05	7.860E-05	8.860E-05	1.040E-04	1.040E-04	1.212E-04
4.07E 00----4.97E 00	1.116E-04	1.120E-04	1.139E-04	1.174E-04	1.226E-04	1.299E-04	1.396E-04	1.524E-04	1.691E-04
3.01F 00----4.07E 00	1.207E-04	1.207E-04	1.210E-04	1.217E-04	1.233E-04	1.266E-04	1.321E-04	1.410E-04	1.542E-04
2.46E 00----3.01E 00	1.839E-04	1.839E-04	1.859E-04	1.899E-04	1.964E-04	2.067E-04	2.221E-04	2.450E-04	2.784E-04
2.35E 00----2.46E 00	2.734E-04	2.746E-04	2.796E-04	2.895E-04	3.052E-04	3.284E-04	3.619E-04	4.093E-04	4.768E-04
1.83E 00----2.35E 00	3.257E-04	3.250E-04	3.305E-04	3.313E-04	3.577E-04	3.812E-04	4.134E-04	4.568E-04	5.141E-04
1.41F 00----1.83E 00	4.918E-04	4.934E-04	5.003E-04	5.134E-04	5.332E-04	5.60E-04	5.975E-04	6.448E-04	7.03E-04
5.50E-01----1.21E 00	1.237E-03	1.237E-03	1.255E-03	1.257E-03	1.335E-03	1.408E-03	1.488E-03	1.591E-03	1.731E-03
1.11E-01----5.50E-01	3.421E-03	3.421E-03	3.429E-03	3.464E-03	3.527E-03	3.619E-03	3.741E-03	3.894E-03	4.298E-03
3.35E-02----1.11E-01	3.406E-02	3.411E-02	3.433E-02	3.473E-02	3.529E-02	3.602E-02	3.691E-02	3.796E-02	3.913E-02
5.83E-04----3.35E-02	3.350E-02	3.372E-02	3.402E-02	3.446E-02	3.502E-02	3.562E-02	3.619E-02	3.698E-02	3.735E-02
1.01E-04----5.83E-04	2.222E-00	2.224E-00	2.235E-00	2.254E-00	2.281E-00	2.317E-00	2.359E-00	2.407E-00	2.461E-00
2.90E-05----1.01E-04	1.022E-01	1.023E-01	1.027E-01	1.036E-01	1.048E-01	1.063E-01	1.082E-01	1.103E-01	1.127E-01
1.07E-05----2.90E-05	3.123E-01	3.126E-01	3.140E-01	3.166E-01	3.202E-01	3.249E-01	3.305E-01	3.370E-01	3.441E-01
3.06E-06----1.07E-05	8.827E-01	8.836E-01	8.875E-01	8.947E-01	9.048E-01	9.177E-01	9.332E-01	9.511E-01	9.707E-01
1.12E-06----3.06E-06	2.461E-02	2.464E-02	2.475E-02	2.494E-02	2.522E-02	2.557E-02	2.599E-02	2.648E-02	2.701E-02
4.14E-07----1.12E-06	5.589E-02	5.594E-02	5.618E-02	5.662E-02	5.723E-02	5.802E-02	5.896E-02	6.004E-02	6.123E-02
0.0	8.458E-02	8.467E-02	8.502E-02	8.565E-02	8.652E-02	8.761E-02	8.889E-02	9.036E-02	9.197E-02
ENERGY GROUP (MEV)	ANGLE 10 MU= 0.0950	ANGLE 11 MU= 0.2816	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9894	SCALAR FLUX
1.22E 01----1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01----1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00----1.00E 01	1.256E-05	1.931E-05	2.957E-05	5.552E-05	1.274E-04	3.095E-04	7.520E-04	2.574E-03	1.153E-03
6.36E 00----8.19E 00	7.200E-05	9.015E-05	1.203E-04	1.766E-04	2.867E-04	4.962E-04	8.914E-04	1.729E-03	1.878E-03
4.97E 00----6.36E 00	1.427E-04	1.727E-04	2.188E-04	2.928E-04	4.104E-04	5.922E-04	8.637E-04	1.253E-03	2.667E-03
4.07E 00----4.97E 00	1.938E-04	2.279E-04	2.769E-04	3.470E-04	4.452E-04	5.770E-04	7.442E-04	9.264E-04	3.133E-03
3.01E 00----4.07E 00	2.736E-04	2.746E-04	2.860E-04	2.206E-04	2.206E-04	2.693E-04	4.998E-04	2.616E-03	2.616E-03
2.46E 00----3.01E 00	3.265E-04	3.956E-04	6.943E-04	6.351E-04	8.349E-04	1.115E-03	1.499E-03	2.004E-03	5.628E-03
2.35E 00----2.46E 00	5.724E-04	7.096E-04	9.095E-04	1.205E-03	1.648E-03	2.316E-03	3.325E-03	4.860E-03	1.070E-02
2.18E 00----2.35E 00	5.83E-04	6.819E 00	7.778E-04	8.673E-04	9.741E-04	1.169E-03	1.406E-03	1.674E-03	8.611E-03
1.11E 00----2.18E 00	1.83E 00	1.905E-03	2.108E-03	2.347E-03	2.920E-03	3.237E-03	3.818E-03	4.613E-03	6.040E-02
5.50E-01----1.11E 00	5.50E-01	9.917E-01	1.013E 02	1.035E 02	1.055E 02	1.073E 02	1.098E 02	1.136E 02	2.518E-02
3.11E-01----5.50E-01	4.543E-03	4.818E-03	5.115E-03	5.421E-03	5.720E-03	5.991E-03	6.206E-03	6.336E-03	5.737E-02
3.11E-01----1.11E-01	4.00E-02	4.175E-02	4.311E-02	4.444E-02	4.566E-02	4.669E-02	4.747E-02	5.044E-02	5.044E-02
5.83E-04----3.35E-02	3.028E-02	3.924E-02	4.020E-02	4.112E-02	4.195E-02	4.264E-02	4.315E-02	4.345E-02	4.780E-02
1.01E-04----5.83E-04	2.519E-02	2.578E-02	2.637E-02	2.693E-02	2.744E-02	2.786E-02	2.817E-02	2.835E-02	3.145E-01
2.90E-05----1.01E-04	1.152E-01	1.204E-01	1.248E-01	1.250E-01	1.250E-01	1.258E-01	1.281E-01	1.289E-01	1.439E-02
1.07E-05----2.90E-05	3.517E-03	3.672E-03	3.812E-03	3.746E-03	3.907E-03	3.966E-03	4.390E-03	4.392E-03	4.392E-03
3.06E-06----1.07E-05	9.917E-01	1.013E 02	1.035E 02	1.055E 02	1.073E 02	1.088E 02	1.099E 02	1.105E 02	1.239E 03
1.12E-06----3.06E-06	2.558E-02	2.817E-02	2.875E-02	2.930E-02	2.979E-02	3.020E-02	3.067E-02	3.445E-03	3.445E-03
4.14E-07----1.12E-06	6.250E-02	6.509E-02	6.630E-02	6.739E-02	6.829E-02	6.934E-02	6.995E-02	7.807E-03	7.807E-03
0.0	9.371E-07	9.550E-02	9.729E-02	9.897E-02	1.016E-03	1.025E-03	1.030E-03	1.030E-03	1.171E-04

4 PI R**2 FLUENCE AT 1800.0 METERS

8.1817 TO 10.00 MEV NEUTRON SOURCE

(NEUTRONS/MEV/STERADIANT/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=-1.0000	ANGLE 2 MU=-0.9894	ANGLE 3 MU=-0.9446	ANGLE 4 MU=-0.8656	ANGLE 5 MU=-0.7550	ANGLE 6 MU=-0.6179	ANGLE 7 MU=-0.4580	ANGLE 8 MU=-0.2816	ANGLE 9 MU=-0.0950
1.22E 01---1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01---1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00---1.00E 01	-4.939E-07	-3.853E-07	-3.629E-08	2.516E-07	4.415E-07	2.966E-07	3.158E-07	7.816E-07	1.899E-06
6.36E 00---8.19E 00	5.952E-06	5.915E-06	6.055E-06	6.567E-06	7.988E-06	1.013E-05	1.303E-05	1.652E-05	1.652E-05
4.97E 00---6.36E 00	1.964E-05	1.986E-05	2.040E-05	2.182E-05	2.780E-05	3.226E-05	3.767E-05	3.767E-05	3.767E-05
4.07E 00---4.97E 00	3.536E-05	3.609E-05	3.722E-05	3.890E-05	4.124E-05	4.434E-05	4.846E-05	5.408E-05	5.408E-05
3.01E 00---4.07E 00	8.489E-05	3.858E-05	3.881E-05	3.935E-05	4.039E-05	4.218E-05	4.505E-05	4.937E-05	4.937E-05
2.46E 00---3.01E 00	5.858E-05	5.939E-05	6.073E-05	6.292E-05	6.636E-05	7.155E-05	7.926E-05	9.054E-05	9.054E-05
2.35E 00---2.46E 00	8.811E-05	9.029E-05	9.375E-05	9.916E-05	1.072E-04	1.187E-04	1.351E-04	1.583E-04	1.583E-04
1.83E 00---2.35E 00	1.090E-04	1.109E-04	1.146E-04	1.203E-04	1.285E-04	1.396E-04	1.546E-04	1.745E-04	1.745E-04
1.11E 00---1.83E 00	1.681E-04	1.681E-04	1.710E-04	1.756E-04	1.824E-04	1.920E-04	2.047E-04	2.211E-04	2.417E-04
5.50E-01---1.11E 00	4.321E-04	4.397E-04	4.513E-04	4.685E-04	4.922E-04	5.628E-04	6.120E-04	6.628E-04	6.628E-04
1.11E-01---5.50E-01	1.235E-03	1.251E-03	1.274E-03	1.308E-03	1.353E-03	1.409E-03	1.477E-03	1.556E-03	1.556E-03
3.35E-02---1.11E-01	1.259E-02	1.261E-02	1.269E-02	1.284E-02	1.305E-02	1.333E-02	1.366E-02	1.406E-02	1.450E-02
5.83E-04---3.35E-02	1.246E-02	1.248E-02	1.256E-02	1.266E-02	1.283E-02	1.304E-02	1.322E-02	1.359E-02	1.392E-02
1.01E-04---5.83E-04	8.359E-01	8.432E-01	8.536E-01	8.670E-01	8.831E-01	9.016E-01	9.221E-01	9.422E-01	9.622E-01
2.90E-05---1.01E-04	3.834E-00	3.838E-00	3.856E-00	3.888E-00	3.935E-00	3.994E-00	4.056E-00	4.146E-00	4.237E-00
1.07E-05---2.90E-05	1.175E-01	1.176E-01	1.182E-01	1.192E-01	1.206E-01	1.224E-01	1.245E-01	1.270E-01	1.297E-01
3.06E-06---1.07E-05	3.336E-01	3.351E-01	3.378E-01	3.417E-01	3.467E-01	3.517E-01	3.672E-01	3.756E-01	3.874E-01
1.12E-06---3.06E-06	9.315E-01	9.325E-01	9.366E-01	9.442E-01	9.548E-01	9.685E-01	9.848E-01	1.004E-01	1.024E-01
4.14E-07---1.12E-06	2.122E-02	2.122E-02	2.132E-02	2.148E-02	2.172E-02	2.203E-02	2.239E-02	2.231E-02	2.327E-02
0.0	---4.14E-07	3.217E-02	3.220E-02	3.234E-02	3.259E-02	3.292E-02	3.335E-02	3.442E-02	3.504E-02
ENERGY GROUP (MEV)	ANGLE 10 MU= 0.0950	ANGLE 11 MU= 0.4580	ANGLE 12 MU= 0.2816	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 3.8656	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9894	SCALAR FLUX
1.22E 01---1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01---1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00---1.00E 01	3.479E-06	5.372E-06	8.444E-06	1.617E-05	3.679E-05	8.737E-05	2.054E-04	6.167E-04	3.053E-04
6.36E 00---8.19E 00	2.068E-05	3.625E-05	5.408E-05	8.921E-05	1.559E-04	2.742E-04	5.666E-04	1.09E-04	5.666E-04
4.97E 00---6.36E 00	4.452E-05	5.419E-05	6.918E-05	9.324E-05	1.313E-04	1.896E-04	3.405E-04	5.874E-04	8.405E-04
4.07E 00---4.97E 00	6.188E-05	7.298E-05	8.893E-05	1.117E-04	1.433E-04	1.853E-04	2.365E-04	2.885E-04	1.000E-03
3.01E 00---4.07E 00	5.562E-05	6.436E-05	7.620E-05	9.171E-05	1.111E-04	1.337E-04	1.574E-04	1.768E-04	8.348E-04
2.46E 00---3.01E 00	1.640E-04	2.123E-04	2.123E-04	2.123E-04	2.807E-04	3.763E-04	5.074E-04	6.622E-04	1.862E-03
2.35E 00---2.46E 00	3.097E-04	4.154E-04	5.756E-04	8.207E-04	8.207E-04	8.207E-04	1.190E-03	1.733E-03	3.679E-03
1.83E 00---2.35E 00	2.066E-04	2.344E-04	2.779E-04	3.322E-04	4.004E-04	4.803E-04	5.673E-04	6.464E-04	2.928E-03
1.11E 00---1.83E 00	2.671E-04	3.773E-04	4.242E-04	4.773E-04	5.242E-04	5.726E-04	5.164E-04	5.468E-04	3.563E-03
5.50E-01---1.11E 00	6.723E-04	7.448E-04	8.300E-04	9.271E-04	1.033E-03	1.140E-03	1.236E-03	1.301E-03	8.879E-03
1.11E-01---5.50E-01	1.647E-03	1.748E-03	1.856E-03	1.968E-03	2.077E-03	2.175E-03	2.253E-03	2.300E-03	2.079E-02
3.35E-02---1.11E-01	1.11E-01	1.498E-02	1.599E-02	1.649E-02	1.734E-02	1.763E-02	1.780E-02	1.871E-01	1.871E-01
2.35E 00---2.46E 00	1.914E-04	2.393E-04	4.154E-04	5.756E-04	8.207E-04	1.190E-03	1.733E-03	3.679E-03	3.679E-03
1.83E 00---2.35E 00	2.066E-04	2.344E-04	2.779E-04	3.322E-04	4.004E-04	4.803E-04	5.673E-04	6.464E-04	2.928E-03
1.11E 00---1.83E 00	2.671E-04	3.773E-04	4.242E-04	4.773E-04	5.242E-04	5.726E-04	5.164E-04	5.468E-04	3.563E-03
5.50E-01---1.11E 00	6.723E-04	7.448E-04	8.300E-04	9.271E-04	1.033E-03	1.140E-03	1.236E-03	1.301E-03	8.879E-03
1.07E-05---2.90E-06	1.07E-05	1.07E-05							
3.06E-06---3.06E-06	9.315E-01	9.325E-01	9.366E-01	9.442E-01	9.548E-01	9.685E-01	9.848E-01	1.004E-01	1.024E-01
4.14E-07---1.12E-06	2.122E-02	2.122E-02	2.132E-02	2.148E-02	2.172E-02	2.203E-02	2.239E-02	2.231E-02	2.327E-02
0.0	---4.14E-07	3.217E-02	3.220E-02	3.234E-02	3.259E-02	3.292E-02	3.335E-02	3.442E-02	3.504E-02

4 PI R**2 FLUENCE AT 75.0 METERS

8.187 TO 10.00 MEV NEUTRON SOURCE

(GAMMAS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
8.00E 00---1.00E 01	MU=-1.0000	MU=-0.9894	MU=-0.9446	MU=-0.8656	MU=-0.7550	MU=-0.6179	MU=-0.4580	MU=-0.2816	MU=0.0950
6.50E 00---8.00E 00	2.496E-05	2.548E-05	2.651E-05	2.046E-04	2.160E-04	2.330E-04	2.549E-05	3.678E-05	4.194E-05
5.00E 00---6.50E 00	1.922E-04	1.964E-04	1.807E-03	1.881E-03	1.990E-03	2.136E-03	2.330E-03	2.545E-04	3.245E-04
4.00E 00---5.00E 00	1.758E-03	1.768E-03	1.807E-03	1.881E-03	1.990E-03	2.136E-03	2.330E-03	2.540E-03	3.240E-03
3.00E 00---4.00E 00	8.412E-04	8.488E-04	8.768E-04	9.266E-04	9.918E-04	1.071E-03	1.170E-03	1.300E-03	1.477E-03
2.50E 00---3.00E 00	8.364E-04	8.434E-04	8.694E-04	9.157E-04	9.765E-04	1.051E-03	1.145E-03	1.260E-03	1.435E-03
2.00E 00---2.50E 00	1.582E-03	1.592E-03	1.631E-03	1.703E-03	1.804E-03	1.938E-03	2.114E-03	2.349E-03	2.668E-03
1.66E 00---2.00E 00	1.996E-03	2.007E-03	2.052E-03	2.136E-03	2.250E-03	2.417E-03	2.632E-03	2.919E-03	3.308E-03
1.33E 00---1.66E 00	2.820E-03	2.828E-03	2.861E-03	2.928E-03	2.981E-03	2.972E-03	2.972E-03	2.644E-03	3.006E-03
1.00E 00---1.33E 00	2.271E-03	2.277E-03	2.306E-03	2.369E-03	2.479E-03	2.649E-03	2.892E-03	3.225E-03	3.671E-03
8.00E 00---1.00E 00	7.033E-04	6.964E-04	6.757E-04	6.549E-04	6.589E-04	7.042E-04	7.929E-04	9.191E-04	1.281E-03
6.00E 00---8.00E 01	8.233E-04	7.505E-04	7.537E-04	7.711E-04	7.545E-04	8.155E-04	8.948E-04	1.010E-03	1.370E-03
4.00E-01---6.00E-01	8.444E-04	9.233E-04	9.206E-04	1.046E-03	1.189E-03	1.335E-03	1.695E-03	1.705E-03	2.018E-03
3.00E-01---4.00E-01	3.988E-03	4.010E-03	4.093E-03	4.252E-03	4.444E-03	4.812E-03	5.278E-03	5.928E-03	6.800E-03
2.00E-01---3.00E-01	5.221E-03	5.239E-03	5.332E-03	5.575E-03	6.034E-03	6.745E-03	7.675E-03	8.740E-03	9.339E-03
1.00E-01---2.00E-01	1.708E-02	1.712E-02	1.727E-02	1.753E-02	1.782E-02	1.810E-02	1.839E-02	1.872E-02	1.918E-02
5.00E-02---1.00E-01	3.292E-02	3.297E-02	3.314E-02	3.346E-02	3.392E-02	3.455E-02	3.533E-02	3.630E-02	3.746E-02
2.00E-02---5.00E-02	6.586E-02	6.608E-02	6.650E-02	6.711E-02	6.791E-02	6.888E-02	7.003E-02	7.134E-02	7.302E-02
	1.791E-02	1.794E-02	1.799E-02	1.807E-02	1.818E-02	1.830E-02	1.845E-02	1.861E-02	1.881E-02
ENERGY GROUP (MEV)	ANGLE 11	ANGLE 12	ANGLE 13	ANGLE 14	ANGLE 15	ANGLE 16	ANGLE 17	SCALAR FLUX	
8.00E 00---1.00E 01	MU= 0.0950	MU= 0.2816	MU= 0.4580	MU= 0.6179	MU= 0.7550	MU= 0.8656	MU= 0.9446	MU= 0.9894	
6.50E 00---8.00E 00	5.636E-05								
5.00E 00---6.50E 00	3.919E-04	4.361E-04	8.480E-04	6.651E-04	8.777E-04	1.469E-03	2.493E-03	3.890E-03	7.302E-03
4.00E 00---5.00E 00	3.527E-03	4.777E-03	5.738E-03	5.930E-03	7.787E-03	1.319E-02	2.135E-02	3.241E-02	6.386E-02
3.00E 00---4.00E 00	1.773E-03	2.384E-03	2.859E-03	2.859E-03	3.924E-03	6.574E-03	1.055E-02	1.588E-02	3.105E-02
2.50E 00---3.00E 00	1.601E-03	2.866E-03	2.359E-03	2.775E-03	3.730E-03	6.000E-03	9.3C3E-03	1.355E-02	2.992E-02
2.00E 00---2.50E 00	3.199E-03	4.319E-03	5.180E-03	5.372E-03	7.063E-03	1.188E-02	1.907E-02	2.868E-02	5.758E-02
1.66E 00---2.00E 00	3.679E-03	6.955E-03	5.485E-03	6.431E-03	8.689E-03	1.434E-02	2.267E-02	3.368E-02	7.077E-02
1.33E 00---1.66E 00	3.604E-03	4.842E-03	5.818E-03	6.137E-03	8.128E-03	1.346E-02	2.125E-02	3.141E-02	6.483E-02
1.00E 00---1.33E 00	4.401E-03	5.908E-03	7.110E-03	7.537E-03	9.979E-03	1.638E-02	2.562E-02	3.754E-02	7.897E-02
8.00E 00---1.00E 00	1.891E-03	1.471E-03	1.884E-03	2.878E-03	4.062E-03	5.169E-03	6.464E-03	8.905E-03	2.10E-02
6.00E 00---8.00E 01	2.05E-02	2.158E-03	2.706E-03	3.822E-03	4.716E-03	6.322E-03	6.952E-03	8.280E-03	2.853E-02
4.00E 00---6.00E 01	7.931E-03	9.333E-03	1.365E-02	1.195E-02	1.437E-02	1.727E-02	1.832E-02	1.921E-02	3.903E-02
3.00E 00---4.00E 01	1.093E-02	1.205E-02	2.199E-02	2.310E-02	2.551E-02	3.047E-02	3.401E-02	4.124E-02	5.25E-01
2.00E 00---3.00E 01	1.987E-02	2.092E-02	4.040E-02	4.216E-02	4.403E-02	4.608E-02	5.021E-02	5.122E-02	4.935E-01
1.00E 00---2.00E 01	3.882E-02	7.279E-02	7.436E-02	7.599E-02	7.758E-02	7.913E-02	8.166E-02	8.204E-02	9.134E-01
5.00E 00---6.00E 01	1.00E-01	1.00E-01	1.897E-02	1.878E-02	1.916E-02	1.933E-02	1.950E-02	1.974E-02	2.356E-01

4 PI F**2 FLUENCE AT 150.0 METERS

8.187 TO 10.00 MEV NEUTRON SOURCE

(GAMMAS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=-1.0000	ANGLE 2 MU=0.9894	ANGLE 3 MU=-0.9646	ANGLE 4 MU=-0.8656	ANGLE 5 MU=-0.7550	ANGLE 6 MU=-0.6179	ANGLE 7 MU=-0.4580	ANGLE 8 MU=-0.2816	ANGLE 9 MU=0.0950
8.00E 00---1.00E 01	2.752E-05	2.772E-05	2.848E-05	2.957E-05	3.189E-05	3.458E-05	3.801E-05	4.278E-05	4.941E-05
6.50E 00---8.00E 00	2.062E-04	2.078E-04	2.141E-04	2.257E-04	2.415E-04	2.618E-04	2.885E-04	3.249E-04	3.758E-04
5.00E 00---6.50E 00	2.024E-03	2.041E-03	2.105E-03	2.221E-03	2.374E-03	2.568E-03	2.817E-03	3.154E-03	3.625E-03
4.00E 00---5.00E 00	9.320E-04	9.500E-04	1.014E-03	1.118E-03	1.232E-03	1.344E-03	1.471E-03	1.638E-03	1.883E-03
3.00E 00---4.00E 00	1.020E-03	1.037E-03	1.098E-03	1.137E-03	1.197E-03	1.242E-03	1.422E-03	1.553E-03	1.727E-03
2.50E 00---3.00E 00	1.816E-03	1.835E-03	1.905E-03	1.926E-03	2.177E-03	2.255E-03	2.580E-03	2.887E-03	3.321E-03
2.00E 00---2.50E 00	2.417E-03	2.436E-03	2.509E-03	2.640E-03	2.812E-03	3.039E-03	3.316E-03	3.709E-03	4.257E-03
1.66E 00---2.00E 00	2.209E-03	2.218E-03	2.257E-03	2.355E-03	2.462E-03	2.652E-03	2.921E-03	3.295E-03	3.817E-03
1.33E 00---1.66E 00	2.828E-03	2.827E-03	2.833E-03	2.874E-03	2.988E-03	3.211E-03	3.555E-03	4.035E-03	4.672E-03
1.00E 00---1.33E 00	1.192E-03	1.192E-03	1.198E-03	1.204E-03	9.865E-04	1.082E-03	1.291E-03	1.573E-03	1.913E-03
8.00E -01---1.00E 00	1.213E-03	1.217E-03	1.225E-03	1.235E-03	1.311E-03	1.488E-03	1.730E-03	2.056E-03	2.505E-03
6.00E -01---8.00E -01	1.191E-03	1.191E-03	1.404E-03	1.733E-03	2.062E-03	2.344E-03	2.627E-03	3.052E-03	3.813E-03
4.00E -01---6.00E -01	6.999E-03	7.045E-03	7.224E-03	7.556E-03	8.048E-03	8.784E-03	9.916E-03	1.161E-02	1.398E-02
3.00E -01---4.00E -01	9.614E-03	9.656E-03	9.899E-03	1.059E-02	1.196E-02	1.411E-02	1.691E-02	2.003E-02	2.310E-02
2.00E -01---3.00E -01	3.796E-02	3.786E-02	3.844E-02	3.946E-02	3.993E-02	4.063E-02	4.127E-02	4.201E-02	4.310E-02
1.00E -01---2.00E -01	8.698E-02	8.712E-02	8.768E-02	8.877E-02	9.037E-02	9.527E-02	9.868E-02	1.028E-01	1.028E-01
5.00E -02---1.00E -01	1.999E-01	2.002E-01	2.011E-01	2.030E-01	2.057E-01	2.095E-01	2.137E-01	2.190E-01	2.251E-01
2.00E -02---5.00E -02	5.705E-02	5.722E-02	5.747E-02	5.784E-02	5.832E-02	5.890E-02	5.959E-02	6.038E-02	6.098E-02
ENERGY GROUP (MEV)	ANGLE 11 MU= 0.2816	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9834	SCALAR FLUX	
8.00E 30---1.00E 01	4.702E-05	1.202E-04	1.075E-04	1.817E-04	3.193E-04	6.971E-04	1.165E-04	1.322E-03	
6.50E 00---8.00E 00	3.565E-04	6.154E-04	6.452E-04	1.033E-03	2.354E-03	3.822E-03	8.891E-03	1.013E-02	
5.00E 00---6.50E 00	3.485E-03	5.769E-03	5.926E-03	8.071E-03	1.017E-02	2.133E-02	3.397E-02	5.488E-02	9.162E-02
4.00E 00---5.00E 00	1.837E-03	3.154E-03	5.474E-03	5.407E-03	1.105E-02	1.770E-02	3.776E-02	4.747E-02	
3.00E 00---4.00E 00	2.476E-03	2.757E-03	3.911E-03	4.409E-03	6.934E-03	1.009E-02	1.666E-02	3.362E-02	4.781E-02
2.50E 00---3.00E 00	5.297E-03	5.391E-03	9.757E-03	9.452E-03	9.452E-02	3.058E-02	6.429E-02	8.294E-02	
2.00E 00---2.50E 00	6.037E-03	8.507E-03	8.507E-03	1.534E-03	2.233E-02	3.671E-02	7.572E-02	1.072E-01	
1.66E 00---2.00E 00	3.725E-03	6.106E-03	6.348E-03	1.138E-02	1.166E-02	2.299E-02	3.551E-02	7.028E-02	9.60E-02
1.33E 00---1.66E 00	4.566E-03	7.486E-03	7.838E-03	1.406E-02	1.456E-02	2.809E-02	4.261E-02	8.199E-02	1.170E-01
1.00E 00---1.33E 00	2.007E-03	4.846E-03	5.862E-03	1.021E-02	1.388E-02	2.025E-02	2.783E-02	5.442E-02	
8.00E 00---1.00E 00	3.486E-03	6.100E-03	9.008E-03	1.199E-02	1.677E-02	2.123E-02	2.645E-02	6.171E-02	
6.00E 00---8.00E 00	5.813E-03	6.117E-03	1.043E-02	1.132E-02	1.672E-02	1.936E-02	2.446E-02	2.909E-02	9.156E-02
4.00E 00---6.00E 00	1.754E-02	2.036E-02	2.447E-02	3.231E-02	3.335E-02	4.056E-02	4.831E-02	5.948E-02	8.498E-01
3.00E 00---4.00E 00	2.635E-02	2.840E-02	3.130E-02	3.517E-02	3.889E-02	4.522E-02	5.147E-02	5.885E-02	3.209E-01
2.00E 00---3.00E 00	4.549E-02	4.701E-02	5.045E-02	5.566E-02	6.001E-02	6.818E-02	7.620E-02	8.687E-02	6.02E-01
1.00E 00---2.00E 00	1.079E-01	1.136E-01	1.203E-01	1.281E-01	1.363E-01	1.453E-01	1.540E-01	1.611E-01	1.385E-00
5.00E 00---6.00E 00	2.322E-01	2.398E-01	2.481E-01	2.568E-01	2.553E-01	2.734E-01	2.801E-01	2.845E-01	2.924E-00
2.00E 00---5.00E 00	6.125E-02	6.217E-02	6.313E-02	6.409E-02	6.557E-02	6.649E-02	6.638E-02	6.675E-02	7.686E-01

4 PI R**2 FLUENCE AT 200.0 METERS

8.187 TO 10.00 MEV NEUTRON SOURCE

(GAMMAS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=-1.0000	ANGLE 2 MU=-0.9894	ANGLE 3 MU=-0.9646	ANGLE 4 MU=-0.8656	ANGLE 5 MU=-0.7550	ANGLE 6 MU=-0.6179	ANGLE 7 MU=-0.4580	ANGLE 8 MU=-0.2816	ANGLE 9 MU=-0.0950
8.00E 00---1.00E 01	2.648E-05	2.671E-05	2.758E-05	3.122E-05	3.387E-05	3.733E-05	4.207E-05	4.877E-05	6.877E-05
6.50E 00---8.00E 00	1.933E-04	1.952E-04	2.025E-04	2.154E-04	2.319E-04	2.522E-04	2.782E-04	3.138E-04	3.647E-04
5.00E 00---6.50E 00	1.963E-03	1.984E-03	2.060E-03	2.192E-03	2.359E-03	2.557E-03	2.806E-03	3.146E-03	3.631E-03
4.00E 00---5.00E 00	8.694E-04	8.943E-04	9.818E-04	1.178E-03	1.253E-03	1.491E-03	1.654E-03	1.910E-03	2.077E-03
3.00E 00---4.00E 00	9.977E-04	1.021E-03	1.105E-03	1.235E-03	1.369E-03	1.592E-03	1.622E-03	1.801E-03	1.950E-03
2.50E 00---3.00E 00	1.751E-03	1.775E-03	1.863E-03	2.008E-03	2.174E-03	2.357E-03	2.579E-03	2.890E-03	3.343E-03
2.00E 00---2.50E 00	2.426E-03	2.443E-03	2.512E-03	2.659E-03	2.843E-03	3.066E-03	3.359E-03	3.738E-03	4.351E-03
1.66E 00---2.00E 00	2.214E-03	2.221E-03	2.254E-03	2.326E-03	2.448E-03	2.641E-03	2.928E-03	3.233E-03	3.887E-03
1.32E 00---1.66E 00	2.883E-03	2.873E-03	2.851E-03	2.856E-03	2.951E-03	3.182E-03	3.564E-03	4.091E-03	4.775E-03
1.00F 00---1.33E 00	1.406E-03	1.365E-03	1.233E-03	1.080E-03	1.037E-03	1.167E-03	1.449E-03	1.813E-03	2.228E-03
8.00E-01---1.00E 00	1.339E-03	1.331E-03	1.316E-03	1.327E-03	1.448E-03	1.668E-03	1.978E-03	2.375E-03	2.930E-03
6.00E-01---8.00E-01	1.122E-03	1.207E-03	1.510E-03	1.662E-03	2.383E-03	2.706E-03	3.008E-03	3.515E-03	4.521E-03
4.00E-01---6.00E-01	8.069E-03	8.126E-03	8.346E-03	8.751E-03	9.352E-03	1.029E-02	1.178E-02	1.409E-02	1.736E-02
3.00E-01---4.00E-01	1.134E-02	1.172E-02	1.268E-02	1.463E-02	1.643E-02	1.770E-02	2.167E-02	2.602E-02	3.019E-02
2.00E-01---3.00E-01	4.834E-02	4.852E-02	4.916E-02	5.016E-02	5.118E-02	5.106E-02	5.283E-02	5.374E-02	5.515E-02
1.00E-01---2.00E-01	1.185E-01	1.187E-01	1.195E-01	1.212E-01	1.235E-01	1.267E-01	1.308E-01	1.360E-01	1.422E-01
5.00E-02---1.00E-01	2.907E-01	2.926E-01	2.957E-01	3.002E-01	3.134E-01	3.222E-01	3.326E-01	3.490E-01	3.900E-02
2.00E-02---5.00E-02	8.475E-02	8.481F-02	8.503E-02	8.545E-02	8.606E-02	8.686E-02	8.783E-02	8.900E-02	9.032E-02
ENERGY GROUP (MEV)	ANGLE 10 MU= 0.0950	ANGLE 11 MU= 0.2816	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7520	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9894	SCALAR FLUX
8.00E 00---1.00E 01	6.419E-05	6.682E-05	9.859E-05	1.228E-04	1.927E-04	3.129E-04	6.083E-04	1.450E-03	1.432E-03
6.50E 00---8.00E 00	4.834E-04	5.026E-04	7.434E-04	9.302E-04	1.464E-03	2.419E-03	4.557E-03	1.096E-02	1.081E-02
5.00E 00---6.50E 00	4.726E-03	4.951E-03	7.129E-03	8.834E-03	1.348E-03	2.066E-02	3.960E-02	9.325E-02	9.935E-02
4.00E 00---5.00E 00	2.498E-03	2.659E-03	3.793E-03	4.696E-03	7.152E-03	1.330E-02	2.119E-02	4.789E-02	5.251E-02
3.00E 00---4.00E 00	2.267F-03	2.339E-03	3.680E-03	5.256E-03	7.203E-03	1.183E-02	2.065E-02	4.301E-02	5.348E-02
2.50E 00---3.00E 00	4.361E-03	6.554E-03	8.62E-03	1.248E-02	1.957E-02	3.582E-02	7.872E-02	9.018E-02	1.128E-01
2.00E 00---2.50E 00	4.642E-03	6.795E-03	7.618E-03	1.115E-02	1.531E-02	2.521E-02	4.362E-02	9.152E-02	1.061E-01
1.66E 00---2.00E 00	5.071E-03	5.369E-03	7.765E-03	9.962E-03	1.541E-02	2.411E-02	4.232E-02	8.585E-02	1.061E-01
1.33E 00---1.66E 00	6.212E-03	6.600E-03	9.630E-03	1.252E-02	1.930E-02	2.930E-02	5.052E-02	9.868E-02	1.292E-01
1.00E 00---1.33E 00	2.976E-03	3.564E-03	5.616E-03	8.260E-03	1.299E-02	1.925E-02	2.823E-02	3.992E-02	7.045E-02
8.00E-01---1.00E 00	3.679E-03	5.527E-03	7.830E-03	1.179E-02	1.660E-02	2.280E-02	2.971E-02	3.738E-02	6.731E-02
6.00E-01---8.00E-01	5.883E-03	9.302E-03	1.219E-02	1.705E-02	2.142E-02	2.723E-02	3.313E-02	4.042E-02	1.186E-01
4.00E-01---6.00E-01	2.125E-02	2.668E-02	3.154E-02	3.761E-02	4.375E-02	5.146E-02	6.318E-02	7.852E-02	1.045E-01
3.00E-01---4.00E-01	3.364E-02	3.748E-02	4.076E-02	4.565E-02	5.146E-02	5.836E-02	6.533E-02	7.833E-02	1.162E-01
2.00E-01---3.00E-01	5.699E-02	6.112E-02	6.514E-02	7.158E-02	7.863E-02	8.816E-02	9.37E-02	1.120E-01	1.769E-01
1.00E-01---2.00E-01	1.497E-01	1.586E-01	1.688E-01	1.805E-01	1.932E-01	2.08F-01	2.203E-01	2.314E-01	2.90E-01
5.00E-02---1.00E-01	3.444E-01	3.577E-01	3.719E-01	3.869E-01	4.019E-01	4.161E-01	4.281E-01	4.360E-01	4.347E-01
2.00E-02---5.00E-02	9.179E-02	9.328E-02	9.501E-02	9.665F-02	9.820E-02	9.956E-02	1.006E-01	1.013E-01	1.152E-01

4 PI R**2 FLUENCE AT 300.0 METERS

8.167 TO 10.00 MEV NEUTRON SOURCE

(GAMMAS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
8.00E 00---1.00E 01	2.239E-05	2.266E-05	0.944E-05	-0.885E-05	-0.6179	-0.4580	-0.2816	-0.0950	
6.50E 00---8.00E 00	1.525E-04	1.548E-04	1.632E-04	1.771E-04	1.911E-04	2.105E-04	2.316E-04	2.613E-04	3.059E-04
5.00E 00---6.50E 00	1.637E-03	1.662E-03	1.754E-03	1.902E-03	2.069E-03	2.247E-03	2.459E-03	2.757E-03	3.202E-03
4.00E 00---5.00E 00	6.512E-04	6.866E-04	8.098E-04	9.886E-04	1.165E-03	1.251E-03	1.332E-03	1.457E-03	1.698E-03
3.00E 00---4.00E 00	8.145E-04	8.488E-04	9.682E-04	1.142E-03	1.298E-03	1.411E-03	1.510E-03	1.663E-03	1.938E-03
2.50E 00---3.00E 00	1.432E-03	1.463E-03	1.576E-03	1.747E-03	1.918E-03	2.077E-03	2.255E-03	2.531E-03	2.960E-03
2.00E 00---2.50E 00	2.087E-03	2.113E-03	2.208E-03	2.361E-03	2.536E-03	2.735E-03	2.997E-03	3.254E-03	3.524E-03
1.66E 00---2.00E 00	1.971E-03	1.972E-03	1.984E-03	2.023E-03	2.116E-03	2.292E-03	2.577E-03	2.980E-03	3.260E-03
1.33E 00---1.66E 00	2.648E-03	2.621E-03	2.539E-03	2.465E-03	2.510E-03	2.736E-03	3.145E-03	3.694E-03	4.360E-03
1.00E 00---1.33E 00	1.509E-03	1.445E-03	1.240E-03	1.004E-03	9.344E-04	1.121E-03	1.499E-03	1.946E-03	2.404E-03
8.00E-01---1.00E 00	1.306E-03	1.255E-03	1.275E-03	1.302E-03	1.446E-03	1.646E-03	2.080E-03	2.525E-03	3.174E-03
6.00E-01---8.00E-01	8.783E-04	1.001E-03	1.431E-03	2.044E-03	2.554E-03	2.871E-03	3.137E-03	3.718E-03	5.085E-03
4.00E-01---6.00E-01	8.658E-03	8.723E-03	9.775E-03	9.435E-03	1.044E-02	1.131E-02	1.331E-02	1.650E-02	2.106E-02
3.00E-01---4.00E-01	1.257E-02	1.264E-02	1.311E-02	1.449E-02	1.722E-02	2.175E-02	2.736E-02	3.331E-02	3.877E-02
2.00E-01---3.00E-01	6.055E-02	6.079E-02	6.165E-02	6.296E-02	6.411E-02	6.520E-02	6.600E-02	6.700E-02	6.874E-02
1.00E-01---2.00E-01	1.595E-01	1.598E-01	1.610E-01	1.635E-01	1.670E-01	1.718E-01	1.779E-01	1.856E-01	1.950E-01
5.00E-02---1.00E-01	4.279E-01	4.286E-01	4.313E-01	4.365E-01	4.451E-01	4.819E-01	4.999E-01		
2.00E-02---5.00E-02	1.284E-01	1.285E-01	1.289E-01	1.296E-01	1.306E-01	1.320E-01	1.337E-01	1.357E-01	1.380E-01
ENERGY GROUP (MEV)	ANGLE 10	ANGLE 11	ANGLE 12	ANGLE 13	ANGLE 14	ANGLE 15	ANGLE 16	ANGLE 17	SCALAR FLUX
8.00E 00---1.00E 01	0.0950	0.2816	0.4580	-0.6179	0.7550	0.8646	0.9446	0.9894	1.423E-03
5.50E 00---8.00E 00	5.069E-05	6.598E-05	8.387E-05	1.151E-04	1.760E-04	3.045E-04	6.444E-04	1.810E-03	1.340E-02
5.00E 00---6.50E 00	3.634E-04	4.786E-04	6.111E-04	8.670E-04	1.300E-03	2.273E-03	4.821E-03	1.340E-02	1.045E-02
4.00E 00---5.00E 00	3.782E-03	4.894E-03	6.171E-03	8.550E-03	1.248E-02	2.095E-02	4.203E-02	5.959E-02	9.805E-02
3.00E 00---4.00E 00	2.053E-03	2.691E-03	3.390E-03	4.651E-03	6.847E-03	1.177E-02	2.372E-02	5.959E-02	5.356E-02
2.50E 00---3.00E 00	2.417E-03	2.930E-03	3.841E-03	5.095E-03	7.618E-03	1.272E-02	2.448E-02	5.505E-02	5.702E-02
2.00E 00---2.50E 00	4.551E-03	5.132E-03	5.789E-03	7.995E-03	1.198E-02	1.611E-02	3.874E-02	8.937E-02	
1.00E 00---2.00E 00	4.160E-03	5.418E-03	7.304E-03	1.019E-02	1.562E-02	2.574E-02	4.804E-02	1.064E-01	1.139E-01
1.33E 00---1.66E 00	5.108E-03	6.681E-03	8.810E-03	1.306E-02	2.000E-02	4.724E-02	9.933E-02	1.079E-01	
1.00E 00---1.33E 00	4.260E-03	4.978E-03	6.555E-03	1.078E-02	1.716E-02	2.635E-02	3.892E-02	5.621E-02	8.935E-02
8.00E-01---1.00E 00	4.385E-03	6.472E-03	1.018E-02	1.556E-02	2.275E-02	3.123E-02	4.093E-02	5.142E-02	1.125E-01
6.00E-01---8.00E-01	7.738E-03	1.142E-02	1.669E-02	2.260E-02	2.939E-02	3.646E-02	4.444E-02	5.366E-02	1.529E-01
4.00E-01---6.00E-01	2.694E-02	3.337E-02	4.343E-02	4.737E-02	5.191E-02	6.830E-02	7.840E-02	9.718E-02	1.744E-01
3.00E-01---4.00E-01	4.343E-02	4.734E-02	5.186E-02	5.761E-02	6.555E-02	7.533E-02	8.664E-02	9.823E-02	5.257E-01
2.00E-01---3.00E-01	7.184E-02	7.609E-02	8.236E-02	8.588E-02	9.929E-02	1.103E-01	1.235E-01	1.381E-01	9.729E-01
1.00E-01---2.00E-01	2.063E-01	2.197E-01	2.351E-01	2.525E-01	2.716E-01	3.109E-01	3.264E-01	3.664E-00	
5.00E-02---1.00E-01	5.206E-01	5.438E-01	5.591E-01	5.958E-01	6.227E-01	6.481E-01	6.696E-01	6.838E-01	6.584E-00
2.00E-02---5.00E-02	1.405E-01	1.433E-01	1.461E-01	1.490E-01	1.517E-01	1.541E-01	1.559E-01	1.570E-01	1.764E-00

4 PI R**2 FLUENCE AT 400.0 METERS

8.187 TO 10.00 MEV NEUTRON SOURCE

{ GAMMAS/MEV/STERADIAN/SOURCE NEUTRON}														SCALAR			
ENERGY	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9	ANGLE 10	ANGLE 11	ANGLE 12	ANGLE 13	ANGLE 14	ANGLE 15	ANGLE 16	FLUX
GROUP (MEV)	MU=-0.0000	MU=-0.9896	MU=-0.9446	MU=-0.8656	MU=-0.7550	MU=-0.6179	MU=-0.580	MU=-0.2816	MU=-0.0950	MU= 0.0950	MU= 0.9446	MU= 0.8656	MU= 0.7550	MU= 0.6179	MU= 0.580	MU= 0.2816	
8.00E 00----1.00E 01	1.80E-05	1.14E-04	1.23E-04	2.09E-05	2.28E-05	2.47E-05	2.71E-05	3.05E-05	3.56E-05	3.05E-05	3.56E-05	3.05E-05	3.56E-05	3.05E-05	3.56E-05	3.05E-05	
6.50E 00----8.00E 00	1.19E-04	1.14E-04	1.23E-04	1.36E-04	1.50E-04	1.64E-04	1.79E-04	2.02E-04	2.38E-04	2.02E-04	2.38E-04	2.02E-04	2.38E-04	2.02E-04	2.38E-04	2.02E-04	
5.00E 00----6.50E 00	1.26E-03	1.28E-03	1.38E-03	1.53E-03	1.68E-03	1.82E-03	1.98E-03	2.17E-03	2.59E-03	2.17E-03	2.59E-03	2.17E-03	2.59E-03	2.17E-03	2.59E-03	2.17E-03	
4.00E 00----5.00E 00	4.28E-04	4.69E-04	5.11E-04	6.09E-04	7.68E-04	9.64E-04	1.042E-03	1.042E-03	1.078E-03	1.042E-03	1.078E-03	1.042E-03	1.078E-03	1.042E-03	1.078E-03	1.042E-03	
3.00E 00----4.00E 00	5.89E-04	6.29E-04	6.68E-04	7.62E-04	8.09E-04	9.20E-04	1.017E-03	1.203E-03	1.259E-03	1.017E-03	1.259E-03	1.017E-03	1.259E-03	1.017E-03	1.259E-03	1.017E-03	
2.50E 00----3.00E 00	1.06E-03	1.10E-03	1.25E-03	1.40E-03	1.55E-03	1.67E-03	1.80E-03	2.01E-03	2.38E-03	1.80E-03	2.38E-03	1.80E-03	2.38E-03	1.80E-03	2.38E-03	1.80E-03	
2.00E 00----2.50E 00	1.66E-03	1.68E-03	1.77E-03	1.91E-03	2.05E-03	2.16E-03	2.27E-03	2.42E-03	2.52E-03	2.16E-03	2.52E-03	2.16E-03	2.52E-03	2.16E-03	2.52E-03	2.16E-03	
1.66E 30----2.00E 00	1.62E-03	1.61E-03	1.60E-03														
1.33E 00----1.66E 00	2.24E-03	2.20E-03	2.04E-03	1.93E-03	1.93E-03	1.93E-03	1.93E-03	2.14E-03	2.54E-03	1.93E-03	2.54E-03	1.93E-03	2.54E-03	1.93E-03	2.54E-03	1.93E-03	
1.00E 00----1.33E 00	1.40E-03	1.33E-03	1.09E-03														
8.00E 00----1.00E 00	1.09E-03	1.07E-03	1.04E-03														
6.00E 00----8.00E 00	5.53E-04	6.93E-04	8.15E-04	9.18E-04	1.08E-03	1.23E-03	1.36E-03	1.48E-03	1.61E-03	1.23E-03	1.61E-03	1.23E-03	1.61E-03	1.23E-03	1.61E-03	1.23E-03	
4.00E 00----6.00E 01	8.09E-03	8.15E-03	8.39E-03	8.39E-03	8.82E-03	9.52E-03	1.078E-02	1.300E-02	1.661E-02	8.82E-03	9.52E-03	1.078E-02	1.300E-02	1.661E-02	8.82E-03	9.52E-03	
3.00E 00----4.00E 01	1.19E-02	1.26E-02															
2.00E 00----3.00E 01	6.35E-02	6.37E-02	6.46E-02	6.60E-02	6.72E-02	6.80E-02	6.86E-02	6.95E-02	7.125E-02	6.72E-02	6.86E-02	6.95E-02	7.125E-02	7.125E-02	7.125E-02	7.125E-02	
1.00E 00----2.00E 01	1.73E-01	1.73E-01	1.74E-01	1.74E-01	1.773E-01	1.773E-01	1.811E-01	1.869E-01	1.939E-01	1.773E-01	1.811E-01	1.869E-01	1.939E-01	1.939E-01	2.027E-01	2.135E-01	
5.00E 00----6.00E 01	4.90E-01	4.91E-01	4.98E-01	5.012E-01	5.10E-01												
2.00E 00----5.00E 02	1.49E-01	1.49E-01	1.503E-01	1.512E-01	1.522E-01	1.541E-01	1.541E-01	1.562E-01	1.587E-01	1.562E-01	1.587E-01	1.562E-01	1.587E-01	1.562E-01	1.587E-01	1.615E-01	
ENERGY	ANGLE 11	ANGLE 12	ANGLE 13	ANGLE 14	ANGLE 15	ANGLE 16											
GROUP (MEV)	MU= 0.0950	MU= 0.2816	MU= 0.4580	MU= 0.6179	MU= 0.7550	MU= 0.8656	MU= 0.9446										
8.00E 00----1.00E 01	5.43E-05	5.46E-05	7.20E-05	1.004E-04	1.53E-04	2.712E-04	6.046E-04	1.912E-03	3.012E-03	1.301E-03	1.301E-03						
6.50E 00----8.00E 00	2.943E-04	3.756E-04	5.009E-04	7.060E-04	1.097E-03	1.968E-03	4.439E-03	9.331E-02	1.393E-02	9.255E-03	9.255E-03						
5.00E 00----6.50E 00	3.171E-03	3.996E-03	5.232E-03	7.200E-03	1.088E-02	1.863E-02	3.931E-02	8.931E-02	1.154E-01	8.931E-02	1.154E-01	8.931E-02	1.154E-01	8.931E-02	1.154E-01	8.931E-02	1.154E-01
4.00E 00----5.00E 00	1.737E-03	2.246E-03	2.927E-03	3.974E-03	6.070E-03	1.090E-02	2.332E-02	6.283E-02	8.283E-02	4.924E-02	8.283E-02	4.924E-02	8.283E-02	4.924E-02	8.283E-02	4.924E-02	8.283E-02
3.00E 00----4.00E 00	2.026E-03	2.595E-03	3.355E-03	4.568E-03	6.988E-03	1.233E-02	2.489E-02	5.913E-02	8.713E-02	5.913E-02	8.713E-02	5.913E-02	8.713E-02	5.913E-02	8.713E-02	5.913E-02	
2.50E 00----3.00E 00	2.958E-03	3.730E-03	4.817E-03	6.798E-03	1.055E-02	1.855E-02	3.713E-02	1.913E-02	1.913E-02	8.026E-02	1.913E-02	8.026E-02	1.913E-02	8.026E-02	1.913E-02	8.026E-02	
2.00E 00----2.50E 00	3.930E-03	4.964E-03	6.410E-03	9.123E-03	1.412E-02	2.420E-02	4.613E-02	9.760E-02	1.050E-01	1.028E-01	1.050E-01	1.028E-01	1.050E-01	1.028E-01	1.050E-01	1.028E-01	
1.66E 00----2.00E 00	3.550E-03	4.472E-03	6.097E-03	9.075E-03	1.46E-02	2.523E-02	4.632E-02	9.760E-02	1.060E-01	1.020E-01	1.060E-01	1.020E-01	1.060E-01	1.020E-01	1.060E-01	1.020E-01	
1.33E 00----1.66E 00	4.362E-03	5.531E-03	7.722E-03	1.190E-02	1.91E-02	3.158E-02	5.429E-02	1.060E-01	1.426E-01	1.060E-01	1.426E-01	1.060E-01	1.426E-01	1.060E-01	1.426E-01	1.060E-01	
1.00E 00----1.33E 00	2.804E-03	4.058E-03	6.735E-03	1.151E-02	1.889E-02	2.914E-02	4.289E-02	6.163E-02	9.426E-02	6.163E-02	9.426E-02	6.163E-02	9.426E-02	6.163E-02	9.426E-02	6.163E-02	
8.00E 00----1.00E 00	4.199E-03	6.670E-03	1.088E-02	1.713E-02	2.522E-02	3.659E-02	4.468E-02	5.549E-02	8.196E-02	5.549E-02	8.196E-02	5.549E-02	8.196E-02	5.549E-02	8.196E-02	5.549E-02	
6.00E 00----8.00E 01	7.992E-03	1.243E-02	1.827E-02	2.505E-02	3.228E-02	3.978E-02	4.770E-02	5.665E-02	8.628E-02	5.665E-02	8.628E-02	5.665E-02	8.628E-02	5.665E-02	8.628E-02	5.665E-02	
4.00E 00----6.00E 01	2.817E-02	3.533E-02	4.255E-02	4.967E-02	5.722E-02	6.652E-02	7.942E-02	9.695E-02	1.050E-01	9.889E-02	1.050E-01	9.889E-02	1.050E-01	9.889E-02	1.050E-01	9.889E-02	
3.00E 00----4.00E 01	4.565E-02	4.956E-02	5.322E-02	5.993E-02	6.805E-02	7.803E-02	8.899E-02	9.889E-02	1.047E-01	9.889E-02	1.047E-01	9.889E-02	1.047E-01	9.889E-02	1.047E-01	9.889E-02	
2.00E 00----3.00E 01	7.333E-02	7.911E-02	8.566E-02	9.335E-02	1.022E-01	1.133E-01	1.254E-01	1.378E-01	1.491E-01	1.022E-01	1.133E-01	1.254E-01	1.378E-01	1.491E-01	1.022E-01	1.133E-01	
1.00E 00----2.00E 01	2.264E-01	2.416E-01	2.590E-01	2.786E-01	2.990E-01	3.216E-01	3.421E-01	3.578E-01	3.720E-01	2.264E-01	2.416E-01	2.590E-01	2.786E-01	2.990E-01	3.216E-01	3.421E-01	
5.00E 00----6.00E 01	6.09E-01	6.350E-01	6.66E-01	7.002E-01	7.238E-01	7.656E-01	7.920E-01	8.092E-01	8.256E-01	6.09E-01	6.350E-01	6.66E-01	7.002E-01	7.238E-01	7.656E-01	7.920E-01	
2.00E 00----5.00E 02	1.647E-01	1.681E-01	1.717E-01	1.752E-01	1.785E-01	1.814E-01	1.849E-01	1.883E-01	1.914E-01	1.647E-01	1.681E-01	1.717E-01	1.752E-01	1.785E-01	1.814E-01	1.849E-01	

4 PI R**2 FLUENCE AT 500.0 METERS

8.187 TO 10.00 MEV NEUTRON SOURCE

(GAMMAS/MEV/STERADIANT/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=-0.10000	ANGLE 2 MU=-0.9894	ANGLE 3 MU=-0.9446	ANGLE 4 MU=-0.8656	ANGLE 5 MU=-0.7550	ANGLE 6 MU=-0.6179	ANGLE 7 MU=-0.4580	ANGLE 8 MU=-0.2816	ANGLE 9 MU=-0.0950
8.00E 00---1.00E 01	1.413E-05	1.440E-05	1.541E-05	1.696E-05	1.858E-05	2.015E-05	2.195E-05	2.460E-05	2.884E-05
7.50E 00---8.00E 00	7.856E-05	8.136E-05	8.991E-05	1.026E-04	1.146E-04	1.244E-04	1.346E-04	1.506E-04	1.785E-04
5.00E 00---6.50E 00	9.282E-04	9.544E-04	1.048E-03	1.185E-03	1.315E-03	1.421E-03	1.531E-03	1.705E-03	2.006E-03
4.00E 00---5.00E 00	2.478E-04	2.910E-04	4.384E-04	6.261E-04	7.768E-04	8.260E-04	8.249E-04	8.676E-04	1.041E-03
3.00E 00---4.00E 00	3.901E-04	4.325E-04	5.77E-04	7.731E-04	9.142E-04	9.04E-04	9.874E-04	1.274E-03	1.527E-03
2.50E 00---3.00E 00	7.512E-04	7.861F-04	9.075E-04	1.074E-03	1.206E-03	1.288E-03	1.367E-03	1.457E-03	1.832E-03
2.00E 00---2.50E 00	1.261E-03	1.282E-03	1.355E-03	1.472E-03	1.584E-03	1.701E-03	1.864E-03	2.129E-03	2.540E-03
1.66E 00---2.00E 00	1.288E-03	1.277E-03	1.245E-03	1.210E-03	1.237E-03	1.359E-03	1.587E-03	1.904E-03	2.292E-03
1.33E 00---1.66E 00	1.828E-03	1.779E-03	1.610E-03	1.441E-03	1.412E-03	1.601E-03	1.973E-03	2.420E-03	2.871E-03
1.00E 00---1.33E 00	1.227E-03	1.150E-03	8.96E-04	6.129E-04	5.442E-04	7.579E-04	1.155E-03	1.554E-03	1.884E-03
8.00E-01---1.00E 00	8.479E-04	8.422E-04	8.399E-04	8.916E-04	1.048E-03	1.295E-03	1.582E-03	1.921E-03	2.501E-03
6.00E-01---8.00E-01	2.627E-04	4.078E-04	9.096E-04	1.571E-03	2.031E-03	2.313E-03	2.862E-03	4.458E-03	4.458E-03
4.00E-01---6.00E-01	7.065E-03	7.113E-03	7.305E-03	7.674E-03	8.319E-03	9.544E-03	1.178E-02	1.553E-02	2.060E-02
3.00E-01---4.00E-01	1.052E-02	1.062E-02	1.123E-02	1.295E-02	1.634E-02	2.147E-02	2.772E-02	3.402E-02	3.936E-02
2.00E-01---3.00E-01	6.065E-02	6.089E-02	6.174E-02	6.293E-02	6.393E-02	6.554E-02	6.490E-02	6.699E-02	6.699E-02
1.00E-01---2.00E-01	1.669E-01	1.673F-01	1.687E-01	1.715E-01	1.756E-01	1.810E-01	1.880E-01	1.958E-01	2.074E-01
5.00F-02---1.00E-01	4.919E-01	4.927E-01	4.964E-01	5.030E-01	5.127E-01	5.257E-01	5.420E-01	5.626E-01	5.855E-01
2.00E-02---5.00E-02	1.516E-01	1.517F-01	1.522E-01	1.532E-01	1.545E-01	1.562E-01	1.584E-01	1.610E-01	1.639E-01
ENERGY GROUP (MEV)	ANGLE 10 MU= 0.0950	ANGLE 11 MU= 0.2816	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 SCALAR FLUX	
8.00E 00---1.00E 01	3.535E-05	4.493E-05	5.931E-05	8.489E-05	1.212E-05	1.727E-04	2.323E-04	1.861E-03	1.40E-03
6.50E 00---8.00E 00	2.231E-05	2.482E-03	3.172E-03	4.177E-03	5.804E-03	8.891E-03	1.575E-02	1.332E-02	7.824E-03
5.00E 00---6.50E 00	1.363E-03	1.368E-03	1.813E-03	2.366E-03	3.222E-03	5.048E-03	9.548E-03	3.461E-02	7.462E-02
4.00E 00---5.00E 00	1.643E-03	2.134E-03	2.766E-03	3.803E-03	6.018E-03	1.117E-02	2.355E-02	5.790E-02	4.278E-02
3.00E 00---4.00E 00	2.303E-03	2.954E-03	3.380E-03	5.513E-03	8.891E-03	1.629E-02	3.354E-02	8.413E-02	6.828E-02
2.50E 00---3.00E 00	3.124E-03	3.938E-03	5.208E-03	7.521E-03	1.211E-02	2.147E-02	4.168E-02	9.516E-02	8.765E-02
2.00E 00---2.50E 00	2.00E 00	2.785E-03	4.953E-03	7.10E-03	1.301E-02	2.200E-02	4.246E-02	8.577E-02	8.577E-02
1.66E 00---2.00E 00	3.417E-03	4.402E-03	6.432E-03	1.035E-02	1.727E-02	2.891E-02	4.927E-02	9.339E-02	1.044E-01
1.33E 00---1.66E 00	2.374E-03	3.593E-03	6.310E-03	1.122E-02	1.871E-02	2.888E-02	4.204E-02	5.948E-02	9.001E-02
1.00E 00---1.33E 00	1.00E 00	1.00E 00	1.00E 00	1.062E-02	1.699E-02	2.507E-02	3.14E-02	4.344E-02	5.289E-02
6.00E 00---8.00E 00	7.542E-03	1.219E-02	1.812E-02	2.481E-02	3.175E-02	3.867E-02	4.569E-02	5.322E-02	1.566E-01
4.00E 00---6.00E 00	2.697E-02	3.386F-02	4.062E-02	4.701E-02	5.360E-02	6.168E-02	7.274E-02	8.711E-02	3.594E-01
3.00E 00---4.00E 00	4.341E-02	6.677E-02	5.065E-02	5.618E-02	6.374E-02	7.266E-02	8.165E-02	8.911E-02	5.148E-01
2.00E 00---3.00E 00	7.430E-02	6.986E-02	8.022E-02	8.739E-02	9.565E-02	1.049E-01	1.149E-01	1.244E-01	9.464E-01
1.00E 00---2.00E 00	2.202E-01	2.352E-01	2.523E-01	2.713E-01	2.917E-01	3.123E-01	3.310E-01	3.444E-01	2.836E-00
5.00E 00---6.00E 00	6.127E-01	6.432E-01	6.765E-01	7.415E-01	7.4666E-01	7.793E-01	8.063E-01	8.231E-01	7.754E-00
2.00E 00---5.00E 00	1.672E-01	1.745E-01	1.781E-01	1.708E-01	1.815E-01	1.867E-01	1.845E-01	1.881E-01	2.098E-00

4 PI R**2 FLUENCE AT 600.0 METERS

8.187 TO 10.00 MEV NEUTRON SOURCE

(GAMMAS/MEV/STERADIAN/SOURCE NEUTRON)									
ENERGY	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
GROUP (MEV)	MU=-1.0000	MU=0.9894	MU=-0.9446	MU=-0.8656	MU=-0.7550	MU=-0.6179	MU=-0.4580	MU=-0.2816	MU=-0.0950
8.00E 00----1.00E 01	1.091E-05	1.117E-05	1.212E-05	1.354E-05	1.492E-05	1.614E-05	1.747E-05	1.952E-05	2.298E-05
6.50E 00----8.00E 00	5.408E-05	5.634E-05	6.433E-05	7.575E-05	8.566E-05	9.245E-05	9.867E-05	1.096E-04	1.308E-04
5.00E 00----6.50E 00	6.632E-04	6.877E-04	7.740E-04	8.975E-04	1.000E-03	1.080E-03	1.151E-03	1.275E-03	1.511E-03
4.00E 00----5.00E 00	1.168E-04	1.281E-04	1.402E-04	1.597E-04	1.876E-04	2.095E-04	2.106E-04	6.106E-04	7.655E-04
3.00E 00----4.00E 00	2.353E-04	2.768E-04	4.185E-04	6.038E-04	7.259E-04	7.568E-04	7.447E-04	7.878E-04	9.659E-04
2.50E 00----3.00E 00	5.048E-04	5.378E-04	6.516E-04	8.024E-04	9.101E-04	9.604E-04	1.001E-03	1.113E-03	1.361E-03
2.00E 00----2.50E 00	9.295E-04	9.470E-04	9.864E-04	9.355E-04	9.817E-04	8.862E-04	9.853E-04	1.182E-03	1.21E-03
1.66E 00----2.00E 00	1.002E-03	9.864E-04	1.456E-03	1.403E-03	1.230E-03	1.033E-03	9.874E-04	1.155E-03	1.488E-03
1.33E 00----1.66E 00	1.133E-03	1.168E-04	1.027E-03	9.526E-04	7.073E-04	4.372E-04	3.765E-04	9.408E-04	1.408E-03
1.00E 00----1.33E 00	6.173E-04	6.157E-04	6.173E-04	6.248E-04	6.873E-04	8.336E-04	1.040E-03	1.262E-03	1.515E-03
8.00E -01----1.00E 00	3.955E-05	1.856E-04	6.624E-04	1.272E-03	1.672E-03	1.775E-03	1.815E-03	2.304E-03	3.046E-03
6.00E -01----8.00E-01	5.918E-03	5.954E-03	6.098E-03	6.392E-03	6.954E-03	8.088E-03	1.021E-02	1.366E-02	1.850E-02
4.00E -01----6.00E-01	3.00E-01	4.00E-01	8.827E-03	9.539E-03	9.122E-02	1.446E-02	2.509E-02	3.079E-02	3.543E-02
2.00E -01----3.00E-01	2.00E-01	3.00E-01	5.466E-01	5.486E-02	5.559E-02	5.658E-02	5.736E-02	5.780E-02	5.815E-02
1.00E -01----2.00E-01	1.506E-01	1.509E-01	1.523E-01	1.548E-01	1.548E-01	1.586E-01	1.636E-01	1.700E-01	1.877E-01
5.00E -02----1.00E-01	4.546E-01	4.587E-01	4.587E-01	4.651E-01	4.743E-01	4.866E-01	5.432E-01	5.432E-01	5.432E-01
2.00E -02----5.00E-02	1.409E-01	1.410E-01	1.410E-01	1.424E-01	1.436E-01	1.453E-01	1.473E-01	1.498E-01	1.525E-01
ENERGY	ANGLE 10	ANGLE 11	ANGLE 12	ANGLE 13	ANGLE 14	ANGLE 15	ANGLE 16	ANGLE 17	SCALAR
GROUP (MEV)	MU= 0.0950	MU= 0.2816	MU= 0.4580	MU= 0.6179	MU= 0.7550	MU= 0.8656	MU= 0.9894	MU= 1.751E-04	FLUX
8.00E 00----1.00E 01	2.840E-05	3.633E-05	4.811E-05	6.758E-05	1.055E-04	1.942E-04	4.645E-04	1.722E-03	9.751E-03
6.50E 00----8.00E 00	1.660E-04	2.180E-04	2.945E-04	4.231E-04	6.841E-04	1.316E-03	3.255E-03	1.212E-02	6.442E-03
5.00E 00----6.50E 00	1.048E-03	1.424E-03	2.448E-03	4.530E-03	7.054E-03	1.288E-03	2.939E-02	9.813E-02	6.147E-02
4.00E 00----5.00E 00	1.048E-03	1.427E-03	1.851E-03	2.511E-03	4.034E-03	8.047E-03	1.902E-02	5.595E-02	3.595E-02
3.00E 00----4.00E 00	1.287E-03	1.698E-03	2.198E-03	3.034E-03	4.966E-03	9.699E-03	2.129E-02	5.361E-02	4.053E-02
2.50E 00----3.00E 00	1.750E-03	2.262E-03	2.984E-03	4.312E-03	7.230E-03	1.384E-02	2.424E-02	5.626E-02	4.665E-02
2.00E 00----2.50E 00	3.015E-03	4.033E-03	5.985E-03	1.002E-03	1.839E-02	3.624E-02	8.246E-02	7.220E-02	7.172E-02
1.66E 00----2.00E 00	2.115E-03	2.703E-03	3.885E-03	6.332E-03	1.116E-02	2.017E-02	3.732E-02	7.598E-02	7.723E-02
1.33E 00----1.66E 00	2.582E-03	3.265E-03	5.146E-03	8.715E-03	1.505E-02	2.541E-02	4.285E-02	7.848E-02	8.089E-02
1.00E 00----1.33E 00	1.007E-03	1.037E-03	5.617E-03	1.032E-02	1.736E-02	2.674E-02	3.838E-02	5.318E-02	6.089E-02
8.00E -01----1.00E 00	3.199E-03	5.620E-03	9.775E-03	1.580E-02	2.322E-02	3.139E-02	3.929E-02	4.688E-02	5.037E-01
6.00E -01----8.00E-01	6.834E-03	1.120E-02	1.685E-02	2.246E-02	2.916E-02	3.503E-02	4.080E-02	4.665E-02	5.414E-01
4.00E -01----6.00E-01	2.437E-02	3.058E-02	3.646E-02	4.183E-02	4.722E-02	5.383E-02	6.276E-02	7.384E-02	8.173E-01
3.00E -01----4.00E-01	3.879E-02	4.150E-02	4.474E-02	4.952E-02	5.606E-02	6.355E-02	7.061E-02	7.610E-02	8.560E-01
2.00E -01----3.00E-01	6.568E-02	6.181E-02	7.080E-02	7.690E-02	8.377E-02	9.134E-02	9.919E-02	1.066E-01	1.365E-01
1.00E -01----2.00E-01	1.993E-01	2.120E-01	2.282E-01	2.452E-01	2.631E-01	2.810E-01	2.969E-01	3.08E-01	2.561E-00
5.00E -02----1.00E-01	5.689E-01	5.977E-01	6.290E-01	6.619E-01	6.944E-01	7.249E-01	7.497E-01	7.655E-01	7.197E-00
2.00E -02----5.00E-02	1.556E-01	1.559E-01	1.624E-01	1.658E-01	1.690E-01	1.717E-01	1.738E-01	1.750E-01	1.952E-00

4 PI R**2 FLUENCE AT 900.0 METERS

8.187 TO 10.00 MEV NEUTRON SOURCE

(GAMMAS/MEV/SERADIANSOURCE NEUTRON)									
ENERGY GROUP (MEV)	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
8.00E 00---1.00E 01	MU=-1.0000	MU=-0.9446	MU=-0.8656	MU=-0.7550	MU=-0.6179	MU=-0.4580	MU=-0.2816	MU=-0.0950	MU=-0.0950
8.50E 00---1.00E 00	4.564E-06	4.759E-06	5.441E-06	6.395E-06	7.175E-06	7.677E-06	8.126E-06	8.601E-06	1.079E-05
6.50E 00---6.50E 00	1.456E-05	1.618E-05	2.178E-05	2.917E-05	3.224E-05	3.592E-05	3.607E-05	3.876E-05	4.776E-05
5.00E 00---5.00E 00	2.095E-04	2.268E-04	2.843E-04	3.613E-04	4.151E-04	4.358E-04	4.433E-04	4.805E-04	5.865E-04
4.00E 00---4.00E 00	-5.491E-05	-1.688E-05	7.109E-05	2.104E-04	2.774E-04	2.655E-04	2.106E-04	1.903E-04	2.664E-04
3.00E 00---3.00E 00	-1.348E-05	3.277E-05	1.348E-04	2.611E-04	3.334E-04	3.233E-04	2.733E-04	2.696E-04	3.719E-04
2.50E 00---2.50E 00	1.335E-04	1.361E-04	2.135E-04	3.077E-04	3.581E-04	3.575E-04	3.438E-04	3.792E-04	5.014E-04
2.00E 00---2.50E 00	3.401E-04	3.476E-04	3.733E-04	4.557E-04	4.303E-04	4.57E-04	4.508E-04	7.445E-04	7.445E-04
1.66F 00---2.00E 00	4.527E-04	4.370E-04	3.707E-04	2.971E-04	2.743E-04	3.284E-04	4.477E-04	5.862E-04	7.007E-04
1.33E 00---1.66E 00	6.962E-04	6.504E-04	4.972E-04	3.235E-04	2.719E-04	3.813E-04	5.940E-04	7.858E-04	8.793E-04
1.00E 00---1.33E 00	5.321E-04	4.792E-04	3.004E-04	1.140E-04	9.208E-05	2.363E-04	4.477E-04	5.965E-04	6.523E-04
8.00E-01---1.00E 00	1.739E-04	2.120E-04	2.803E-04	2.644E-04	4.707E-04	3.764E-04	6.241E-04	9.094E-04	9.094E-04
6.00E-01---1.00E-01	-2.271E-04	-1.166E-04	1.821E-04	6.188E-04	8.051E-04	7.875E-04	7.280E-04	1.044E-03	2.154E-03
4.00E-01---6.00E-01	3.070E-03	3.077E-03	3.114E-03	3.228E-03	3.544E-03	4.289E-03	5.732E-03	8.057E-03	1.121E-02
3.00E-01---4.00E-01	4.486E-03	4.572E-03	5.444E-03	6.259E-03	6.488E-03	1.168E-02	5.31E-02	1.867E-02	2.113E-02
2.00E-01---3.00E-01	3.308E-02	3.319E-02	3.354E-02	3.396E-02	3.415E-02	3.402E-02	3.372E-02	3.360E-02	3.406E-02
1.00E-01---2.00E-01	8.891E-02	8.911E-02	8.956E-02	9.153E-02	9.378E-02	9.680E-02	1.006E-01	1.053E-01	1.110E-01
5.00E-02---1.00E-01	2.774E-01	2.799E-01	2.803E-01	2.840E-01	2.897E-01	2.973E-01	3.062E-01	3.186E-01	3.323E-01
2.00E-02---5.00E-02	8.641E-02	8.648E-02	8.677E-02	8.731E-02	8.808E-02	8.909E-02	9.034E-02	9.182E-02	9.350E-02
ENERGY GROUP (MEV)	ANGLE 10	ANGLE 11	ANGLE 12	ANGLE 13	ANGLE 14	ANGLE 15	ANGLE 16	ANGLE 17	SCALAR FLUX
8.00E 00---8.00E 01	MU= 0.0950	MU= 0.2816	MU= 0.4580	MU= 0.6179	MU= 0.7550	MU= 0.8656	MU= 0.9446	MU= 0.9894	5.612E-04
6.50E 00---6.50E 00	1.378E-05	1.407E-05	2.415E-05	3.411E-05	5.446E-05	1.055E-04	2.759E-04	1.187E-03	3.321E-03
5.00E 00---5.00E 00	6.442E-05	8.788E-05	1.193E-04	1.720E-04	2.919E-04	6.241E-04	1.758E-03	7.835E-03	7.835E-03
4.00E 00---4.00E 00	7.739E-04	1.374E-03	1.734E-03	2.137E-03	3.135E-03	6.276E-03	1.518E-02	1.155E-02	3.669E-02
3.00E 00---3.00E 00	4.352E-04	6.292E-04	7.924E-04	1.026E-04	1.789E-03	4.262E-03	1.262E-02	1.915E-02	3.534E-02
2.50E 00---2.50E 00	5.611E-04	7.692E-04	9.651E-04	1.318E-03	2.407E-03	5.521E-03	1.399E-02	2.213E-02	4.274E-02
2.00E 00---2.50E 00	6.939E-04	9.197E-04	1.184E-03	1.638E-03	2.681E-03	7.612E-03	2.112E-02	2.845E-02	4.565E-02
1.66E 00---2.00E 00	8.056E-04	1.030E-03	1.659E-03	2.167E-03	3.176E-03	5.092E-03	1.302E-02	2.089E-02	3.613E-02
1.33E 00---1.66E 00	9.554E-04	1.303E-03	2.379E-03	4.693E-03	8.724E-03	1.495E-02	2.427E-02	4.008E-02	4.533E-02
1.00E 00---1.33E 00	8.190E-04	1.547E-03	3.367E-03	6.626E-03	1.128E-02	1.693E-02	2.311E-02	4.814E-02	4.814E-02
8.00E-01---1.00E-00	1.717E-03	3.224E-03	6.285E-03	1.026E-02	1.484E-02	1.931E-02	2.571E-02	6.221E-02	6.221E-02
6.00E-01---8.00E-01	4.278E-03	7.311E-03	1.087E-02	1.448E-02	1.777E-02	2.066E-02	2.320E-02	2.543E-02	6.465E-02
4.00E-01---6.00E-01	1.484E-02	2.154E-02	2.409E-02	2.649E-02	2.951E-02	3.159E-02	3.804E-02	4.187E-02	4.187E-02
3.00E-01---4.00E-01	2.266E-02	2.378E-02	2.532E-02	2.781E-02	3.135E-02	3.497E-02	3.780E-02	3.937E-02	4.613E-01
2.00E-01---3.00E-01	3.532E-02	3.737E-02	4.004E-02	4.308E-02	4.636E-02	4.979E-02	5.314E-02	5.574E-02	4.771E-01
1.00E-01---2.00E-01	1.177E-01	1.254E-01	1.340E-01	1.434E-01	1.529E-01	1.621E-01	1.749E-01	1.504E-00	1.504E-00
5.00E-02---1.00E-01	3.479E-01	3.654E-01	3.842E-01	4.037E-01	4.228E-01	4.402E-01	4.541E-01	4.626E-01	4.392E-00
2.00E-02---5.00E-02	9.536E-02	9.735E-02	9.938E-02	1.014E-01	1.032E-01	1.048E-01	1.060E-01	1.067E-01	1.196E-00

4 PI R**2 FLUENCE AT 1200.0 METERS

8.187 TO 10.00 MEV NEUTRON SOURCE

(GAMMAS/MEV/STERADIAN/SOURCE NEUTRONS)

ENERGY GROUP (MEV)	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
8.00E 00---1.00E 01	MU=-0.9446	MU=0.9894	MU=-0.8656	MU=-0.7550	MU=0.6179	MU=-0.4580	MU=0.2816	MU=-0.0950	
6.-00E 00---8.00E 00	1.607E-06	1.731E-06	2.165E-06	2.737E-06	3.136E-06	3.293E-06	3.678E-06	4.542E-06	
5.00E 00---6.50E 00	2.120E-06	3.165E-06	6.608E-06	1.088E-05	1.342E-05	1.245E-05	1.213E-05	1.012E-05	
4.00E 00---5.00E 00	5.010E-05	6.001E-05	9.405E-05	1.367E-04	1.617E-04	1.546E-04	1.456E-04	2.080E-04	
4.00E 00---5.00E 00	-7.057E-06	-6.726E-06	8.937E-05	1.184E-04	1.007E-04	4.722E-05	6.457E-05	8.847E-05	
3.00E 00---4.00E 00	-4.831E-05	-2.651E-05	2.911E-05	1.117E-04	1.419E-04	1.241E-04	8.339E-05	1.275E-04	
2.50E 00---3.00E 00	2.341E-06	1.653E-05	6.047E-05	1.114E-04	1.346E-04	1.216E-04	1.007E-04	1.109E-04	
2.00E 00---2.50E 00	1.183E-04	1.280E-04	1.206E-04	1.356E-04	1.395E-04	1.456E-04	2.017E-04	2.663E-04	
1.66F 00---2.00E 00	2.049E-04	1.904E-04	1.411E-04	8.290E-05	6.191E-05	9.252E-05	1.634E-04	2.291E-04	2.592E-04
1.33F 00---1.66E 00	3.246E-04	2.942E-04	1.901E-04	6.382E-05	5.718E-05	1.060E-04	2.304E-04	3.114E-04	3.183E-04
1.00F 00---1.33E 00	2.528E-04	2.221E-04	1.032E-04	1.538E-05	1.514E-05	7.881E-05	1.956E-04	2.502E-04	2.376E-04
8.00E-01---1.00E 00	1.520E-05	2.353E-05	5.477E-05	1.068E-04	1.608E-04	1.930E-04	1.954E-04	2.115E-04	3.622E-04
6.00E-01---8.00E-01	-2.117E-04	-1.481E-04	2.891E-05	2.735E-04	3.534E-04	3.102E-04	2.453E-04	4.266E-04	1.092E-03
4.00E-01---6.00E-01	1.462E-03	1.458E-03	1.453E-03	1.483E-03	1.642E-03	2.062E-03	2.889E-03	4.912E-03	
3.00E-01---4.00E-01	2.048E-03	2.104E-03	2.399E-03	3.119E-03	4.389E-03	6.145E-03	8.071E-03	9.766E-03	1.086E-02
2.00E-01---3.00E-01	1.738E-02	1.753E-02	1.765E-02	1.762E-02	1.740E-02	1.708E-02	1.687E-02	1.697E-02	1.699E-02
1.00E-01---2.00E-01	4.497E-02	4.507E-02	4.551E-02	4.631E-02	4.746E-02	5.087E-02	5.987E-02	5.988E-02	
5.00E-02---1.00E-01	1.414E-01	1.427E-01	1.447E-01	1.476E-01	1.514E-01	1.562E-01	1.605E-01	1.688E-01	
2.00E-02---5.00E-02	4.392E-02	4.396E-02	4.410E-02	4.437E-02	4.475E-02	4.526E-02	4.587E-02	4.656E-02	
ENERGY GROUP (MEV)	ANGLE 10	ANGLE 11	ANGLE 12	ANGLE 13	ANGLE 14	ANGLE 15	ANGLE 16	ANGLE 17	SCALAR FLUX
8.00E 00---1.00E 01	MU= 0.9950	MU= 0.2816	MU= 0.4580	MU= 0.6179	MU= 0.8656	MU= 0.9946	MU= 0.9894	MU= 0.9894	3.002E-04
6.50E 00---8.00E 00	6.071E-06	8.213E-06	1.110E-05	1.582E-05	2.614E-05	5.381E-05	1.495E-04	7.200E-04	
5.00E 00---6.50E 00	2.400E-05	3.420E-05	4.574E-05	6.493E-05	1.254E-04	2.474E-04	8.783E-04	6.622E-03	
4.00E 00---5.00E 00	2.951E-04	4.068E-04	5.351E-04	7.039E-04	1.093E-04	2.786E-03	7.905E-03	3.317E-02	1.456E-02
3.00E 00---4.00E 00	1.765E-04	2.698E-04	3.069E-04	3.561E-04	6.903E-04	2.050E-03	6.294E-03	2.099E-02	9.431E-03
2.50E 00---3.00E 00	2.306E-04	3.243E-04	3.763E-04	4.889E-04	1.034E-03	2.823E-03	7.532E-03	2.000E-02	1.100E-02
2.00E 00---2.50E 00	3.403E-04	4.269E-04	6.873E-04	1.555E-03	3.863E-03	9.161E-03	2.208E-02	3.143E-02	2.208E-02
1.66E 00---2.00E 00	4.597E-04	5.597E-04	5.906E-04	1.107E-03	2.407E-03	5.333E-03	1.083E-02	2.200E-02	1.675E-02
1.33E 00---1.66E 00	2.644E-04	3.325E-04	6.477E-04	1.488E-03	3.211E-03	6.279E-03	1.135E-02	1.792E-02	
1.00E 00---1.33E 00	3.0C1E-04	7.186E-04	1.794E-03	3.670E-03	6.207E-03	9.012E-03	1.167E-02	1.406E-02	2.470E-02
8.00E-01---1.00E 00	8.401E-04	1.843E-03	3.469E-03	5.613E-03	7.931E-03	9.951E-03	1.129E-02	1.197E-02	3.198E-02
6.00E-01---8.00E-01	2.336E-03	4.035E-03	5.910E-03	7.658E-03	9.104E-03	1.121E-02	1.026E-02	1.190E-02	4.335E-02
4.00E-01---6.00E-01	7.802E-03	9.555E-03	1.096E-02	1.195E-02	1.288E-02	1.413E-02	1.586E-02	1.761E-02	9.070E-02
3.00E-01---4.00E-01	1.142E-02	1.179E-02	1.244E-02	1.364E-02	1.526E-02	1.680E-02	1.780E-02	1.817E-02	1.303E-01
2.00E-01---3.00E-01	1.754E-02	1.849E-02	1.969E-02	2.101E-02	2.381E-02	2.439E-02	2.517E-02	2.617E-02	2.371E-01
1.00E-01---2.00E-01	5.923E-02	6.293E-02	6.700E-02	7.133E-02	7.569E-02	7.975E-02	8.309E-02	8.519E-02	7.531E-01
5.00E-02---1.00E-01	1.765E-01	1.850E-01	1.944E-01	2.124E-01	2.124E-01	2.124E-01	2.268E-01	2.223E-01	2.223E-00
2.00E-02---5.00E-02	4.833E-02	4.930E-02	5.123E-02	5.211E-02	5.285E-02	5.341E-02	5.374E-02	6.057E-02	

4 PI R**2 FLUENCE AT 1500.0 METERS

8.187 TO 10.00 MEV NEUTRON SOURCE

(GAMMAS/MEV/STERADIANSOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=-1.000	ANGLE 2 MU=-0.9894	ANGLE 3 MU=-0.9446	ANGLE 4 MU=-0.8656	ANGLE 5 MU=-0.7550	ANGLE 6 MU=-0.6179	ANGLE 7 MU=-0.4580	ANGLE 8 MU=-0.2816	ANGLE 9 MU=-0.0950
8.00E 00---1.00E 01	4.315E-07	5.06E-07	7.644E-07	1.088E-06	1.282E-06	1.305E-06	1.253E-06	1.334E-06	1.724E-06
8.50E 00---8.00E 00	-8.921E-07	-2.01E-07	1.553E-06	4.170E-06	4.272E-06	4.889E-06	3.698E-06	5.070E-06	5.070E-06
5.00E 00---6.50E 00	3.928E-06	9.600E-06	2.786E-05	4.938E-05	6.173E-05	5.879E-05	4.912E-05	6.869E-05	6.891E-05
4.00E 00---5.00E 00	-4.991E-05	-3.78E-05	-1.292E-05	2.870E-05	5.486E-05	3.786E-05	3.946E-06	2.568E-06	2.310E-05
3.00E 00---4.00E 00	-4.169E-05	-2.95E-05	2.343E-06	4.658E-05	5.820E-05	4.497E-05	1.358E-05	1.649E-05	4.226E-05
2.50E 00---3.00E 00	-1.590E-05	-7.87E-06	1.323E-05	4.167E-05	4.861E-05	3.909E-05	2.480E-05	2.773E-05	5.644E-05
2.00E 00---2.50E 00	4.180E-05	4.212E-05	4.281E-05	4.233E-05	4.103E-05	4.238E-05	5.155E-05	7.021E-05	9.623E-05
1.66E 00---2.00E 00	9.498E-05	8.575E-05	5.284E-05	1.407E-05	6.467E-06	2.300E-05	5.979E-05	9.089E-05	9.305E-05
1.33E 00---1.66E 00	1.514E-04	1.33E-04	6.439E-05	7.180E-06	4.429E-06	2.760E-05	9.083E-05	1.273E-04	1.080E-04
1.00E 00---1.33E 00	1.158E-04	7.965E-05	3.880E-05	-7.105E-06	-7.448E-06	2.707E-05	8.303E-05	9.840E-05	7.556E-05
8.00E-01---1.00E 00	-2.089E-05	-1.43E-05	6.773E-06	4.176E-05	6.742E-05	7.644E-05	6.337E-05	5.965E-05	1.373E-04
6.00E-01---8.00E-01	-1.377E-04	-1.04E-04	2.068E-06	1.051E-04	1.093E-04	8.005E-05	1.602E-04	5.78E-04	5.78E-04
4.00E-01---6.00E-01	6.736E-04	6.687E-04	6.548E-04	6.576E-04	7.330E-04	9.529E-04	1.388E-03	2.062E-03	2.920E-03
3.00E-01---4.00E-01	8.962E-04	9.281E-04	1.093E-03	1.481E-03	2.142E-03	3.033E-03	3.976E-03	4.756E-03	5.222E-03
2.00E-01---3.00E-01	8.509E-03	8.522E-03	8.575E-03	8.599E-03	8.528E-03	8.353E-03	8.131E-03	7.974E-03	7.988E-03
1.00E-01---2.00E-01	2.131E-02	2.157E-02	2.157E-02	2.195E-02	2.321E-02	2.249E-02	2.517E-02	2.517E-02	2.644E-02
5.00E-02---1.00E-01	6.697E-02	6.707E-02	6.852E-02	6.986E-02	7.163E-02	7.651E-02	7.961E-02	7.961E-02	7.961E-02
2.00E-02---5.00E-02	2.072E-02	2.073E-02	2.080E-02	2.093E-02	2.110E-02	2.161E-02	2.195E-02	2.232E-02	2.232E-02
ENERGY GROUP (MEV)	ANGLE 11 MU= 0.0950	ANGLE 12 MU= 0.2816	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9894	SCALAR FLUX	
8.00E 00---1.00E 01	2.467E-06	3.45E-06	4.587E-06	6.716E-06	1.166E-05	2.619E-05	4.888E-05	4.888E-04	1.500E-04
6.50E 00---8.00E 00	8.852E-06	1.32E-05	1.695E-05	1.473E-05	1.166E-04	4.238E-04	4.238E-04	7.755E-04	
5.00E 00---6.50E 00	1.087E-04	1.549E-04	1.973E-04	2.613E-04	4.658E-04	1.175E-03	3.729E-03	1.732E-03	6.500E-03
4.00E 00---5.00E 00	7.242E-05	1.13E-04	1.140E-04	1.015E-04	2.389E-04	9.432E-04	3.246E-04	4.482E-03	5.333E-03
3.00E 00---4.00E 00	9.464E-05	1.33E-04	1.346E-04	1.566E-04	1.374E-04	1.056E-03	1.056E-03	1.056E-02	6.177E-03
2.50E 00---3.00E 00	9.619E-05	1.22E-04	1.391E-04	2.426E-04	6.774E-04	1.893E-03	4.641E-03	1.079E-02	1.052E-02
2.00E 00---2.50E 00	1.101E-04	1.284E-04	1.976E-04	4.470E-04	1.113E-03	2.563E-03	5.329E-03	1.052E-02	7.559E-03
1.66E 00---2.00E 00	7.414E-05	8.94E-05	2.453E-04	6.889E-04	1.590E-03	3.137E-03	5.536E-03	9.149E-03	8.235E-03
1.33E 00---1.66E 00	7.127E-05	1.32E-04	4.493E-04	1.155E-03	2.302E-03	3.852E-03	5.742E-03	8.035E-03	9.999E-03
1.00E 00---1.33E 00	9.941E-05	3.24E-04	9.058E-04	1.893E-03	3.150E-03	4.421E-03	5.443E-03	6.162E-03	1.186E-02
8.00E 00---1.00E 00	3.983E-04	9.355E-04	1.777E-03	2.835E-03	3.905E-03	4.732E-03	5.149E-03	5.229E-03	1.534E-02
6.00E 00---8.00E 00	1.195E-03	2.058E-03	2.962E-03	3.737E-03	4.313E-03	5.073E-03	5.348E-03	5.348E-03	2.013E-02
4.00E 00---6.00E 00	3.828E-03	4.62E-03	5.195E-03	5.566E-03	5.901E-03	6.404E-03	7.136E-03	7.849E-03	4.214E-02
3.00E 00---4.00E 00	5.404E-03	5.501E-03	5.758E-03	6.298E-03	7.016E-03	7.651E-03	7.984E-03	8.037E-03	6.124E-02
2.00E 00---3.00E 00	8.216E-03	8.622E-03	9.139E-03	9.687E-03	1.024E-02	1.082E-02	1.137E-02	1.177E-02	1.12E-01
1.00E 00---2.00E 00	2.791E-02	2.951E-02	3.138E-02	3.327E-02	3.515E-02	3.827E-02	3.912E-02	3.936E-02	3.936E-01
5.00E 00---6.00E 00	8.311E-02	8.655E-02	9.101E-02	9.514E-02	9.908E-02	1.026E-01	1.053E-01	1.069E-01	1.056E 00
2.00E 00---5.00E 00	2.273E-02	2.316E-02	2.360E-02	2.402E-02	2.441E-02	2.474E-02	2.513E-02	2.513E-02	2.847E-01

4 PI R**2 FLUENCE AT 1800.0 METERS

8.187 TO 10.00 MEV NEUTRON SOURCE

(GAMMAS/MEV/STERADIANSOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=-1.0000	ANGLE 2 MU=-0.9854	ANGLE 3 MU=-0.9446	ANGLE 4 MU=-0.8656	ANGLE 5 MU=-0.7550	ANGLE 6 MU=-0.6179	ANGLE 7 MU=-0.4580	ANGLE 8 MU=-0.2816	ANGLE 9 MU=-0.0950
8.00E 00----1.00E 01	4.466E-08	8.98E-08	2.355E-07	4.132E-07	5.099E-07	4.903E-07	4.184E-07	4.233E-07	5.996E-07
6.50E 00----8.00E 00	-1.143E-06	-7.695E-07	2.138E-07	1.623E-06	2.086E-06	1.759E-06	7.583E-07	1.502E-06	1.502E-06
5.00E 00----6.50E 00	-5.291E-06	-2.085E-06	6.508E-06	1.874E-05	2.319E-05	2.055E-05	1.414E-05	1.239E-05	2.134E-05
4.00E 00----5.00E 00	-2.938E-05	-2.307E-05	-3.376E-06	1.183E-05	2.459E-05	1.137E-05	-2.889E-06	-4.825E-06	5.906E-06
3.00E 00----4.00E 00	-2.624E-05	-1.999E-05	-1.751E-07	1.515E-05	2.709E-05	1.314E-05	5.492E-07	4.536E-07	1.315E-05
2.50E 00----3.00E 00	-1.279E-05	-8.819E-06	-1.857E-06	1.568E-05	1.793E-05	1.027E-05	3.653E-06	6.663E-06	1.912E-05
2.00E 00----2.50E 00	1.572E-05	1.550E-05	1.446E-05	1.249E-05	1.063E-05	1.101E-05	1.571E-05	2.426E-05	2.334E-05
1.66E 00----2.00E 00	4.499E-05	3.968E-05	1.876E-05	3.030E-07	-5.160E-06	3.606E-06	2.323E-05	3.737E-05	3.292E-05
1.23E 00----1.66E 00	7.093E-05	6.141E-05	2.501E-05	7.555E-06	-1.186E-05	3.443E-05	5.493E-05	3.500E-05	3.500E-05
1.00E 00----1.33E 00	5.230E-05	4.419E-05	1.647E-05	-8.186E-06	-8.055E-06	9.145E-06	3.498E-05	3.729E-05	1.745E-05
8.00E-01----1.00E 00	-2.038E-05	-1.620E-05	-1.765E-06	1.088E-05	3.076E-05	2.895E-05	1.478E-05	1.428E-05	5.070E-05
6.00E-01----8.00E-01	-7.744E-05	-6.043E-05	-5.102E-06	4.165E-05	7.042E-05	7.749E-05	1.677E-05	1.529E-05	1.529E-04
4.00E-01----5.00E-01	3.062E-04	3.026E-04	2.915E-04	2.880E-04	3.232E-04	4.332E-04	6.509E-04	9.825E-04	1.394E-03
3.00E-01----4.00E-01	3.865E-04	4.039E-04	4.902E-04	6.872E-04	1.016E-03	1.448E-03	1.692E-03	2.244E-03	2.432E-03
2.00E-01----3.00E-01	4.039E-03	4.045F-03	4.263E-03	4.055E-03	4.000E-03	3.891E-03	3.761E-03	3.665E-03	3.654E-03
1.00E-01----2.00E-01	9.809E-03	9.832E-03	9.929E-03	1.012E-02	1.068E-02	1.08E-02	1.212E-02	1.08E-02	1.08E-02
5.00E-02----1.00E-01	3.074E-02	3.102E-02	3.146E-02	3.204E-02	3.283E-02	3.382E-02	3.500E-02	3.637E-02	3.637E-02
2.00E-02----5.00E-02	9.468E-03	9.475E-03	9.505E-03	9.560E-03	9.639E-03	9.741E-03	9.866E-03	1.001E-02	1.018E-02

ENERGY GROUP (MEV)	ANGLE 10 MU= 0.0950	ANGLE 11 MU= 0.2816	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9894	SCALAR FLUX
8.00E 00----1.00E 01	9.490E-07	1.383E-06	1.846E-06	2.608E-06	4.823E-06	1.221E-05	4.057E-05	2.362E-04	7.722E-05
6.50E 00----8.00E 00	3.425E-06	5.206E-06	6.136E-06	7.427E-06	1.412E-05	2.847E-05	2.011E-04	3.451E-03	3.629E-03
5.00E 00----6.50E 00	3.926E-05	5.829E-05	6.980E-05	8.460E-05	1.610E-04	4.806E-04	1.713E-03	8.605E-03	2.925E-03
4.00E 00----5.00E 00	3.077E-05	4.873E-05	3.995E-05	1.840E-05	7.229E-05	4.259E-04	1.620E-03	5.681E-03	2.097E-03
3.00E 00----4.00E 00	3.901E-05	4.412E-05	5.922E-05	4.101E-05	1.599E-04	6.229E-04	1.932E-03	2.438E-03	2.438E-03
2.50E 00----3.00E 00	3.630E-05	4.289E-05	4.054E-05	8.101E-05	2.946E-04	9.114E-04	2.281E-03	5.105E-03	2.817E-03
2.00E 00----2.50E 00	3.488E-05	3.557E-05	6.188E-05	1.817E-04	5.136E-04	1.230E-04	2.546E-03	4.786E-03	3.386E-03
1.66E 00----2.00E 00	1.526E-05	1.609E-05	9.296E-05	3.197E-04	7.718E-04	1.518E-03	2.609E-03	4.078E-03	3.784E-03
1.32E 00----1.66E 00	5.524E-06	3.833E-05	1.574E-04	5.579E-04	1.121E-03	1.835E-03	2.626E-03	3.451E-03	4.529E-03
1.00E 00----1.33E 00	2.857E-05	1.472E-04	4.443E-04	9.442E-04	1.530E-03	2.080E-03	2.445E-03	2.623E-03	5.510E-03
8.00E 00----1.00E 00	1.866E-04	4.595F-04	8.728E-04	1.371E-03	1.843E-03	2.165E-03	2.273E-03	2.229E-03	7.121E-03
6.00E 00----8.00E-01	5.851E-04	1.007E-03	1.423E-03	1.52E-03	1.969E-03	2.113E-03	2.395E-03	2.339E-03	9.585E-03
4.00E 00----6.00E-01	1.814E-03	2.162E-03	2.391E-03	2.520E-03	2.637E-03	2.840E-03	3.151E-03	3.450E-03	1.961E-03
3.00E 00----4.00E 01	2.482E-03	2.497E-03	2.599E-03	2.537E-03	3.150E-03	3.408E-03	3.515E-03	3.503E-03	2.803E-02
2.00E 00----3.00E 01	3.747E-03	3.922E-03	4.137E-03	4.360E-03	4.584E-03	4.015F-03	5.040E-03	5.205E-03	5.083E-02
1.00E 00----2.00E 01	1.277E-02	1.350E-02	1.429E-02	1.510E-02	1.590E-02	1.662E-02	1.719E-02	1.755E-02	1.614E-01
5.00E 00----6.00E 01	3.792E-02	3.959E-02	4.136E-02	4.144E-02	4.483E-02	4.631E-02	4.762E-02	4.813E-02	4.762E-01
2.00E 00----5.00E 02	1.036E-02	1.055F-02	1.074E-02	1.092E-02	1.109E-02	1.123E-02	1.133E-02	1.139E-02	1.297E-01

4 PI R**2 HENDERSON DOSE (NEUTRONS)
(CM**2 RAD/STERACIAN/SOURCE NEUTRON)

8.187 TO 10.000 MEV NEUTRON SOURCE

CCSINE	75.0	100.0	150.0	RANGE (METERS)	200.0	250.0	300.0	400.0
-1.00000E 00	5.916E-11	8.560E-11	1.102E-10	1.265E-10	1.351E-10	1.382E-10	1.320E-10	1.325E-10
-9.89401E-01	6.983E-11	8.634E-11	1.110E-10	1.271E-10	1.358E-10	1.388E-10	1.325E-10	1.325E-10
-9.44575E-01	7.108E-11	8.787E-11	1.128E-10	1.29CE-10	1.377E-10	1.406E-10	1.342E-10	1.342E-10
-8.65631E-01	7.190E-11	8.891E-11	1.141E-10	1.302E-10	1.388E-10	1.421E-10	1.361E-10	1.361E-10
-7.55044E-01	7.246E-11	8.982E-11	1.158E-10	1.330E-10	1.469E-10	1.498E-10	1.408E-10	1.408E-10
-6.17876E-01	7.565E-11	9.388E-11	1.211E-10	1.401E-10	1.500E-10	1.538E-10	1.476E-10	1.476E-10
-4.58017E-01	8.108E-11	1.002E-10	1.295E-10	1.493E-10	1.603E-10	1.645E-10	1.580E-10	1.580E-10
-2.81505E-01	9.009E-11	1.122E-10	1.442E-10	1.662E-10	1.780E-10	1.822E-10	1.743E-10	1.743E-10
-9.50125E-02	1.032E-10	1.286E-10	1.655E-10	1.889E-10	2.017E-10	2.058E-10	1.958E-10	1.958E-10
9.50125E-02	1.357E-10	1.748E-10	1.912E-10	2.176E-10	2.313E-10	2.356E-10	2.228E-10	2.228E-10
2.81605E-01	1.544E-10	1.745E-10	2.252E-10	2.521E-10	2.673E-10	2.710E-10	2.556E-10	2.556E-10
4.58017E-01	1.816E-10	2.521E-10	2.954E-10	3.124E-10	3.166E-10	3.198E-10	2.980E-10	2.980E-10
6.17876E-01	2.420E-10	2.844E-10	3.387E-10	3.617E-10	3.813E-10	3.858E-10	3.625E-10	3.625E-10
7.55044E-01	4.967E-10	4.847E-10	4.435E-10	4.895E-10	5.110E-10	5.134E-10	4.778E-10	4.778E-10
8.65631E-01	1.419E-09	9.490E-10	7.970E-10	7.922E-10	7.942E-10	7.822E-10	7.093E-10	7.093E-10
9.44575E-01	6.654E-09	5.531E-09	2.131E-09	1.856E-09	1.675E-09	1.536E-09	1.278E-09	1.278E-09
9.89401E-01	1.528E-08	1.505E-08	1.378E-08	1.194E-08	1.005E-08	8.366E-09	5.700E-09	5.700E-09
TOTAL	6.164E-09	6.058E-09	5.916E-09	5.781E-09	5.545E-09	5.240E-09	4.493E-09	4.493E-09

CCSINE	500.0	600.0	900.0	RANGE (METERS)	1200.0	1500.0	1800.0
-1.00000E 00	1.166E-10	9.768E-11	4.726E-11	1.920E-11	7.033E-12	2.403E-12	2.403E-12
-9.89401E-01	1.170E-10	9.799E-11	4.739E-11	1.925E-11	7.053E-12	2.410E-12	2.410E-12
-9.44575E-01	1.184E-10	9.955E-11	4.796E-11	1.949E-11	7.140E-12	2.441E-12	2.441E-12
-8.65631E-01	1.204E-10	1.010E-10	4.898E-11	1.993E-11	7.306E-12	2.498E-12	2.498E-12
-7.55044E-01	1.246E-10	1.016E-10	5.074E-11	2.065E-11	7.572E-12	2.590E-12	2.590E-12
-6.17876E-01	1.307E-10	1.037E-10	5.329E-11	2.170E-11	7.957E-12	2.722E-12	2.722E-12
-4.58017E-01	1.400E-10	1.175E-10	5.703E-11	2.319E-11	8.497E-12	2.904E-12	2.904E-12
-2.81605E-01	1.539E-10	1.288E-10	6.218E-11	2.521E-11	9.220E-12	3.147E-12	3.147E-12
-9.50125E-02	1.722E-10	1.437E-10	6.892E-11	2.783E-11	1.015E-11	3.460E-12	3.460E-12
9.50125E-02	1.952E-10	1.624E-10	7.740E-11	3.115E-11	1.134E-11	3.859E-12	3.859E-12
2.81605E-01	2.233E-10	1.855E-10	8.81CE-11	3.539E-11	1.287E-11	4.374E-12	4.374E-12
4.58017E-01	2.602E-10	2.159E-10	1.024E-10	4.110E-11	1.492E-11	5.066E-12	5.066E-12
6.17876E-01	3.159E-10	2.618E-10	1.237E-10	4.943E-11	1.788E-11	6.053E-12	6.053E-12
7.55044E-01	4.132E-10	3.402E-10	1.582E-10	6.249E-11	2.449E-11	7.524E-12	7.524E-12
8.65631E-01	6.018E-10	4.871E-10	2.187E-10	8.415E-11	2.959E-11	9.792E-12	9.792E-12
9.44575E-01	1.031E-09	8.051E-10	3.351E-10	1.227E-10	4.161E-11	1.340E-11	1.340E-11
9.89401E-01	3.852E-09	2.594E-09	7.863E-10	2.364E-10	7.038E-11	2.072E-11	2.072E-11
TOTAL	3.695E-09	2.942E-09	1.298E-09	5.015E-10	1.779E-10	5.947E-11	5.947E-11

4 PL R**2 SNYDER-NEUFELD DOSE (NEUTRONS)
(CM**2 RAD/STERAD/SOURCE NEUTRON)

8.187 TO 10.000 MEV NEUTRON SOURCE

			RANGE (METERS)			
			150.0	200.0	250.0	300.0
			100.0	150.0	200.0	400.0
CCSINE	75.0	100.0	1.246E-10	1.634E-10	1.908E-10	2.079E-10
-1.00000E 00	9.978E-11	1.007E-10	1.257E-10	1.645E-10	1.919E-10	2.079E-10
-9.89401E-01	1.025E-10	1.279E-10	1.672E-10	1.947E-10	2.018E-10	2.174E-10
-9.44575E-01	1.025E-10	1.294E-10	1.691E-10	1.966E-10	2.135E-10	2.201E-10
-8.65631E-01	1.046E-10	1.307E-10	1.715E-10	2.006E-10	2.225E-10	2.203E-10
-7.55044E-01	1.046E-10	1.307E-10	1.715E-10	2.006E-10	2.225E-10	2.203E-10
-6.17876E-01	1.091E-10	1.365E-10	1.792E-10	2.109E-10	2.298E-10	2.373E-10
-4.58017E-01	1.168E-10	1.911E-10	2.424E-10	2.447E-10	2.591E-10	2.526E-10
-2.81605E-01	1.297E-10	1.626E-10	2.127E-10	2.483E-10	2.701E-10	2.807E-10
-9.50125E-02	1.484E-10	1.860E-10	2.420E-10	2.809E-10	3.041E-10	3.076E-10
9.50125E-02	1.937E-10	2.527E-10	2.791E-10	3.221E-10	3.468E-10	3.466E-10
2.81605E-01	2.216E-10	2.514E-10	3.279E-10	3.710E-10	3.977E-10	3.937E-10
4.58017E-01	2.605E-10	3.109E-10	3.661E-10	4.325E-10	4.621E-10	4.540E-10
6.17876E-01	3.488E-10	4.079E-10	4.885E-10	5.263E-10	5.595E-10	5.456E-10
7.55044E-01	7.186E-10	6.92E-10	6.398E-10	7.086E-10	7.443E-10	7.525E-10
8.65631E-01	2.063E-09	1.375E-09	1.149E-09	1.143E-09	1.150E-09	1.137E-09
9.44575E-01	3.863E-09	3.678E-C9	3.068E-09	2.682E-09	2.424E-09	2.224E-09
9.89401E-01	2.232E-08	2.197E-08	2.010E-08	1.740E-08	1.464E-08	1.218E-08
TOTAL	8.958E-09	8.802E-09	8.613E-09	8.459E-09	8.169E-09	7.779E-09
COSINE	500.0	600.0	900.0	1200.0	1500.0	1800.0
-1.00000E 00	1.949E-10	1.678E-10	8.673E-11	3.693E-11	1.400E-11	4.912E-12
-9.89401E-01	1.955E-10	1.683E-10	8.695E-11	3.702E-11	1.404E-11	4.924E-12
-9.44575E-01	1.977E-10	1.702E-10	8.788E-11	3.741E-11	1.418E-11	4.976E-12
-8.65631E-C1	2.008E-10	1.731E-10	8.953E-11	3.814E-11	1.446E-11	5.075E-12
-7.55044E-01	2.072E-10	1.786E-10	9.233E-11	3.931E-11	1.491E-11	5.299E-12
-6.17876E-01	2.164E-10	1.864E-10	9.633E-11	4.099E-11	1.553E-11	5.447E-12
-4.58017E-01	4.58017E-10	1.981E-10	1.021E-10	4.334E-11	1.640E-11	5.743E-12
-2.81605E-01	2.505E-10	2.149E-10	1.099E-10	4.648E-11	1.754E-11	6.131E-12
-9.50125E-C2	2.773E-10	2.368E-10	1.201E-10	5.050E-11	1.899E-11	6.623E-12
9.50125E-02	3.101E-10	2.641E-10	1.327E-10	5.552E-11	2.081E-11	7.240E-12
2.81605E-01	3.513E-10	2.975E-10	1.484E-10	6.183E-11	2.310E-11	8.021E-12
4.58017E-01	4.040E-10	3.413E-10	1.692E-10	7.02CE-11	2.614E-11	9.053E-12
6.17876E-01	4.832E-10	4.067E-10	1.998E-10	8.225E-11	3.045E-11	1.050E-11
7.55044E-01	6.217E-10	5.183E-10	2.491E-10	1.010E-10	3.694E-11	1.262E-11
8.65631E-C1	8.911E-10	7.288E-10	3.354E-10	1.319E-10	4.722E-11	1.536E-11
9.44575E-01	1.507E-09	1.184E-09	5.026E-10	1.87CE-10	6.440E-11	2.102E-11
9.89401E-C1	5.611E-09	3.784E-C9	1.156E-09	3.513E-10	1.059E-10	3.156E-11
TOTAL	5.681E-09	4.604E-09	2.128E-09	8.525E-10	3.111E-10	1.063E-10

4 PI R**2 TISSUE KERMA (NEUTRONS)
 (CM**2 ERGS/GRAM/STERADIAN/SOURCE NEUTRON)

8.187 TO 10.000 MEV NEUTRON SOURCE

COSINE	75.0	100.0	120.0	150.0	180.0	200.0	250.0	300.0	400.0
-1.00000E 00	7.142E-09	8.850E-09	1.143E-08	1.316E-08	1.413E-08	1.451E-08	1.497E-08	1.539E-08	1.570E-08
-9.89401E-01	7.213E-09	8.930E-09	1.151E-08	1.324E-08	1.420E-08	1.470E-08	1.520E-08	1.570E-08	1.620E-08
-9.44575E-01	7.349E-09	9.094E-09	1.171E-08	1.344E-08	1.440E-08	1.497E-08	1.542E-08	1.594E-08	1.640E-08
-8.65631E-01	7.436E-09	9.205E-09	1.185E-08	1.357E-08	1.452E-08	1.503E-08	1.553E-08	1.603E-08	1.650E-08
-7.55044E-01	7.492E-09	9.297E-09	1.202E-08	1.386E-08	1.500E-08	1.553E-08	1.603E-08	1.653E-08	1.703E-08
-6.17876E-01	7.822E-09	9.716E-09	1.257E-08	1.675E-08	1.675E-08	1.675E-08	1.675E-08	1.675E-08	1.675E-08
-4.58017E-01	8.384E-09	1.037E-08	1.343E-08	1.554E-08	1.729E-08	1.858E-08	1.908E-08	1.958E-08	1.988E-08
-2.81605E-01	9.317E-09	1.162E-08	1.55CE-08	1.792E-08	1.966E-08	2.104E-08	2.153E-08	2.193E-08	2.06CE-08
-9.50125E-02	1.068E-C8	1.332E-C8	1.712E-08	2.267E-08	2.416E-08	2.464E-08	2.514E-08	2.564E-08	2.340E-08
9.50125E-02	1.04E-08	1.814E-08	1.977E-08	2.416E-08	2.677E-08	2.839E-08	2.999E-08	3.159E-08	2.679E-08
2.81605E-01	1.602E-08	1.810E-08	2.344E-08	2.617E-08	2.780E-08	2.859E-08	2.929E-08	3.016E-08	2.679E-08
4.58017E-01	1.88E-08	2.241E-08	2.615E-08	3.070E-08	3.252E-08	3.459E-08	3.782E-08	4.014E-08	3.782E-08
6.17876E-01	2.328E-08	2.954E-08	3.514E-08	3.752E-08	3.959E-08	4.144E-08	4.344E-08	4.544E-08	4.744E-08
7.55044E-01	5.234E-08	5.800E-08	4.651E-08	5.087E-08	5.314E-08	5.340E-08	5.340E-08	5.340E-08	5.340E-08
8.65631E-01	1.505E-C7	1.001E-C7	8.334E-08	8.262E-08	8.278E-08	8.154E-08	7.399E-08	7.399E-08	7.399E-08
9.44575E-01	2.820E-07	2.684E-07	2.251E-07	1.951E-07	1.659E-07	1.603E-07	1.539E-07	1.444E-07	1.344E-07
9.89401E-01	1.630E-06	1.6C4E-06	1.467E-06	1.270E-06	1.068E-06	8.895E-07	6.895E-07	6.044E-07	5.044E-07
TOTAL	6.524E-C7	6.395E-07	6.223E-07	6.071E-07	5.820E-07	5.499E-07	4.721E-07		
COSINE	500.0	600.0	700.0	900.0	1000.0	1200.0	1500.0	1800.0	2000.0
-1.00000E 00	1.242E-C8	1.048E-08	5.147E-09	2.115E-09	7.812E-10	2.687E-10	2.687E-10	2.687E-10	2.687E-10
-9.89401E-01	1.271E-C8	1.062E-08	5.162E-09	2.121E-09	7.834E-10	2.695E-10	2.695E-10	2.695E-10	2.695E-10
-9.44575E-01	1.262E-C8	1.063E-08	5.222E-09	2.146E-09	7.927E-10	2.727E-10	2.727E-10	2.727E-10	2.727E-10
-8.65631E-01	1.283E-08	1.083E-08	5.330E-09	2.192E-09	8.105E-10	2.790E-10	2.790E-10	2.790E-10	2.790E-10
-7.55044E-01	1.327E-08	1.120E-08	5.516E-09	2.269E-09	8.390E-10	2.888E-10	2.888E-10	2.888E-10	2.888E-10
-6.17876E-01	1.174E-08	5.785E-09	2.380E-09	8.798E-10	9.369E-10	3.028E-10	3.028E-10	3.028E-10	3.028E-10
-4.58017E-01	1.886E-08	1.255E-08	6.176E-09	2.377E-09	9.369E-10	3.221E-10	3.221E-10	3.221E-10	3.221E-10
-2.81605E-01	1.631E-08	1.373E-08	6.715E-09	2.149E-09	1.013E-09	3.478E-10	3.478E-10	3.478E-10	3.478E-10
-9.50125E-02	1.529E-08	1.529E-08	7.418E-09	3.024E-09	1.111E-09	3.808E-10	3.808E-10	3.808E-10	3.808E-10
9.50125E-02	2.060E-08	1.721E-08	8.300E-09	3.370E-09	1.235E-09	4.225E-10	4.225E-10	4.225E-10	4.225E-10
2.81605E-01	2.350E-08	1.960E-08	9.408E-09	3.810E-09	1.394E-09	4.761E-10	4.761E-10	4.761E-10	4.761E-10
4.58017E-01	2.730E-08	2.274E-08	1.089E-08	4.000E-09	1.607E-09	5.480E-10	5.480E-10	5.480E-10	5.480E-10
6.17876E-01	3.306E-C8	2.748E-08	1.308E-08	5.261E-09	1.913E-09	6.502E-10	6.502E-10	6.502E-10	6.502E-10
7.55044E-01	4.314E-08	3.561E-08	1.666E-08	6.614E-09	2.381E-09	8.024E-10	8.024E-10	8.024E-10	8.024E-10
8.65631E-01	6.288E-08	5.099E-08	2.296E-08	8.866E-09	3.127E-09	1.038E-09	1.038E-09	1.038E-09	1.038E-09
9.44575E-01	1.079E-07	8.431E-08	3.515E-08	1.290E-08	4.382E-09	1.414E-09	1.414E-09	1.414E-09	1.414E-09
9.89401E-01	4.077E-07	2.743E-07	8.293E-08	2.491E-08	7.415E-09	2.184E-09	2.184E-09	2.184E-09	2.184E-09
TOTAL	3.891E-07	3.106E-07	1.382E-07	5.375E-08	1.918E-08	6.442E-09			

4 PI R*2 MID-PHANTOM SOURCE (NEUTRONS)
(CH**2 RAD/STERADIAN/SOURCE NEUTRIN)

8.187 TO 10.000 MEV NEUTRON SOURCE

COSINE		RANGE (METERS)				RANGE (METERS)				RANGE (METERS)			
		100.0	150.0	200.0	250.0	300.0	400.0			100.0	150.0	200.0	250.0
-1.0000E 06	3.564E-11	4.242E-11	5.143E-11	5.653E-11	5.855E-11	5.841E-11	5.386E-11			3.564E-11	4.242E-11	5.143E-11	5.653E-11
-9.594C1E-01	3.623E-11	4.309E-11	5.413E-11	5.363E-11	5.865E-11	6.051E-11	5.888E-11			3.623E-11	4.309E-11	5.413E-11	5.363E-11
-9.44575E-01	3.736E-11	4.443E-11	5.519E-11	5.445E-11	5.920E-11	6.078E-11	6.015E-11			3.736E-11	4.443E-11	5.519E-11	5.445E-11
-8.65631E-01	3.799E-11	4.519E-11	5.540E-11	5.498E-11	6.038E-11	6.330E-11	6.063E-11			3.799E-11	4.519E-11	5.540E-11	5.498E-11
-7.55044E-01	3.807E-11	4.540E-11	5.560E-11	5.782E-11	6.428E-11	6.666E-11	6.314E-11			3.807E-11	4.540E-11	5.560E-11	5.782E-11
-6.17876E-01	3.992E-11	4.762E-11	5.120E-11	6.228E-11	6.884E-11	7.155E-11	6.646E-11			3.992E-11	4.762E-11	5.120E-11	6.228E-11
-5.52017E-01	4.312E-11	5.120E-11	6.228E-11	7.142E-11	7.881E-11	8.167E-11	7.154E-11			4.312E-11	5.120E-11	6.228E-11	7.142E-11
-2.81605E-01	4.877E-11	5.874E-11	7.142E-11	7.881E-11	8.167E-11	8.139E-11	7.476E-11			4.877E-11	5.874E-11	7.142E-11	7.881E-11
-9.50125E-02	5.736E-11	6.927E-11	8.417E-11	9.256E-11	9.559E-11	9.488E-11	8.649E-11			5.736E-11	6.927E-11	8.417E-11	9.256E-11
9.50125E-02	7.675E-11	1.010E-10	9.766E-11	1.116E-10	1.148E-10	1.116E-10	1.012E-10			7.675E-11	1.010E-10	9.766E-11	1.116E-10
2.81605E-01	9.130E-11	9.904E-11	1.232E-10	1.290E-10	1.322E-10	1.322E-10	1.165E-10			9.130E-11	9.904E-11	1.232E-10	1.290E-10
4.58017E-01	1.500E-10	1.275E-10	1.370E-10	1.567E-10	1.605E-10	1.567E-10	1.408E-10			1.500E-10	1.275E-10	1.370E-10	1.567E-10
6.17876E-01	1.596E-10	1.728E-10	1.912E-10	1.946E-10	1.987E-10	1.946E-10	1.771E-10			1.596E-10	1.728E-10	1.912E-10	1.946E-10
7.50444E-01	3.695E-10	3.348E-10	2.679E-10	2.818E-10	2.856E-10	2.856E-10	2.496E-10			3.695E-10	3.348E-10	2.679E-10	2.818E-10
8.65631E-01	1.145E-09	7.194E-10	5.343E-10	5.021E-10	4.870E-10	4.870E-10	4.100E-10			1.145E-09	7.194E-10	5.343E-10	5.021E-10
9.44575E-01	2.182E-09	2.C36E-09	1.637E-09	1.355E-09	1.178E-09	1.178E-09	1.049E-09			2.182E-09	2.C36E-09	1.637E-09	1.355E-09
9.89401E-01	1.310E-08	1.282E-08	1.161E-08	9.954E-09	8.284E-09	8.284E-09	6.818E-09			1.310E-08	1.282E-08	1.161E-08	9.954E-09
TOTAL	4.805E-09	4.544E-09	4.141E-09	3.829E-09	3.500E-09	3.172E-09	2.542E-09			4.805E-09	4.544E-09	4.141E-09	3.829E-09
COSINE		RANGE (METERS)				RANGE (METERS)				RANGE (METERS)			
		600.0	900.0	1200.0	1500.0	1800.0				600.0	900.0	1200.0	1500.0
-1.0000E 00	4.648E-11	3.834E-11	1.815E-11	7.325E-12	2.681E-12	9.177E-13				4.648E-11	3.834E-11	1.815E-11	7.325E-12
-9.89401E-01	4.672E-11	3.952E-11	1.821E-11	7.348E-12	2.686E-12	9.202E-13				4.672E-11	3.952E-11	1.821E-11	7.348E-12
-9.44575E-01	4.750E-11	3.911E-11	1.845E-11	7.438E-12	2.721E-12	9.309E-13				4.750E-11	3.911E-11	1.845E-11	7.438E-12
-8.65631E-01	4.824E-11	3.979E-11	1.882E-11	7.595E-12	2.779E-12	9.509E-13				4.824E-11	3.979E-11	1.882E-11	7.595E-12
-7.55044E-01	5.15044E-01	4.136E-11	1.875E-11	8.018E-12	3.077E-12	9.838E-13				5.15044E-01	4.136E-11	1.875E-11	8.018E-12
-6.17876E-01	5.280E-11	4.352E-11	2.055E-11	8.272E-12	3.021E-12	1.032E-12				5.280E-11	4.352E-11	2.055E-11	8.272E-12
-4.58017E-01	5.707E-11	4.703E-11	2.213E-11	8.877E-12	3.231E-12	1.101E-12				5.707E-11	4.703E-11	2.213E-11	8.877E-12
-2.81605E-01	6.414E-11	5.259E-11	2.444E-11	9.728E-12	3.522E-12	1.195E-12				6.414E-11	5.259E-11	2.444E-11	9.728E-12
-9.50125E-02	7.369E-11	6.005E-11	2.752E-11	1.085E-11	3.905E-12	1.318E-12				7.369E-11	6.005E-11	2.752E-11	1.085E-11
9.50125E-02	8.564E-11	6.937E-11	3.139E-11	1.227E-11	4.387E-12	1.475E-12				8.564E-11	6.937E-11	3.139E-11	1.227E-11
2.81605E-01	9.990E-11	8.066E-11	3.622E-11	1.409E-11	5.020E-12	1.683E-12				9.990E-11	8.066E-11	3.622E-11	1.409E-11
4.58017E-01	1.186E-10	9.573E-11	1.666E-11	5.293E-12	1.921E-12	1.980E-12				1.186E-10	9.573E-11	1.666E-11	5.293E-12
6.17876E-01	1.492E-10	1.20E-10	5.384E-11	2.080E-11	7.355E-12	2.448E-12				1.492E-10	1.20E-10	5.384E-11	2.080E-11
7.55044E-01	2.092E-10	1.679E-10	7.387E-11	2.812E-11	9.816E-12	3.231E-12				2.092E-10	1.679E-10	7.387E-11	2.812E-11
8.65631E-01	3.378E-10	2.669E-10	1.130E-10	4.169E-11	1.420E-11	4.579E-12				3.378E-10	2.669E-10	1.130E-10	4.169E-11
9.44575E-01	6.551E-10	4.990E-10	1.955E-10	6.830E-11	2.228E-11	6.949E-12				6.551E-10	4.990E-10	1.955E-10	6.830E-11
9.89401E-01	2.996E-09	1.971E-C9	5.577E-10	1.574E-10	4.427E-11	1.241E-11				2.996E-09	1.971E-C9	5.577E-10	1.574E-10
TOTAL	1.962E-09	1.513E-09	6.127E-10	2.247E-10	7.703E-11	2.514E-11				1.962E-09	1.513E-09	6.127E-10	2.247E-10

⁴ PI R**2 CONCRETE KERMA (NEUTRONS)
 (CM**2 ERGS/GRAM/STERADIAN/SOURCE NEUTRON)

8.187 TO 10.000 MEV NEUTRON SOURCE

COSINE	75.0	100.0	150.0	RANGE (METERS)	200.0	250.0	300.0	400.0
-1.000E+00	9.346E-10	1.149E-C9	1.466E-09	1.673E-09	1.784E-09	1.821E-09	1.731E-09	1.731E-09
-9.89401E-01	9.465E-10	1.162E-09	1.480E-09	1.686E-09	1.832E-09	1.862E-09	1.745E-09	1.745E-09
-9.44575E-01	9.659E-10	1.190E-09	1.513E-09	1.719E-09	1.826E-09	1.862E-09	1.777E-09	1.777E-09
-8.65631E-01	9.851E-10	1.209E-09	1.535E-09	1.739E-09	1.844E-09	1.883E-09	1.797E-09	1.797E-09
-7.55044E-01	9.921E-10	1.221E-09	1.557E-09	1.757E-09	1.852E-09	1.883E-09	1.803E-09	1.803E-09
-6.18761E-01	1.038E-09	1.238E-09	1.630E-09	1.876E-09	1.999E-09	2.043E-09	1.952E-09	1.952E-09
-4.58017E-01	1.114E-09	1.365E-09	1.744E-09	1.997E-09	2.136E-09	2.185E-09	2.090E-09	2.090E-09
-2.81605E-01	1.243E-09	1.537E-09	1.958E-09	2.366E-09	2.383E-09	2.431E-09	2.314E-09	2.314E-09
-9.57125E-02	1.435E-09	1.775E-C9	2.253E-09	2.562E-09	2.720E-09	2.764E-09	2.614E-09	2.614E-09
9.50125E-02	1.904E-09	2.557E-09	2.591E-09	2.997E-09	3.667E-09	3.180E-09	2.992E-09	2.992E-09
2.81605E-01	2.189E-09	2.655E-09	3.149E-09	3.446E-09	3.629E-09	3.686E-09	3.445E-09	3.445E-09
4.58017E-01	2.600E-09	3.633E-C9	4.979E-09	4.979E-09	4.309E-09	4.028E-09	4.929E-09	4.929E-09
6.17876E-C1	3.607E-09	4.997E-09	4.754E-09	5.016E-09	5.244E-09	5.294E-09	4.907E-09	4.907E-09
7.55044E-01	7.832E-09	7.378E-09	6.379E-09	6.939E-09	7.188E-09	7.162E-09	6.606E-09	6.606E-09
8.65631E-01	8.528E-08	1.519E-C8	1.971E-08	1.197E-08	1.127E-08	1.127E-08	1.011E-08	1.011E-08
9.44575E-01	4.397E-08	4.145E-08	3.410E-08	2.896E-08	2.571E-08	2.326E-08	1.904E-08	1.904E-08
9.89401E-01	2.591E-07	2.513E-07	2.313E-07	1.993E-07	1.667E-07	1.379E-07	9.283E-08	9.283E-08
TOTAL	9.956E-08	9.610E-08	9.113E-08	8.717E-08	8.218E-08	7.656E-08	6.428E-08	6.428E-08
COSINE	500.0	600.0	700.0	RANGE (METERS)	900.0	1200.0	1500.0	1800.0
COSINE	500.0	600.0	700.0	RANGE (METERS)	900.0	1200.0	1500.0	1800.0
-1.000E+00	1.532E-09	1.283E-09	6.211E-10	2.526E-10	9.264E-11	9.169E-11	3.169E-11	3.169E-11
-9.89401E-01	1.538E-09	1.288E-09	6.231E-10	2.534E-10	9.291E-11	9.179E-11	3.179E-11	3.179E-11
-9.44575E-01	1.560E-09	1.305E-09	6.309E-10	2.565E-10	9.307E-11	9.218E-11	3.218E-11	3.218E-11
-8.65631E-01	1.587E-09	1.330E-09	6.444E-10	2.623E-10	9.624E-11	9.294E-11	3.294E-11	3.294E-11
-7.55044E-01	1.645E-09	1.446E-09	6.778E-10	2.854E-10	1.047E-10	1.047E-10	3.584E-11	3.584E-11
-6.17876E-01	1.724E-09	1.549E-09	7.011E-10	3.050E-10	1.118E-10	1.118E-10	3.323E-11	3.323E-11
-4.58017E-01	1.847E-09	1.602E-09	7.503E-10	3.192E-10	1.213E-10	1.213E-10	4.142E-11	4.142E-11
-2.81605E-01	2.037E-09	1.906E-09	9.10CE-10	3.668E-10	1.337E-10	1.337E-10	4.554E-11	4.554E-11
-9.50125E-02	2.290E-09	1.996E-09	2.162E-09	1.924E-09	4.109E-10	1.594E-10	5.077E-11	5.077E-11
9.50125E-02	2.608E-09	2.475E-09	1.167E-09	4.670E-10	1.674E-10	1.674E-10	5.752E-11	5.752E-11
2.81605E-01	2.993E-09	2.475E-09	1.167E-09	4.670E-10	1.674E-10	1.674E-10	6.666E-11	6.666E-11
4.58017E-01	3.495E-09	2.888E-09	1.359E-09	5.429E-10	1.867E-10	1.867E-10	7.989E-11	7.989E-11
6.17876E-01	4.269E-09	3.522E-09	1.649E-09	6.558E-10	2.366E-10	2.366E-10	1.601E-10	1.601E-10
7.55044E-01	5.674E-09	4.641E-09	2.137E-09	8.383E-10	2.991E-10	2.991E-10	1.323E-10	1.323E-10
8.65631E-01	8.505E-09	6.835E-09	3.024E-09	1.152E-09	4.09E-10	1.851E-10	1.851E-10	1.851E-10
9.44575E-01	1.518E-08	1.175E-08	4.794E-09	1.730E-09	5.000E-10	2.033E-09	2.988E-10	2.988E-10
9.89401E-01	6.198E-08	4.126E-08	1.212E-08	3.547E-09	1.033E-09	1.033E-09	2.988E-10	2.988E-10
TOTAL	5.206E-08	4.099E-08	1.772E-08	5.768E-09	2.385E-09	7.937E-10		

⁴ PI R**2 AIR KERMA (NEUTRONS)
(CM**2 ERGS/GRAM/SERADIANS/SOURCE NEUTRON)

8.187 TO 10.000 MEV NEUTRON SOURCE

	COSINE	75.0	100.0	150.0	RANGE (METERS)	200.0	250.0	300.0	400.0
-1.00000E+00	1.377E-09	1.671E-09	2.083E-09	2.332E-09	2.448E-09	2.465E-09	2.483E-09	2.483E-09	2.302E-09
-9.89401E-01	1.358E-09	1.694E-09	2.107E-09	2.355E-09	2.468E-09	2.488E-09	2.512E-09	2.532E-09	2.355E-09
-9.44575E-01	1.440E-09	1.744E-09	2.164E-09	2.411E-09	2.521E-09	2.559E-09	2.559E-09	2.559E-09	2.355E-09
-8.65631E-01	1.467E-09	1.792E-09	2.201E-09	2.440E-09	2.540E-09	2.588E-09	2.605E-09	2.605E-09	2.488E-09
-7.55044E-01	1.476E-09	1.792E-09	2.230E-09	2.494E-09	2.641E-09	2.658E-09	2.658E-09	2.658E-09	2.488E-09
-6.17876E-01	1.545E-09	1.878E-09	2.339E-09	2.641E-09	2.766E-09	2.786E-09	2.805E-09	2.805E-09	2.605E-09
-4.58017E-01	1.600E-09	2.006E-09	2.504E-09	2.814E-09	2.960E-09	2.986E-09	2.986E-09	2.986E-09	2.793E-09
-2.81605E-01	1.858E-09	2.272E-09	2.831E-09	3.175E-09	3.321E-09	3.351E-09	3.351E-09	3.351E-09	3.119E-09
-9.50125E-02	2.159E-09	2.644E-09	3.288E-09	3.674E-09	3.841E-09	3.851E-09	3.851E-09	3.851E-09	3.562E-09
9.50125E-02	2.889E-09	3.746E-09	3.852E-09	4.326E-09	4.505E-09	4.486E-09	4.486E-09	4.486E-09	4.123E-09
2.81605E-01	3.701E-09	4.660E-09	5.057E-09	5.249E-09	5.445E-09	5.479E-09	5.479E-09	5.479E-09	5.669E-09
4.58017E-01	4.007E-09	4.657E-09	5.232E-09	5.623E-09	6.242E-09	6.199E-09	6.199E-09	6.199E-09	5.669E-09
6.17876E-01	5.707E-09	6.372E-09	7.209E-09	7.489E-09	7.744E-09	7.720E-09	7.720E-09	7.720E-09	7.055E-09
7.55044E-01	1.283E-08	1.844E-08	9.822E-09	9.956E-08	1.083E-08	1.070E-08	1.070E-08	1.070E-08	9.713E-09
8.65631E-01	3.899E-08	2.488E-08	1.913E-08	1.825E-08	1.791E-08	1.739E-08	1.739E-08	1.739E-08	1.540E-08
9.44575E-01	7.400E-08	6.937E-08	5.639E-08	4.728E-08	4.153E-08	3.729E-08	3.729E-08	3.729E-08	3.016E-08
9.89401E-01	4.446E-07	4.317E-07	3.918E-07	3.366E-07	2.808E-07	2.316E-07	1.559E-07	1.559E-07	9.603E-08
TOTAL	1.651E-07	1.577E-07	1.466E-07	1.377E-07	1.278E-07	1.173E-07	1.173E-07	1.173E-07	9.603E-08

	CCSINE	500.0	600.0	960.0	RANGE (METERS)	1200.0	1500.0	1800.0
-1.00000E+00	2.001E-09	1.658E-09	7.883E-10	3.182E-10	1.163E-10	3.974E-11	3.974E-11	3.974E-11
-9.89401E-01	2.010E-09	1.665E-09	7.908E-10	3.191E-10	1.166E-10	3.985E-11	3.985E-11	3.985E-11
-9.44575E-01	2.041E-09	1.688E-09	8.007E-10	3.229E-10	1.180E-10	4.030E-11	4.030E-11	4.030E-11
-8.65631E-01	2.075E-09	1.719E-09	8.168E-10	3.296E-10	1.205E-10	4.115E-11	4.115E-11	4.115E-11
-7.55044E-01	2.153E-09	1.783E-09	8.461E-10	3.411E-10	1.246E-10	4.253E-11	4.253E-11	4.253E-11
-6.17876E-01	2.265E-09	1.871E-09	8.881E-10	3.578E-10	1.306E-10	4.455E-11	4.455E-11	4.455E-11
-4.58017E-01	2.428E-09	2.10E-09	9.522E-10	3.826E-10	1.393E-10	4.743E-11	4.743E-11	4.743E-11
-2.81605E-01	2.699E-09	2.226E-09	1.044E-09	4.172E-10	1.513E-10	5.135E-11	5.135E-11	5.135E-11
-9.50125E-02	3.065E-09	2.516E-09	1.168E-09	4.630E-10	1.670E-10	5.648E-11	5.648E-11	5.648E-11
9.50125E-02	3.528E-09	2.882E-09	1.324E-09	5.214E-10	1.872E-10	6.309E-11	6.309E-11	6.309E-11
2.81605E-01	4.091E-09	3.333E-09	1.522E-09	5.969E-10	2.136E-10	7.181E-11	7.181E-11	7.181E-11
4.58017E-01	4.834E-09	3.936E-09	1.795E-09	7.024E-10	2.507E-10	8.409E-11	8.409E-11	8.409E-11
6.17876E-01	6.014E-09	4.895E-09	2.224E-09	8.664E-10	3.078E-10	1.028E-10	1.028E-10	1.028E-10
7.55044E-01	8.230E-09	6.660E-09	2.978E-09	1.144E-09	4.017E-10	1.327E-10	1.327E-10	1.327E-10
8.65631E-01	1.281E-08	1.021E-08	4.392E-09	1.639E-09	5.621E-10	1.823E-10	1.823E-10	1.823E-10
9.44575E-01	2.381E-08	1.827E-08	7.283E-09	2.575E-09	8.480E-10	2.664E-10	2.664E-10	2.664E-10
9.89401E-01	1.028E-08	6.799E-08	1.955E-08	5.599E-09	1.597E-08	4.528E-10	4.528E-10	4.528E-10
TOTAL	7.616E-06	5.891E-08	2.450E-08	9.122E-09	3.157E-09	1.037E-09	1.037E-09	1.037E-09

4 FI R**2 IONIZING SILICON KERMA (NEUTRONS)
 (CN**2 ERGS/GRAM/STERADIAN/SOURCE NEUTRON)

	COSINE	75.0	100.0	150.0	RANGE (METERS)	200.0	250.0	300.0	400.0
-1.00000E+00	2.920E-10	3.273E-10	3.611E-10	3.710E-10	3.638E-10	3.462E-10	2.956E-10		
-9.89401E-01	3.C51E-10	3.420E-10	3.765E-10	3.851E-10	3.760E-10	3.566E-10	3.022E-10		
-9.44575E-01	3.325E-10	3.744E-10	4.125E-10	4.196E-10	4.076E-10	3.842E-10	3.222E-10		
-8.65631E-01	3.563E-10	3.953E-10	4.341E-10	4.339E-10	4.138E-10	3.920E-10	3.309E-10		
-7.55C44E-01	3.506E-10	3.967E-10	4.380E-10	4.466E-10	4.488E-10	4.245E-10	3.570E-10		
-6.17876E-01	3.729E-10	4.226E-10	4.666E-10	4.896E-10	4.740E-10	4.484E-10	3.778E-10		
-4.58017E-01	4.061E-10	4.533E-10	5.031E-10	5.20CE-10	5.102E-10	4.856E-10	4.13E-10		
-2.81605E-01	4.722E-10	5.436E-10	6.077E-10	6.305E-10	6.189E-10	5.885E-10	4.994E-10		
-9.50125E-02	5.828E-10	6.763E-10	7.628E-10	7.930E-10	7.790E-10	7.397E-10	6.246E-10		
9.50125E-02	8.177E-10	1.091E-09	8.502E-10	1.076E-09	1.055E-09	9.210E-10	7.865E-10		
2.81605E-01	1.024E-05	1.C77E-09	1.298E-09	1.196E-09	1.160E-09	1.165E-09	9.620E-10		
4.58017E-01	1.296E-C9	1.446E-09	1.386E-09	1.574E-09	1.541E-09	1.398E-09	1.181E-09		
6.17876E-01	2.221E-C9	2.117E-09	2.062E-09	2.058E-09	1.914E-09	1.869E-09	1.568E-09		
7.55044E-01	6.064E-CS	4.988E-C9	3.249E-09	3.210E-09	3.135E-09	2.934E-09	2.493E-09		
8.65631E-01	2.049E-08	1.207E-08	7.660E-09	6.623E-09	6.153E-09	5.780E-09	4.818E-09		
9.44575E-01	3.965E-08	3.628E-C8	2.778E-C8	2.169E-08	1.797E-08	1.541E-08	1.169E-08		
9.89401E-01	2.494E-C7	2.426E-07	2.172E-07	1.842E-07	1.515E-07	1.232E-07	7.995E-08		
TOTAL	8.342E-C8	7.583E-08	6.437E-08	5.605E-08	4.848E-08	4.174E-08	3.058E-08		

	CCSINE	500.0	600.0	RANGE (METERS)	900.0	1200.0	1500.0	1800.0
-1.CC0C0E-00	2.363E-10	1.E57E-10	7.701E-11	2.831E-11	9.672E-12	3.140E-12		
-9.89401E-01	2.431E-10	1.889E-10	7.791E-11	2.857E-11	9.744E-12	3.160E-12		
-9.44575E-01	1.985E-10	2.052E-10	8.387E-11	2.946E-11	1.001E-11	3.239E-12		
-8.65631E-01	2.651E-10	2.206E-10	8.938E-11	3.246E-11	1.100E-11	3.359E-12		
-7.55044E-01	2.850E-10	2.338E-10	9.552E-11	3.48CE-11	1.181E-11	3.817E-12		
-6.17876E-01	3.334E-10	2.593E-10	1.068E-10	3.887E-11	1.316E-11	4.243E-12		
-4.58017E-01	3.334E-10	3.099E-10	1.255E-10	4.528E-11	1.521E-11	4.871E-12		
-2.81605E-01	4.006E-10	4.982E-10	3.821E-10	1.526E-10	5.427E-11	5.729E-12		
-9.50125E-02	6.219E-10	4.751E-10	1.864E-10	6.552E-11	2.161E-11	6.825E-12		
2.81605E-01	7.606E-10	5.796E-10	2.263E-10	7.942E-11	2.618E-11	8.263E-12		
4.58017E-01	9.348E-10	7.148E-10	2.819E-10	9.972E-11	3.05E-11	1.047E-11		
6.17876E-01	9.643E-10	3.86CE-10	3.86CE-10	3.76E-10	4.576E-11	1.451E-11		
7.55044E-01	1.253E-09	1.995E-09	6.145E-10	2.175E-10	7.163E-11	2.248E-11		
8.65631E-01	3.817E-09	2.913E-09	1.130E-09	3.887E-10	1.248E-10	3.832E-11		
9.44575E-01	8.796E-09	6.487E-C9	2.346E-C9	7.663E-10	2.358E-10	6.981E-11		
9.89401E-01	5.143E-08	3.297F-C8	8.638E-09	2.261E-09	5.923E-10	1.554E-10		
TOTAL	2.206E-08	1.572E-08	5.386E-09	1.743E-09	5.423E-10	1.638E-10		

4 PI R**2 NCN IONIZING SILICON KERMA (NEUTRONS)
(CM**2 ERGS/GRAM/STERADIAN/SOURCE NEUTRON)

8.187 TO 10.000 MEV NEUTRON SOURCE

		CCSINE	75.0	100.0	150.0	RANGE (METERS)	200.0	250.0	300.0	400.0
-1.0.0.0.0E+06	9.447E-11	1.168E-10	1.501E-10	1.726E-10	1.84CE-10	1.881E-10	1.798E-10	1.885E-10	1.899E-10	1.805E-10
-9.89401E-01	9.530E-11	1.177E-10	1.511E-10	1.729E-10	1.848E-10	1.884E-10	1.799E-10	1.895E-10	1.901E-10	1.807E-10
-9.44575E-01	9.682E-11	1.195E-10	1.533E-10	1.753E-10	1.872E-10	1.932E-10	1.886E-10	1.922E-10	1.928E-10	1.832E-10
-8.65631E-01	9.771E-11	1.207E-10	1.548E-10	1.767E-10	1.886E-10	1.935E-10	1.928E-10	1.935E-10	1.941E-10	1.845E-10
-7.55044E-01	9.836E-11	1.218E-10	1.569E-10	1.804E-10	1.947E-10	1.996E-10	1.996E-10	1.996E-10	1.996E-10	1.916E-10
-6.17876E-01	1.027E-10	1.273E-10	1.642E-10	1.901E-10	2.038E-10	2.091E-10	2.091E-10	2.091E-10	2.091E-10	2.009E-10
-4.58017E-01	1.103E-10	1.362E-10	1.759E-10	2.029E-10	2.181E-10	2.239E-10	2.239E-10	2.239E-10	2.239E-10	2.153E-10
-2.0.1655E-01	1.227E-10	1.527E-10	1.769E-10	2.261E-10	2.423E-10	2.482E-10	2.482E-10	2.482E-10	2.482E-10	2.376E-10
-9.50125E-02	1.407E-10	1.752E-10	2.246E-10	2.572E-10	2.747E-10	2.804E-10	2.804E-10	2.804E-10	2.804E-10	2.670E-10
9.5C122E-02	1.844E-10	2.379E-10	2.574E-10	2.978E-10	3.168E-10	3.204E-10	3.204E-10	3.204E-10	3.204E-10	3.038E-10
2.81675E-01	2.381E-10	2.381E-10	3.080E-10	3.416E-10	3.621E-10	3.692E-10	3.692E-10	3.692E-10	3.692E-10	3.482E-10
4.58017E-01	2.956E-10	2.956E-10	3.425E-10	4.025E-10	4.258E-10	4.300E-10	4.300E-10	4.300E-10	4.300E-10	4.055E-10
6.17876E-01	3.275E-10	3.842E-10	4.594E-10	4.900E-10	5.165E-10	5.240E-10	5.240E-10	5.240E-10	5.240E-10	4.924E-10
7.55044E-01	6.534E-10	6.032E-10	6.640E-10	6.931E-10	6.931E-10	6.954E-10	6.954E-10	6.954E-10	6.954E-10	6.477E-10
8.65631E-01	1.890E-09	1.270E-09	1.073E-09	1.070E-09	1.073E-09	1.073E-09	1.073E-09	1.073E-09	1.073E-09	9.590E-10
9.44575E-01	3.532E-09	3.375E-09	2.850E-09	2.487E-09	2.253E-09	2.067E-09	2.067E-09	2.067E-09	2.067E-09	1.723E-09
9.89401E-01	2.024E-08	1.994E-08	1.828E-08	1.586E-08	1.336E-08	1.114E-08	1.114E-08	1.114E-08	1.114E-08	7.606E-09
TOTAL	8.230E-09	8.107E-09	7.939E-09	7.778E-09	7.474E-09	7.072E-09	7.072E-09	7.072E-09	7.072E-09	6.078E-09
		COSINE	500.0	600.0	900.0	RANGE (METERS)	1200.0	1500.0	1800.0	
		COSINE	500.0	600.0	900.0	RANGE (METERS)	1200.0	1500.0	1800.0	
-1.0.CCOCOE 00	1.588E-10	1.33CE-10	6.428E-10	2.608E-11	9.543E-12	3.258E-12	3.258E-12	3.258E-12	3.258E-12	3.258E-12
-9.89401E-01	1.593E-10	1.334E-10	5.447E-11	2.616E-11	9.572E-12	3.268E-12	3.268E-12	3.268E-12	3.268E-12	3.268E-12
-9.44575E-01	1.612E-10	1.350E-10	6.525E-11	2.648E-11	9.694E-12	3.310E-12	3.310E-12	3.310E-12	3.310E-12	3.310E-12
-8.65631E-01	1.639E-10	1.375E-10	6.666E-11	2.716E-11	9.926E-12	3.391E-12	3.391E-12	3.391E-12	3.391E-12	3.391E-12
-7.55044E-01	1.656E-10	1.424E-10	6.910E-11	2.810E-11	1.030E-11	3.519E-12	3.519E-12	3.519E-12	3.519E-12	3.519E-12
-6.17876E-01	1.761E-10	1.496E-10	7.265E-11	2.956E-11	1.084E-11	3.704E-12	3.704E-12	3.704E-12	3.704E-12	3.704E-12
-4.58017E-01	1.909E-10	1.603E-10	7.781E-11	3.163E-11	1.159E-11	3.958E-12	3.958E-12	3.958E-12	3.958E-12	3.958E-12
-2.0.1655E-01	2.099E-10	1.759E-10	8.493E-11	3.443E-11	1.259E-11	4.296E-12	4.296E-12	4.296E-12	4.296E-12	4.296E-12
-9.50125E-02	2.350E-10	1.963E-10	9.419E-11	3.805E-11	1.388E-11	4.731E-12	4.731E-12	4.731E-12	4.731E-12	5.284E-12
-9.50125E-02	2.664E-10	2.217E-10	1.058E-10	4.262E-11	1.552E-11	5.594E-12	5.594E-12	5.594E-12	5.594E-12	5.594E-12
2.81675E-01	3.045E-10	2.531E-10	1.204E-10	4.844E-11	1.762E-11	6.947E-12	6.947E-12	6.947E-12	6.947E-12	6.947E-12
4.58017E-01	3.563E-10	2.944E-10	1.398E-10	5.623E-11	2.048E-11	8.296E-12	8.296E-12	8.296E-12	8.296E-12	8.296E-12
6.17876E-01	4.295E-10	3.563E-10	1.687E-10	6.756E-11	2.448E-11	1.030E-11	1.030E-11	1.030E-11	1.030E-11	1.030E-11
7.55044E-01	5.606E-10	4.62CE-10	2.154E-10	8.25E-11	3.061E-11	1.338E-11	1.338E-11	1.338E-11	1.338E-11	1.338E-11
8.65631E-01	8.133E-10	6.604E-10	2.969E-10	1.145E-10	4.035E-11	5.662E-11	5.662E-11	5.662E-11	5.662E-11	5.827E-11
9.44575E-01	1.391E-09	1.087E-09	4.537E-10	1.666E-10	6.035E-11	9.540E-11	9.540E-11	9.540E-11	9.540E-11	9.817E-11
9.89401E-01	5.149E-09	3.474E-09	1.058E-09	3.193E-10	4.817E-11	2.817E-11	2.817E-11	2.817E-11	2.817E-11	2.817E-11
TOTAL	5.007E-09	3.992E-C9	1.767E-09	6.837E-10	2.429E-10	8.125E-11	8.125E-11	8.125E-11	8.125E-11	8.125E-11

4 PI R**2 NCN IONIZING SILICON KERMA (NEUTRONS)
(CM**2 ERGS/GRAM/STERADIAN/SOURCE NEUTRON)

8.187 TO 10.000 MEV NEUTRON SOURCE

COSINE	75.0	100.0	150.0	RANGE (METERS)	200.0	250.0	300.0	400.0
-1.0000E+00	9.447E-11	1.168E-10	1.501E-10	1.726E-10	1.84CE-10	1.881E-10	1.798E-10	
-9.89401E-01	9.530E-11	1.177E-10	1.511E-10	1.729E-10	1.848E-10	1.889E-10	1.805E-10	
-8.44575E-01	9.682E-11	1.195E-10	1.533E-10	1.753E-10	1.872E-10	1.912E-10	1.826E-10	
-8.55631E-01	9.717E-11	1.207E-10	1.548E-10	1.767E-10	1.886E-10	1.932E-10	1.852E-10	
-7.55044E-01	9.836E-11	1.218E-10	1.569E-10	1.804E-10	1.947E-10	1.996E-10	1.916E-10	
-7.17876E-01	1.027E-10	1.273E-10	1.642E-10	1.901E-10	2.038E-10	2.091E-10	2.009E-10	
-4.58017E-01	1.103E-10	1.362E-10	1.759E-10	2.029E-10	2.239E-10	2.415E-10		
-2.81605E-01	1.221E-10	1.527E-10	1.769E-10	2.261E-10	2.423E-10	2.482E-10	2.376E-10	
-9.50125E-02	1.407E-10	1.752E-10	2.246E-10	2.572E-10	2.747E-10	2.804E-10	2.67CE-10	
9.5C125E-02	1.84E-10	2.379E-10	2.574E-10	2.978E-10	3.168E-10	3.204E-10	3.038E-10	
2.81605E-01	2.816E-10	2.381E-10	3.080E-10	3.416E-10	3.621E-10	3.692E-10	3.482E-10	
4.58017E-01	2.477E-10	2.956E-10	3.425E-10	4.025E-10	4.258E-10	4.300E-10	4.055E-10	
6.17876E-01	3.272E-10	3.842E-10	4.594E-10	5.90E-10	5.240E-10	5.240E-10	4.924E-10	
6.65044E-01	6.658E-10	6.032E-10	6.534E-10	6.640E-10	6.931E-10	6.954E-10	6.477E-10	
8.65631E-01	1.890E-09	1.270E-09	1.073E-09	1.070E-09	1.073E-09	1.057E-09	9.590E-10	
9.44575E-01	3.532E-09	2.375E-09	2.850E-09	2.487E-09	2.530E-09	2.530E-09	1.723E-09	
9.89401E-01	2.024E-08	1.994E-08	1.828E-08	1.586E-08	1.336E-08	1.114E-08	7.606E-09	
TOTAL	8.230E-09	8.107E-09	7.939E-09	7.778E-09	7.474E-09	7.072E-09	6.078E-09	

COSINE	500.0	600.0	900.0	RANGE (METERS)	1200.0	1500.0	1800.0
-1.0000E+00	1.588E-1C	1.33C-10	6.428E-11	2.60E-11	9.543E-12	3.258E-12	
-9.89401E-01	1.593E-10	1.334E-10	6.447E-11	2.616E-11	9.572E-12	3.268E-12	
-8.44575E-01	1.612E-10	6.525E-11	6.648E-11	9.694E-12	3.310E-12	3.310E-12	
-8.65631E-01	1.639E-10	1.375E-10	6.666E-11	2.71CE-11	9.926E-12	3.391E-12	
-7.55044E-01	1.666E-10	1.424E-10	6.910E-11	2.810E-11	1.030E-11	3.519E-12	
-7.17876E-01	1.761E-10	7.265E-11	7.95E-11	3.084E-11	3.704E-12		
-4.58017E-01	1.905E-10	1.603E-10	7.781E-11	3.163E-11	1.159E-11	3.958E-12	
-2.016C5E-01	2.099E-10	1.759E-10	8.493E-11	3.443E-11	1.259E-11	4.296E-12	
-9.50125E-02	2.350E-10	1.963E-10	9.419E-11	3.805E-11	1.388E-11	4.731E-12	
9.50125E-02	2.663E-10	2.217E-10	1.058E-10	4.262E-11	1.552E-11	5.284E-12	
2.81605E-01	3.045E-10	2.531E-10	1.204E-10	4.844E-11	1.762E-11	5.594E-12	
4.58017E-01	3.543E-10	2.944E-10	1.399E-10	5.623E-11	2.044E-11	6.947E-12	
6.17876E-01	4.295E-10	3.563E-10	1.687E-10	6.756E-11	2.448E-11	8.296E-12	
7.55044E-01	5.666E-10	4.622E-10	2.154E-10	8.525E-11	3.061E-11	1.030E-11	
8.65631E-01	8.143E-10	6.604E-10	2.969E-10	1.145E-10	4.035E-11	1.338E-11	
9.44575E-01	1.391E-09	1.087E-09	4.537E-10	1.666E-10	5.662E-11	1.827E-11	
9.89401E-01	5.145E-09	3.474E-09	1.058E-09	3.193E-10	9.540E-11	2.817E-11	
TOTAL	5.007E-09	3.992E-C9	1.767E-09	6.837E-10	2.429E-10	6.125E-11	

⁴ PI R**2 CONCRETE KERMA (GAMMAS)
 (CM**2 ERGS/GRAM/STERADIAN/SOURCE NEUTRON)

8.187 TO 10.000 MEV NEUTRON SOURCE

COSINE	75.0	100.0	150.0	RANGE (METERS)	200.0	250.0	300.0	400.0
-1.00000E-00	1.155E-09	1.329E-09	1.513E-09	1.586E-09	1.583E-09	1.532E-09	1.350E-09	1.350E-09
-9.89401E-01	1.166E-09	1.337E-09	1.525E-09	1.602E-09	1.601E-09	1.552E-09	1.372E-09	1.372E-09
-9.44575E-01	1.191E-09	1.371E-09	1.572E-09	1.660E-09	1.668E-09	1.625E-09	1.450E-09	1.450E-09
-8.65631E-01	1.240E-09	1.432E-09	1.654E-09	1.759E-09	1.778E-09	1.742E-09	1.571E-09	1.571E-09
-7.55044E-01	1.309E-09	1.518E-09	1.763E-09	1.881E-09	1.908E-09	1.874E-09	1.696E-09	1.696E-09
-6.17876E-01	1.402E-09	1.630E-09	1.896E-09	2.025E-09	2.053E-09	2.014E-09	1.816E-09	1.816E-09
-4.58017E-01	1.524E-09	1.777E-09	2.067E-09	2.204E-09	2.229E-09	2.181E-09	1.955E-09	1.955E-09
-2.81605E-01	1.688E-09	1.974E-09	2.298E-09	2.449E-09	2.474E-09	2.417E-09	2.158E-09	2.158E-09
-9.50125E-02	1.907E-09	2.243E-09	2.618E-09	2.797E-09	2.830E-09	2.767E-09	2.476E-09	2.476E-09
9.50125E-02	2.254E-09	3.262E-09	3.781E-09	3.933E-09	3.499E-09	3.249E-09	2.951E-09	2.951E-09
2.81605E-01	3.110E-09	3.175E-09	3.859E-09	3.856E-09	3.928E-09	4.028E-09	3.621E-09	3.621E-09
4.58017E-01	3.594E-09	3.306E-09	4.402E-09	5.125F-09	5.243E-09	5.032E-09	4.595E-09	4.595E-09
6.17876E-01	3.752E-09	5.702E-09	6.818E-09	6.485E-09	6.659E-09	6.726E-09	6.129E-09	6.129E-09
4.917E-01	6.855E-09	7.505E-09	9.376E-09	9.397E-09	9.689E-09	9.560E-09	8.867E-09	8.867E-09
8.65631E-01	8.041E-09	8.904E-09	1.360E-08	1.422E-08	1.507E-08	1.524E-08	1.436E-08	1.436E-08
9.44575E-01	1.272E-08	1.664E-08	2.130E-08	2.549E-08	2.760E-08	2.832E-08	2.747E-08	2.747E-08
9.89401E-01	1.903E-08	2.872E-08	4.440E-08	5.548E-08	6.296E-08	6.744E-08	6.943E-08	6.943E-08
TOTAL	4.005E-08	4.966E-08	6.172E-08	6.930E-08	7.262E-08	7.303E-08	6.871E-08	6.871E-08

COSINE	500.0	600.0	700.0	RANGE (METERS)	800.0	900.0	1000.0	1200.0	1500.0	1800.0
-1.00000E-00	1.128E-09	9.100E-10	4.219E-10	1.774E-10	7.144E-11	2.838E-11				
-9.89401E-01	1.150E-09	9.305E-10	4.373E-10	1.867E-10	7.640E-11	3.097E-11				
-9.44575E-01	1.227E-09	1.003E-09	4.827E-10	2.185E-10	9.073E-11	3.641E-11				
-8.65631E-01	1.342E-09	1.106E-09	5.492E-10	2.495E-10	1.081E-10	4.655E-11				
-7.55044E-01	1.452E-09	1.195E-09	5.984E-10	2.722E-10	1.199E-10	5.253E-11				
-6.17876E-01	1.549E-09	1.273E-09	6.254E-10	2.788E-10	1.208E-10	5.028E-11				
-4.58017E-01	1.655E-09	1.351E-09	6.476E-10	2.804E-10	1.164E-10	4.848E-11				
-2.81605E-01	1.820E-09	1.480E-09	7.017E-10	3.032E-10	1.264E-10	5.235E-11				
-9.50125E-02	2.093E-09	1.706E-09	8.174E-10	3.533E-10	1.512E-10	6.341E-11				
9.50125E-02	2.507E-09	2.656E-09	1.003E-09	4.480E-10	1.935E-10	8.291E-11				
2.81605E-01	3.093E-09	2.546E-09	1.254E-09	5.638E-10	2.441E-10	1.047E-10				
4.58017E-01	3.932E-09	3.240E-09	1.592E-09	7.084E-10	3.020E-10	1.263E-10				
6.17876E-01	5.270E-09	4.355E-09	2.148E-09	9.524E-10	4.012E-10	1.648E-10				
7.55044E-01	7.712E-09	6.444E-09	3.279E-09	1.449E-09	6.512E-10	2.760E-10				
8.65631E-01	1.274E-08	1.085E-08	5.860E-09	2.847E-09	1.318E-09	5.955E-10				
9.44575E-01	2.491E-08	2.168E-08	1.246E-08	6.425E-09	3.145E-09	1.497E-09				
9.89401E-01	6.566E-08	5.904E-08	3.649E-08	1.992E-08	1.022E-08	5.064E-09				
TOTAL	6.067E-09	5.151E-08	2.763E-08	1.343E-08	6.249E-09	2.853E-09				

4 PI R**2 AIR KERMA (GAMMAS)
(CM**2 ERGS/GRAM/STERADIAN/SOURCE NEUTRON)

8.167 TO 10.000 MEV NEUTRON SOURCE

COSINE	75.0	100.0	150.0	RANGE (METERS)	200.0	250.0	300.0	400.0
-1.0000E+00	1.619E-09	2.084E-09	2.422E-09	2.636E-C9	2.746E-09	2.721E-09		
-9.89401E-01	1.327E-09	1.627E-09	2.097E-09	2.438E-09	2.655E-09	2.766E-09	2.743E-09	
-9.44575E-01	1.352E-09	1.660E-C9	2.144E-09	2.497E-09	2.724E-09	2.843E-09	2.827E-09	
-8.65631E-01	1.399E-09	1.720E-09	2.228E-09	2.601E-09	2.842E-09	2.970E-09	2.959E-09	
-7.55445E-01	1.466E-09	1.805E-09	2.339E-09	2.731E-09	2.984E-09	3.118E-09	3.105E-09	
-6.17876E-01	1.556E-C9	1.916E-C9	2.478E-09	2.881E-09	3.148E-09	3.283E-09	3.258E-09	
-4.58017E-01	1.675E-09	2.062E-09	2.656E-09	3.083E-09	3.350E-09	3.483E-09	3.440E-09	
-2.81605E-01	1.832E-09	2.257E-09	2.894E-09	3.371E-09	3.625E-09	3.759E-09	3.695E-09	
-9.5C125E-02	2.044E-09	2.520E-09	3.220E-09	3.714E-09	4.013E-09	4.153E-09	4.070E-09	
9.50125E-02	2.374E-09	3.483E-09	4.413E-09	4.352E-09	4.691E-09	4.683E-09	4.607E-09	
2.81605E-01	3.184E-09	3.415E-09	4.440E-09	4.815E-09	5.187E-09	5.341E-09		
4.58C17E-01	3.629E-09	3.569E-09	5.000E-09	6.057E-09	6.494E-09	6.546E-09	6.376E-09	
6.17876E-01	3.796E-09	5.800E-09	7.279E-09	7.408E-09	7.924E-09	8.245E-09	7.948E-09	
7.55044E-01	4.891E-C9	6.900E-09	7.994E-09	8.019E-09	8.102E-08	8.102E-08	8.065E-08	
8.65631E-01	7.797E-09	8.829E-C9	1.369E-08	1.495E-08	1.597E-08	1.644E-08	1.592E-08	
9.44575E-01	1.213E-08	1.661E-08	2.088E-08	2.529E-08	2.768E-08	2.868E-08	2.821E-08	
9.89401E-01	1.797E-08	2.718E-08	4.224E-08	5.303E-08	6.038E-08	6.483E-08	6.694E-08	
TOTAL	4.072E-C8	5.184E-08	6.779E-09	7.930E-08	8.007E-08	8.917E-08	8.775E-08	

COSINE	500.0	600.0	RANGE (METERS)	900.0	1200.0	1500.0	1800.0
-1.0000E+00	2.487E-09	2.157E-09	1.177E-09	5.032E-10	2.551E-10	1.131E-10	
-9.89401E-01	2.510E-09	2.179E-09	1.193E-09	5.724E-10	2.600E-10	1.156E-10	
-9.44575E-01	2.592E-09	2.255E-C9	1.241E-09	5.971E-10	2.746E-10	1.232E-10	
-8.65631E-01	2.719E-C9	2.370E-09	1.314E-09	6.395E-10	2.935E-10	1.319E-10	
-7.55044E-01	2.852E-09	2.485E-09	1.377E-09	6.022E-10	3.085E-10	1.393E-10	
-6.17876E-01	2.983E-09	2.592E-C9	1.426E-09	6.787E-10	3.142E-10	1.398E-10	
-4.58017E-01	3.138E-09	2.15E-09	1.477E-09	7.038E-10	3.178E-10	1.413E-10	
-2.81605E-01	3.356E-C9	2.896E-09	1.564E-09	7.334E-10	3.357E-10	1.487E-10	
-9.50125E-02	3.690E-09	3.18CE-C9	1.715E-09	8.162E-10	3.686E-10	1.634E-10	
9.50125E-02	4.171E-C9	3.593E-C9	1.939E-09	9.245E-10	4.192E-10	1.864E-10	
2.81605E-01	4.827E-09	4.15CE-09	2.332E-09	1.061E-09	4.791E-10	2.124E-10	
4.58017E-01	5.736E-C9	4.913E-09	2.615E-09	1.228E-09	5.480E-10	2.392E-10	
6.17876E-01	7.126E-09	6.084E-09	3.209E-09	1.693E-09	6.576E-10	2.828E-10	
7.55044E-01	9.556E-09	8.172E-09	4.345E-09	2.042E-09	9.093E-10	3.949E-10	
8.65631E-01	1.439E-08	1.242E-08	6.827E-09	3.336E-09	1.547E-09	7.003E-10	
9.44575E-01	2.580E-08	2.257E-08	1.300E-08	6.679E-09	3.252E-09	1.540E-09	
9.89401E-01	6.337E-08	5.697E-C8	3.507E-08	1.903E-08	9.719E-09	4.793E-09	
TOTAL	7.997E-08	6.940E-08	3.851E-08	1.894E-08	8.842E-09	4.036E-09	

⁴ PI R**2 SILICCN KERMA (GAMMA)
(CM**2 ERGS/GRAM/STERADIAN/SOURCE NEUTRONS)

8.187 TO 10.000 MEV NEUTRON SOURCE

	CCSINE	75.0	100.0	150.0	RANGE (METERS)	200.0	250.0	300.0	400.0
-1.0COCOE 0C	1.190E-09	1.368E-C9	1.569E-09	1.659E-09	1.669E-09	1.629E-09	1.629E-09	1.457E-09	1.457E-09
-9.89401E-01	1.196E-09	1.377E-09	1.582E-09	1.675E-09	1.688E-09	1.649E-09	1.649E-09	1.479E-09	1.479E-09
-9.44575E-01	1.222E-09	1.410E-09	1.629E-09	1.734E-09	1.756E-09	1.724E-09	1.724E-09	1.559E-09	1.559E-09
-8.65631E-01	1.272E-09	1.473E-C9	1.713E-09	1.835E-09	1.868E-09	1.843E-09	1.843E-09	1.683E-09	1.683E-09
-7.55044E-01	1.333E-09	1.560E-09	1.823E-09	1.959E-09	2.000E-09	1.977E-09	1.977E-09	1.810E-09	1.810E-09
-6.17876E-01	1.437E-09	1.674E-09	1.959E-09	2.105E-09	2.119E-09	1.932E-09	1.932E-09	1.719E-09	1.719E-09
-4.58017E-01	1.562E-09	1.824E-09	2.133E-09	2.287E-09	2.327E-09	2.289E-09	2.289E-09	2.071E-09	2.071E-09
-2.81605E-01	1.728E-09	2.025E-09	2.368E-09	2.536E-09	2.575E-09	2.527E-09	2.527E-09	2.277E-09	2.277E-09
-9.50125E-02	1.922E-09	2.299E-09	2.694E-09	2.889E-09	2.936E-09	2.883E-09	2.883E-09	2.599E-09	2.599E-09
9.50125E-02	2.306E-09	3.338E-09	2.855E-09	3.537E-09	3.608E-09	3.371E-09	3.371E-09	3.081E-09	3.081E-09
2.81605E-01	3.176E-09	3.250E-09	3.958E-09	3.964E-09	4.049E-09	4.163E-09	4.163E-09	3.759E-09	3.759E-09
4.58017E-01	3.675E-C9	3.382E-09	4.507E-09	4.507E-09	5.388E-09	5.388E-09	5.388E-09	4.747E-09	4.747E-09
6.17876E-01	3.832E-09	5.827E-09	6.973E-09	6.638E-09	6.825E-09	6.901E-09	6.901E-09	6.302E-09	6.302E-09
7.55044E-01	5.020E-09	7.001E-C9	7.666E-09	9.606E-09	9.910E-09	9.783E-09	9.783E-09	9.083E-09	9.083E-09
8.65631E-C1	8.210E-09	9.900E-C9	1.389E-08	1.472E-08	1.539E-08	1.557E-08	1.557E-08	1.468E-08	1.468E-08
9.44575E-01	1.299E-08	1.694E-08	2.175E-08	2.603E-08	2.818E-08	2.892E-08	2.892E-08	2.805E-08	2.805E-08
9.89401E-01	1.943E-08	2.933E-08	4.535E-08	5.668E-08	6.433E-08	6.891E-08	6.891E-08	7.097E-08	7.097E-08
TOTAL	4.095E-08	5.080E-08	6.323E-08	7.111E-08	7.464E-08	- 7.18E-08	- 7.093E-08		
	COSINE	50.0	60.0	900.0	RANGE (METERS)	1200.0	1500.0	1800.0	
	COSINE	50.0	60.0	900.0	RANGE (METERS)	1200.0	1500.0	1800.0	
-1.00000E-00	1.234E-05	1.006E-09	4.790E-10	2.056E-10	8.443E-11	3.419E-11	3.419E-11	3.419E-11	
-9.89401E-C1	1.256E-05	1.027E-09	4.948E-10	2.150E-10	8.951E-11	3.684E-11	3.684E-11	3.684E-11	
-9.44575E-01	1.234E-09	1.101E-C9	5.412E-10	2.099E-10	1.042E-10	4.447E-11	4.447E-11	4.447E-11	
-8.65631E-01	1.452E-09	1.207E-C9	6.091E-10	2.794E-10	1.220E-10	5.281E-11	5.281E-11	5.281E-11	
-7.55044E-01	1.564E-09	1.302E-09	6.592E-10	3.024E-10	1.340E-10	5.889E-11	5.889E-11	5.889E-11	
-6.17876E-01	1.662E-09	1.376E-09	6.862E-10	3.090E-10	1.300E-10	5.652E-11	5.652E-11	5.652E-11	
-4.58017E-01	1.785E-C9	1.456E-09	7.081E-10	3.101E-10	1.300E-10	5.457E-11	5.457E-11	5.457E-11	
-2.81605E-01	1.935E-09	1.584E-C9	7.621E-10	3.28E-10	1.339E-10	5.638E-11	5.638E-11	5.638E-11	
-9.50125E-02	2.211E-09	1.813E-09	8.789E-10	3.884E-10	1.650E-10	6.954E-11	6.954E-11	6.954E-11	
9.50125E-02	2.631E-09	2.166E-09	1.067E-09	4.190E-10	2.078E-10	8.927E-11	8.927E-11	8.927E-11	
2.81605E-01	3.224E-09	2.662E-09	1.320E-09	5.919E-10	2.587E-10	1.112E-10	1.112E-10	1.112E-10	
4.58017E-01	3.675E-C9	3.364E-09	1.661E-09	7.413E-10	3.167E-10	1.328E-10	1.328E-10	1.328E-10	
6.17876E-01	5.428E-09	4.492E-C9	2.222E-09	9.868E-10	4.162E-10	1.711E-10	1.711E-10	1.711E-10	
7.55044E-01	7.9C7E-09	6.611E-C9	3.367E-09	1.539E-09	6.689E-10	2.834E-10	2.834E-10	2.834E-10	
8.65631E-01	1.302E-08	1.110E-08	5.991E-09	2.910E-09	1.346E-09	6.082E-10	6.082E-10	6.082E-10	
9.44575E-01	2.544E-08	2.214E-08	1.272E-08	6.562E-09	3.212E-09	1.529E-09	1.529E-09	1.529E-09	
9.89401E-C1	6.713E-08	6.038E-08	3.734E-08	2.039E-08	1.047E-08	5.190E-09	5.190E-09	5.190E-09	
TOTAL	6.277E-08	5.337E-C8	2.87CE-08	1.396E-08	6.499E-09	2.967E-09			

4 PI R**2 FLUENCE AT 75.0 METERS

6.36 TO 8.187 MEV NEUTRON SOURCE

(NEUTRONS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=0.0000	ANGLE 2 MU=0.9894	ANGLE 3 MU=0.9646	ANGLE 4 MU=0.8656	ANGLE 5 MU=0.7550	ANGLE 6 MU=0.6179	ANGLE 7 MU=0.4580	ANGLE 8 MU=0.2816	ANGLE 9 MU=0.0950
1.22E 01 --- 1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01 --- 1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00 --- 1.00E 01	-2.021E-04	-1.507E-04	-2.700E-05	-3.299E-05	1.454E-04	2.240E-04	3.331E-04	5.228E-04	8.674E-04
6.36E 00 --- 8.19E 00	-2.700E-05	6.203E-03	5.931E-03	5.603E-03	5.498E-03	5.798E-03	6.522E-03	7.584E-03	8.787E-03
4.97E 00 --- 6.36E 00	6.287E-03	4.269E-03	4.206E-03	4.115E-03	4.045E-03	4.037E-03	4.118E-03	4.592E-03	4.592E-03
4.07E 00 --- 4.97E 00	4.287E-03	2.243E-03	2.246E-03	2.254E-03	2.273E-03	2.309E-03	2.364E-03	2.462E-03	2.598E-03
3.01E 00 --- 4.07E 00	2.243E-03	2.124E-03	2.138E-03	2.167E-03	2.212E-03	2.277E-03	2.364E-03	2.482E-03	2.639E-03
2.46E 00 --- 3.01E 00	2.120E-03	2.666E-03	2.679E-03	2.706E-03	2.750E-03	2.817E-03	2.93E-03	3.047E-03	3.230E-03
2.35E 00 --- 2.46E 00	2.663E-03	1.757E-03	1.761E-03	1.775E-03	1.803E-03	1.847E-03	1.909E-03	2.101E-03	2.243E-03
1.83E 00 --- 2.35E 00	1.757E-03	1.783E-03	1.799E-03	1.833E-03	1.883E-03	1.953E-03	2.05E-03	2.164E-03	2.317E-03
1.11E 00 --- 1.83E 00	1.778E-03	2.784E-03	2.805E-03	2.848E-03	2.912E-03	3.000E-03	3.115E-03	3.264E-03	3.453E-03
5.50E-01 --- 1.11E 00	2.778E-03	3.900E-03	3.922E-03	3.943E-03	4.025E-03	4.107E-03	4.211E-03	4.339E-03	4.494E-03
1.11E-01 --- 5.50E-01	3.895E-03	3.900E-03	3.922E-03	3.943E-03	4.025E-03	4.107E-03	4.211E-03	4.339E-03	4.494E-03
3.35E-02 --- 1.11E-01	1.598E-02	2.000E-02	2.044E-02	2.064E-02	2.026E-02	2.042E-02	2.064E-02	2.086E-02	2.113E-02
5.83E-04 --- 3.35E-02	1.586E-02	1.587E-02	1.589E-02	1.594E-02	1.600E-02	1.608E-02	1.617E-02	1.628E-02	1.640E-02
1.01E-04 --- 5.83E-04	9.006E-01	9.009E-01	9.019E-01	9.038E-01	9.065E-01	9.109E-01	9.186E-01	9.235E-01	9.287E-01
2.90E-05 --- 1.01E-04	3.764E-00	3.765E-00	3.768E-00	3.775E-00	3.785E-00	3.797E-00	3.811E-00	3.827E-00	3.844E-00
1.07E-05 --- 2.90E-05	1.074E-01	1.075E-01	1.075E-01	1.077E-01	1.079E-01	1.082E-01	1.086E-01	1.090E-01	1.094E-01
3.06E-06 --- 1.07E-05	2.808E-01	2.809E-01	2.811E-01	2.815E-01	2.821E-01	2.837E-01	2.857E-01	2.877E-01	2.897E-01
1.12E-06 --- 3.06E-06	7.394E-01	7.395E-01	7.401E-01	7.411E-01	7.425E-01	7.443E-01	7.464E-01	7.487E-01	7.512E-01
4.14E-07 --- 1.12E-06	1.594E-02	1.595E-02	1.595E-02	1.598E-02	1.601E-02	1.604E-02	1.609E-02	1.613E-02	1.618E-02
0.0 --- 4.14E-07	2.281E-02	2.283E-02	2.284E-02	2.291E-02	2.295E-02	2.301E-02	2.306E-02	2.312E-02	2.317E-02
ENERGY GROUP (MEV)	ANGLE 10 MU= 0.0950	ANGLE 11 MU= 0.2836	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9894	SCALAR FLUX
1.22E 01 --- 1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01 --- 1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00 --- 1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00 --- 8.19E 00	1.283E-03	4.651E-03	4.502E-03	4.094E-02	3.681E-02	3.070E-01	2.975E-02	2.439E-02	5.105E-01
4.97E 00 --- 6.36E 00	1.033E-02	1.330E-02	1.505E-02	1.444E-02	1.778E-02	1.122E-02	1.122E-02	1.439E-02	1.660E-02
4.07E 00 --- 4.97E 00	5.146E-03	5.905E-03	6.356E-03	6.746E-03	8.268E-03	8.268E-03	8.663E-02	6.549E-02	6.549E-02
3.01E 00 --- 4.07E 00	2.851E-03	3.474E-03	3.722E-03	4.161E-03	4.728E-03	9.01E-03	9.01E-03	7.422E-02	7.422E-02
2.46E 00 --- 3.01E 00	2.902E-03	3.264E-03	3.538E-03	3.783E-03	5.703E-03	7.291E-03	9.110E-03	4.068E-02	4.068E-02
2.35E 00 --- 2.46E 00	3.537E-03	3.961E-03	4.291E-03	4.593E-03	5.366E-03	6.837E-03	8.672E-03	1.077E-02	4.951E-02
1.83E 00 --- 2.35E 00	2.477E-03	2.798E-03	3.024E-03	3.200E-03	3.733E-03	4.828E-03	6.244E-03	7.891E-03	5.449E-02
1.11E 00 --- 1.83E 00	2.575E-03	2.930E-03	3.164E-03	3.328E-03	3.896E-03	5.095E-03	6.650E-03	8.413E-03	3.588E-02
5.50E 00 --- 1.11E 00	3.760E-03	4.174E-03	4.461E-03	4.683E-03	5.342E-03	6.661E-03	8.311E-03	1.012E-02	5.109E-02
1.11E 00 --- 5.50E 01	4.720E-03	5.004E-03	5.211E-03	5.331E-03	5.773E-03	6.459E-03	7.233E-03	7.973E-03	6.091E-02
2.75E 00 --- 1.11E 01	2.155E-02	2.240E-02	2.254E-02	2.142E-02	2.196E-02	2.438E-02	2.362E-02	2.251E-02	2.696E-01
5.83E 00 --- 3.35E 02	1.653E-02	1.666E-02	1.678E-02	1.690E-02	1.702E-02	1.712E-02	1.724E-02	2.072E-02	2.072E-02
1.01E 00 --- 5.83E 04	9.287E-01	9.339E-01	9.436E-01	9.477E-01	9.512E-01	9.538E-01	9.548E-01	1.165E-01	1.165E-01
2.90E 00 --- 1.01E 04	3.862E 00	3.880E 00	3.897E 00	3.926E 00	3.937E 00	3.949E 00	4.843E 00	4.843E 00	4.843E 00
1.07E 00 --- 2.90E 05	1.099E 01	1.104E 01	1.112E 01	1.115E 01	1.120E 01	1.121E 01	1.121E 01	1.378E 02	1.378E 02
3.06E 00 --- 1.07E 05	2.868E 01	2.878E 01	2.888E 01	2.897E 01	2.905E 01	2.911E 01	2.911E 01	3.597E 02	3.597E 02
1.12E 00 --- 3.06E 06	7.538E 01	7.563E 01	7.588E 01	7.609E 01	7.628E 01	7.644E 01	7.655E 01	9.458E 02	9.458E 02
1.41E 00 --- 1.12E 06	1.623E 02	1.628E 02	1.633E 02	1.638E 02	1.641E 02	1.645E 02	1.647E 02	2.037E 03	2.037E 03
C.0 --- 4.14E 07	2.319E 02	2.325E 02	2.331E 02	2.337E 02	2.342E 02	2.348E 02	2.354E 02	2.354E 02	2.910E 03

4 PI R**2 FLUENCE AT 150.0 METERS

6.36 TO 8.187 MEV NEUTRON SOURCE

(NEUTRONS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=-1.0000	ANGLE 2 MU=-0.9894	ANGLE 3 MU=-0.9446	ANGLE 4 MU=-0.8656	ANGLE 5 MU=-0.7550	ANGLE 6 MU=-0.6179	ANGLE 7 MU=-0.4580	ANGLE 8 MU=-0.2816	ANGLE 9 MU=0.0950
1.22E 01---1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01---1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00---1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00---8.19E 00	-2.342E-04	-1.710E-04	-6.050E-06	8.652E-05	2.306E-04	3.035E-04	4.038E-04	6.618E-04	1.141E-03
4.97E 00---6.36E 00	7.064E-03	6.447E-03	6.564E-03	6.115E-03	6.003E-03	6.465E-03	7.514E-03	8.955E-03	1.050E-02
4.07E 00---4.97E 00	6.442E-03	6.428E-03	6.382E-03	6.336E-03	6.349E-03	6.473E-03	6.741E-03	7.199E-03	7.770E-03
3.01E 00---4.07E 00	4.273E-03	4.267E-03	4.267E-03	4.267E-03	4.293E-03	4.293E-03	4.334E-03	4.436E-03	4.887E-03
2.46E 00---3.01E 00	4.433E-03	4.440E-03	4.468E-03	4.522E-03	4.620E-03	4.755E-03	4.946E-03	5.222E-03	5.575E-03
2.35E 00---2.46E 00	5.763E-03	5.769E-03	5.793E-03	5.847E-03	5.941E-03	6.090E-03	6.317E-03	6.655E-03	7.107E-03
1.83E 00---2.35E 00	3.914E-03	3.942E-03	3.954E-03	4.020E-03	4.123E-03	4.270E-03	4.471E-03	4.78E-03	5.078E-03
1.11E 00---1.83E 00	3.925E-03	3.935E-03	3.973E-03	4.048E-03	4.160E-03	4.315E-03	4.517E-03	4.777E-03	5.107E-03
5.50E-01---1.11E 00	6.569E-03	6.583E-03	6.637E-03	6.743E-03	6.901E-03	7.118E-03	7.400E-03	7.759E-03	8.211E-03
3.11E-01---5.50E-01	1.064E-02	1.066E-02	1.072E-02	1.085E-02	1.127E-02	1.127E-02	1.158E-02	1.239E-02	1.294E-02
3.35E-02---1.11E-01	6.447E-02	6.452E-02	6.473E-02	6.511E-02	6.567E-02	6.638E-02	6.724E-02	6.855E-02	6.940E-02
5.83E-04---3.35E-02	5.393E-02	5.396E-02	5.431E-02	5.463E-02	5.504E-02	5.554E-02	5.611E-02	5.673E-02	5.673E-02
1.01E-04---5.83E-04	3.153E-00	3.155E-00	3.161E-00	3.172E-00	3.188E-00	3.208E-00	3.232E-00	3.259E-00	3.269E-00
2.90E-05---1.01E-04	1.338E-01	1.338E-01	1.341E-01	1.345E-01	1.351E-01	1.358E-01	1.367E-01	1.378E-01	1.388E-01
1.07E-05---2.90E-05	3.852E-01	3.853E-01	3.859E-01	3.871E-01	3.887E-01	3.907E-01	3.931E-01	3.958E-01	3.987E-01
3.06E-06---1.07E-05	1.016E-02	1.017E-02	1.018E-02	1.021E-02	1.025E-02	1.030E-02	1.035E-02	1.042E-02	1.049E-02
4.12E-06---3.06E-06	2.692E-02	2.692E-02	2.696E-02	2.703E-02	2.713E-02	2.725E-02	2.739E-02	2.772E-02	2.775E-02
4.14E-07---1.12E-06	5.832E-02	5.834E-02	5.841E-02	5.855E-02	5.875E-02	5.899E-02	5.929E-02	5.951E-02	5.996E-02
0.0	8.385E-02	8.388E-02	8.400E-02	8.420E-02	8.447E-02	8.480E-02	8.517E-02	8.556E-02	8.599E-02

ENERGY GROUP (MEV)	ANGLE 11 MU= 0.0950	ANGLE 12 MU= 0.2816	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9894	SCALAR FLUX
1.22E 01---1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01---1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00---1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00---8.19E 00	2.288E-03	2.072E-03	3.868E-03	5.762E-03	1.236E-02	2.607E-02	1.629E-01	1.477E-00
4.97E 00---6.36E 00	9.996E-03	9.996E-03	1.027E-02	2.092E-02	2.092E-02	2.572E-02	2.076E-01	3.646E-01
4.07E 00---4.97E 00	1.102E-02	8.077E-03	1.161E-02	1.381E-02	1.531E-02	2.189E-02	2.789E-02	4.149E-02
3.01E 00---4.07E 00	6.273E-03	5.422E-03	6.765E-03	7.964E-03	8.872E-03	1.185E-02	1.473E-02	2.082E-02
2.46E 00---3.01E 00	6.985E-03	6.139E-03	8.995E-03	9.955E-03	1.001E-02	1.315E-02	1.627E-02	2.329E-02
2.35E 00---2.46E 00	8.755E-03	7.924E-03	9.932E-03	1.143E-02	1.279E-02	1.656E-02	2.093E-02	1.135E-01
1.83E 00---2.35E 00	6.402E-03	5.528E-03	6.660E-03	7.899E-03	8.554E-03	1.100E-02	1.328E-02	1.886E-02
1.11E 00---1.83E 00	6.627E-03	5.398E-03	6.775E-03	7.809E-03	8.266E-03	1.06CE-02	1.270E-02	1.777E-02
5.50E-01---1.11E 00	9.955E-03	8.772E-03	1.042E-02	1.169E-02	1.293E-02	1.517E-02	1.751E-02	2.298E-02
1.11E-01---5.50E-01	1.362E-02	1.311E-02	1.421E-02	1.512E-02	1.566E-02	1.712E-02	1.817E-02	2.005E-02
3.35E-02---1.11E-01	7.319E-02	7.164E-02	7.194E-02	7.652E-02	7.453E-02	7.796E-02	7.913E-02	1.661E-02
5.83E-04---3.35E-02	5.740E-02	5.808E-02	5.778E-02	5.841E-02	5.944E-02	6.044E-02	6.095E-02	7.191E-01
1.01E-04---5.83E-04	3.320E-00	3.252E-00	3.383E-00	3.413E-00	3.439E-00	3.477E-00	3.496E-00	4.159E-01
2.90E-05---1.01E-04	1.400E-01	1.411E-01	1.423E-01	1.433E-01	1.444E-01	1.450E-01	1.456E-01	1.754E-02
1.07E-05---2.90E-05	4.017E-01	4.048E-01	4.077E-01	4.105E-01	4.129E-01	4.149E-01	4.172E-01	5.033E-02
3.06E-06---1.07E-05	1.056E-02	1.064E-02	1.071E-02	1.077E-02	1.083E-02	1.091E-02	1.093E-02	1.324E-03
1.12E-06---3.06E-06	2.790E-02	2.808E-02	2.825E-02	2.841E-02	2.855E-02	2.866E-02	2.875E-02	3.497E-03
4.14E-07---1.12E-06	6.033E-02	6.069E-02	6.104E-02	6.136E-02	6.164E-02	6.186E-02	6.203E-02	6.212E-02
0.0	8.644E-02	8.690E-02	8.735E-02	8.777E-02	8.812E-02	8.839E-02	8.857E-02	8.865E-02

4 PI R**2 FLUENCE AT 200.0 METERS

6.36 TO 8.187 MEV NEUTRON SOURCE

(NEUTRONS/MEV/STERADIAN/SOURCE NEUTRON)									
ENERGY GROUP (MEV)	ANGLE 1 MU=-1.0000	ANGLE 2 MU=-0.9894	ANGLE 3 MU=-0.9446	ANGLE 4 MU=-0.8656	ANGLE 5 MU=-0.7550	ANGLE 6 MU=-0.6179	ANGLE 7 MU=-0.4580	ANGLE 8 MU=-0.2816	ANGLE 9 MU=-0.0950
1.22E 01----1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01----1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00----1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00----8.19E 00	-2.051E-04	-1.459E-04	1.073E-05	1.080E-04	2.509E-04	3.210E-04	4.263E-04	6.997E-04	1.196E-03
4.97E 00----6.36E 00	6.768E-03	6.656E-03	6.289E-03	5.875E-03	5.914E-03	6.333E-03	7.433E-03	8.904E-03	1.047E-02
4.07E 00----4.97E 00	6.908E-03	6.900E-03	6.877E-03	6.873E-03	6.944E-03	7.138E-03	7.48E-03	8.001E-03	8.706E-03
3.01E 00----4.07E 00	5.033E-03	5.030E-03	5.022E-03	5.015E-03	5.030E-03	5.085E-03	5.206E-03	5.754E-03	6.492E-03
2.46E 00----3.01E 00	5.481E-03	5.496E-03	5.531E-03	5.604E-03	5.720E-03	5.892E-03	6.139E-03	6.495E-03	6.961E-03
2.35E 00----2.46E 00	7.242E-03	7.281E-03	7.322E-03	7.477E-03	7.680E-03	7.990E-03	8.445E-03	9.085E-03	9.678E-03
1.83E 00----2.35E 00	5.073E-03	5.084E-03	5.128E-03	5.219E-03	5.361E-03	5.564E-03	5.844E-03	6.207E-03	6.736E-03
1.11E 00----1.83E 00	5.157E-03	5.170E-03	5.221E-03	5.474E-03	5.682E-03	5.955E-03	6.302E-03	6.736E-03	7.364E-03
5.50E-01----1.11E 00	8.871E-03	8.890E-03	8.967E-03	9.118E-03	9.342E-03	9.646E-03	1.004E-02	1.054E-02	1.116E-02
1.11E-01----5.50E-01	1.524E-02	1.534E-02	1.534E-02	1.533E-02	1.533E-02	1.580E-02	1.616E-02	1.661E-02	1.780E-02
3.35E-02----1.11E-01	9.846E-02	9.890E-02	9.936E-02	9.956E-02	9.956E-02	1.017E-01	1.049E-01	1.068E-01	1.094E-01
5.83E-04----3.35E-02	8.436E-02	8.430E-02	8.458E-02	8.500E-02	8.558E-02	8.633E-02	8.722E-02	8.825E-02	8.938E-02
1.01E-04----5.83E-04	5.009E-00	5.012E-00	5.023E-00	5.045E-00	5.075E-00	5.113E-00	5.156E-00	5.210E-00	5.267E-00
2.90E-05----1.01E-04	2.146E-01	2.152E-01	2.158E-01	2.170E-01	2.185E-01	2.205E-01	2.222E-01	2.244E-01	2.264E-01
1.07E-05----2.90E-05	6.235E-01	6.238E-01	6.250E-01	6.282E-01	6.322E-01	6.370E-01	6.424E-01	6.483E-01	6.543E-01
3.06E-06----1.07E-05	1.650E-02	1.650E-02	1.653E-02	1.659E-02	1.667E-02	1.677E-02	1.688E-02	1.702E-02	1.716E-02
1.12E-06----3.06E-06	4.388E-02	4.390E-02	4.397E-02	4.411E-02	4.431E-02	4.456E-02	4.485E-02	4.518E-02	4.554E-02
4.14E-07----1.12E-06	9.544E-02	9.561E-02	9.590E-02	9.631E-02	9.682E-02	9.742E-02	9.810E-02	9.884E-02	9.942E-02
0.0 ----4.14E-07	1.377E-03	1.378E-03	1.384E-03	1.390E-03	1.397E-03	1.404E-03	1.413E-03	1.422E-03	1.428E-03
ENERGY GROUP (MEV)	ANGLE 10 MU= 0.0950	ANGLE 11 MU= 0.2816	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9894	SCALAR FLUX
1.22E 01----1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01----1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00----1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00----8.19E 00	1.539E-03	2.864E-03	3.475E-03	6.284E-03	1.256E-02	3.194E-02	1.213E-01	1.236E-00	3.053E-01
4.97E 00----6.36E 00	1.308E-02	1.269E-02	1.685E-02	1.936E-02	2.830E-02	4.234E-02	6.933E-02	1.411E-01	2.133E-01
4.07E 00----4.97E 00	8.311E-03	1.170E-02	1.710E-02	1.616E-02	1.840E-02	2.548E-02	3.390E-02	1.513E-02	1.506E-01
3.01E 00----4.07E 00	5.710E-03	7.437E-03	7.561E-03	9.705E-03	1.101E-02	1.431E-02	1.820E-02	2.558E-02	4.429E-02
2.46E 00----3.01E 00	7.129E-03	9.309E-03	9.935E-03	1.165E-02	1.326E-02	1.593E-02	2.153E-02	3.063E-02	1.124E-01
2.35E 00----2.46E 00	1.164E-02	2.322E-02	1.524E-02	1.743E-02	2.044E-02	2.793E-02	3.048E-02	4.711E-02	1.471E-01
1.83E 00----2.35E 00	6.798E-03	8.462E-03	8.640E-03	1.160E-02	1.432E-02	1.788E-02	2.415E-02	3.022E-02	1.022E-01
1.11E 00----1.83E 00	6.630E-03	8.480E-03	8.249E-03	1.056E-02	1.094E-02	1.339E-02	1.591E-02	2.138E-02	9.991E-02
5.50E 00----1.11E 00	1.126E-02	1.344E-02	1.355E-02	1.616E-02	1.840E-02	2.548E-02	3.390E-02	4.601E-02	1.601E-01
1.11E 00----5.50E 00	1.810E-02	1.975E-02	2.010E-02	2.169E-02	2.414E-02	2.812E-02	3.566E-02	4.738E-02	2.366E-01
3.35E 00----3.35E 00	1.071E-01	1.123E-01	1.126E-01	1.161E-01	1.176E-01	1.200E-01	1.213E-01	1.225E-01	1.361E-00
5.82E 00----3.35E 00	9.561E-02	9.311E-02	9.186E-02	9.411E-02	9.540E-02	9.634E-02	9.703E-02	9.745E-02	1.135E-00
1.01E 00----5.83E 00	5.327E-01	5.449E-01	5.508E-01	5.558E-01	5.632E-01	5.660E-01	5.670E-01	5.670E-01	5.670E-01
2.90E 00----1.01E 00	2.266E-01	2.289F-01	2.312E-01	2.333E-01	2.367E-01	2.379E-01	2.385E-01	2.385E-01	2.385E-01
1.07E 00----2.90E 00	6.544E-01	6.606E-01	6.667E-01	6.724E-01	6.774E-01	6.815E-01	6.845E-01	6.862E-01	6.862E-01
3.66E 00----1.07E 00	1.731E-02	1.746E-02	1.771E-02	1.775E-02	1.787E-02	1.796E-02	1.808E-02	1.808E-02	1.808E-02
1.12E 00----3.66E 00	4.591E-02	4.629E-02	4.665E-02	4.699E-02	4.729E-02	4.753E-02	4.770E-02	4.780E-02	5.751E-03
6.14E-07----1.12E-06	9.960E-02	1.011E-03	1.018E-03	1.024E-03	1.029E-03	1.032E-03	1.035E-03	1.035E-03	1.248E-04
4.14E-07----4.14E-07	1.431E-03	1.441E-03	1.451E-03	1.460E-03	1.467E-03	1.473E-03	1.479E-03	1.479E-03	1.479E-03

4 PI R**2 FLUENCE AT 300.0 METERS

6.36 TO 8.187 MEV NEUTRON SOURCE

(NEUTRONS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU= -1.0000	ANGLE 2 MU= -0.9894	ANGLE 3 MU= -0.9446	ANGLE 4 MU= -0.8656	ANGLE 5 MU= -0.7550	ANGLE 6 MU= -0.6179	ANGLE 7 MU= -0.4580	ANGLE 8 MU= -0.2816	ANGLE 9 MU= -0.0950
1.22E 01---1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01---1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00---1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00---8.19E 00	-1.325E-04	-8.757E-05	5.288E-05	1.292E-04	2.681E-04	2.896E-04	4.020E-04	6.641E-04	1.129E-03
4.97E 00---6.36E 00	5.538E-03	5.451E-03	5.172E-03	4.81E-03	4.909E-03	5.431E-03	6.436E-03	7.733E-03	9.085E-03
4.07E 00---4.97E 00	6.594E-03	6.595E-03	6.608E-03	6.663E-03	6.802E-03	7.060E-03	7.463E-03	8.030E-03	8.788E-03
3.01E 00---4.07E 00	5.428E-03	5.425E-03	5.433E-03	5.402E-03	5.416E-03	5.479E-03	5.620E-03	5.872E-03	6.274E-03
2.46E 00---3.01E 00	6.381E-03	6.391E-03	6.433E-03	6.521E-03	6.661E-03	6.875E-03	7.187E-03	7.634E-03	8.264E-03
2.35E 00---2.46E 00	8.609E-03	8.619E-03	8.664E-03	8.769E-03	8.939E-03	9.224E-03	9.662E-03	1.031E-02	1.123E-02
1.83E 00---2.35E 00	6.423E-03	6.438E-03	6.502E-03	6.630E-03	6.829E-03	7.116E-03	7.510E-03	8.032E-03	8.708E-03
1.11E 00---1.83E 00	6.807E-03	6.879E-03	6.879E-03	7.021E-03	7.232E-03	7.523E-03	7.903E-03	8.386E-03	8.991E-03
5.50E-01---1.11E 00	1.221F-02	1.224E-02	1.235E-02	1.258E-02	1.291E-02	1.337E-02	1.396E-02	1.470E-02	1.562E-02
1.11E-01---5.50E-01	2.269E-02	2.273E-02	2.289E-02	2.319E-02	2.363E-02	2.426E-02	2.493E-02	2.580E-02	2.682E-02
3.35E-02---1.11E-01	1.607E-01	1.615E-01	1.628E-01	1.645E-01	1.669E-01	1.695E-01	1.727E-01	1.763E-01	1.773E-01
5.83E-04---3.35E-02	1.422E-01	1.422E-01	1.427E-01	1.435E-01	1.447E-01	1.462E-01	1.480E-01	1.500E-01	1.523E-01
1.01E-04---5.83E-04	8.650E-00	8.656E-00	8.681E-00	8.727E-00	8.790E-00	8.872E-00	8.969E-00	9.081E-00	9.203E-00
2.90F-05---1.01E-04	3.762E-01	3.772E-01	3.790E-01	3.816E-01	3.848E-01	3.884E-01	3.932E-01	3.980E-01	4.030E-01
1.07E-05---2.90E-05	1.102E-02	1.102E-02	1.104E-02	1.109E-02	1.117E-02	1.126E-02	1.137E-02	1.149E-02	1.163E-02
3.06E-06---1.07E-05	2.957E-02	2.959E-02	2.966E-02	2.979E-02	2.997E-02	3.021E-02	3.049E-02	3.080E-02	3.114E-02
1.12E-06---3.06E-06	7.932E-02	7.936E-02	7.954E-02	7.988E-02	8.035E-02	8.095E-02	8.166E-02	8.246E-02	8.333E-02
4.14E-07---1.12E-06	1.737E-03	1.738E-03	1.742E-03	1.749E-03	1.759E-03	1.772E-03	1.786E-03	1.803E-03	1.822E-03
0.0	-4.14E-07	2.527E-03	2.529E-03	2.534E-03	2.545E-03	2.558E-03	2.575E-03	2.594E-03	2.638E-03
ENERGY GROUP (MEV)	ANGLE 10 MU= 0.0950	ANGLE 11 MU= 0.2815	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9894	SCALAR FLUX
1.22E 01---1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01---1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00---1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00---6.36E 00	1.810E-03	2.394E-03	3.509E-03	5.729E-03	1.202E-02	2.847E-02	8.468E-02	8.094E-02	2.147E-01
4.97E 00---4.97E 00	1.206E-02	1.012E-02	1.379E-02	1.795E-02	2.460E-02	3.795E-02	6.533E-02	1.370E-01	1.896E-01
4.07E 00---4.07E 00	1.015E-02	1.342E-02	1.589E-02	2.061E-02	2.699E-02	3.800E-02	5.714E-02	1.057E-01	1.055F-01
3.01E 00---4.07E 00	7.020E-03	9.045E-03	1.054E-02	1.303E-02	1.617E-02	2.105E-02	2.870E-02	3.070E-02	1.055F-01
2.46E 00---3.01E 00	9.252E-03	1.023E-02	1.205E-02	1.412E-02	1.732E-02	2.153E-02	2.809E-02	3.932E-02	1.384E-01
2.35E 00---2.46E 00	1.262E-02	1.433E-02	1.621E-02	1.740E-02	1.846E-02	2.403E-02	2.982E-02	3.410E-02	1.897E-01
1.82E 00---2.35E 00	9.695E-03	1.056E-02	1.170E-02	1.360E-02	1.605E-02	1.886E-02	2.309E-02	3.021E-02	1.347E-01
1.11E 00---1.82E 00	9.918E-03	1.050E-02	1.188E-02	1.303E-02	1.489E-02	1.688E-02	1.988E-02	2.450E-02	1.320E-01
5.50E 01---1.11E 00	1.693E-02	1.794E-02	1.884E-02	2.155E-02	2.406E-02	2.614E-02	3.049E-02	3.586E-02	2.224E-01
1.11E-01---5.50E-01	2.815E-02	2.919E-02	3.085E-02	3.227E-02	3.406E-02	3.566E-02	3.742E-02	3.895E-02	3.554E-01
3.35E-02---1.11E-01	1.811E-01	1.838E-01	1.889E-01	1.924E-01	1.948E-01	1.998E-01	2.027E-01	2.041E-01	2.257E-01
5.82E-04---3.35E-02	1.547E-01	1.572E-01	1.598E-01	1.622E-01	1.644E-01	1.663E-01	1.676E-01	1.693E-01	1.707E-01
1.01E-04---5.83E-04	9.333E-00	9.466E-00	9.538E-00	9.723E-00	9.826E-00	9.929E-00	9.998E-00	1.004E-01	1.168E-02
2.90E-05---1.01E-04	4.032E-01	4.084E-01	4.136E-01	4.184E-01	4.228E-01	4.264E-01	4.290E-01	4.305E-01	5.046E-02
1.07E-05---2.90E-05	1.177E-02	1.192E-02	1.206E-02	1.220E-02	1.231E-02	1.241E-02	1.249E-02	1.253E-02	1.673E-03
3.06E-06---1.07E-05	3.150E-02	3.187E-02	3.238E-02	3.256E-02	3.286E-02	3.311E-02	3.339E-02	3.359E-02	3.943E-03
1.12E-06---3.06E-06	8.425E-02	8.518E-02	8.608E-02	8.693E-02	8.768E-02	8.829E-02	8.900E-02	8.955E-02	1.055E-04
4.14E-07---1.12E-06	1.841E-03	1.860F-03	1.879E-03	1.896E-03	1.912E-03	1.924E-03	1.934E-03	1.939E-03	2.304E-04
0.0	-4.14E-07	2.662E-03	2.687E-03	2.712E-03	2.735E-03	2.755E-03	2.771E-03	2.787E-03	3.335E-04

4 PI R**2 FLUENCE AT 400.0 METERS

6.36 TO 8.167 MEV NEUTRON SOURCE

(NEUTRONS/MEV/STERADIAN/SOURCE NEUTRON)												
ENERGY GROUP (MEV)	ANGLE 1 MU=-1.0000	ANGLE 2 MU=0.9894	ANGLE 3 MU=-0.9446	ANGLE 4 MU=0.8656	ANGLE 5 MU=-0.7550	ANGLE 6 MU=-0.6179	ANGLE 7 MU=0.4580	ANGLE 8 MU=-0.2816	ANGLE 9 MU=-0.0950	SCALAR FLUX		
1.22E 01----1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1.00E 01----1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8.19E 00----1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6.36E 00----8.19E 00	-7.64E-05	-4.506E-05	2.140E-05	1.376E-04	2.044E-04	2.494E-04	4.298E-03	3.848E-03	4.915E-04	9.653E-04	9.525E-04	
4.97E 00----6.36E 00	4.210E-03	4.150E-03	3.959E-03	3.777E-03	3.848E-03	5.111E-03	6.138E-03	7.197E-03	6.456E-03	7.655E-03	7.655E-03	
4.07E 00----4.97E 00	5.557E-03	5.562E-03	5.592E-03	5.671E-03	5.824E-03	6.080E-03	6.456E-03	6.456E-03	6.456E-03	6.456E-03	6.456E-03	
3.01E 00----4.07E 00	4.942E-03	4.939E-03	4.927E-03	4.918E-03	4.918E-03	4.918E-03	4.918E-03	4.918E-03	5.132E-03	5.779E-03	5.779E-03	
2.46E 00----3.01E 00	6.128E-03	6.138E-03	6.180E-03	6.267E-03	6.408E-03	6.625E-03	6.947E-03	7.415E-03	8.082E-03	8.082E-03	8.082E-03	
2.35E 00----2.46E 00	8.404E-03	8.415E-03	8.468E-03	8.582E-03	8.782E-03	9.105E-03	9.600E-03	1.033E-02	1.137E-02	1.137E-02	1.137E-02	
1.83E 00----2.35E 00	6.648E-03	6.665E-03	6.736E-03	6.881E-03	7.105E-03	7.429E-03	7.873E-03	8.465E-03	9.238E-03	9.238E-03	9.238E-03	
1.11E 00----1.83E 00	7.326E-03	7.346E-03	7.428E-03	7.589E-03	7.827E-03	8.156E-03	8.588E-03	9.136E-03	9.820E-03	9.820E-03	9.820E-03	
5.50E-01----1.11E 00	7.326E-03	7.346E-03	7.428E-03	7.589E-03	7.827E-03	8.156E-03	8.588E-03	9.136E-03	9.820E-03	9.820E-03	9.820E-03	
1.11E-01----5.50E-01	1.669E-02	1.372E-02	1.367E-02	1.414E-02	1.454E-02	1.508E-02	1.579E-02	1.667E-02	1.777E-02	1.777E-02	1.777E-02	
3.35E-02----1.11E-01	2.700E-02	2.705E-02	2.725E-02	2.764E-02	2.819E-02	2.892E-02	2.982E-02	3.091E-02	3.219E-02	3.219E-02	3.219E-02	
1.837E-04----3.35E-02	2.033E-01	2.036E-01	2.045E-01	2.062E-01	2.086E-01	2.117E-01	2.155E-01	2.199E-01	2.249E-01	2.249E-01	2.249E-01	
1.01E-04----5.83E-04	1.138E 01	1.138E 01	1.839E 01	1.845E 01	1.857E 01	1.874E 01	1.895E 01	1.921E 01	1.951E 01	1.981E 01	1.981E 01	
2.90E-05----1.01E-04	5.000E 01	5.003E 01	5.018E 01	5.046E 01	5.085E 01	5.135E 01	5.194E 01	5.262E 01	5.337E 01	5.337E 01	5.337E 01	
1.07E-05----2.90E-05	1.477E 02	1.477E 02	1.482E 02	1.490E 02	1.501E 02	1.515E 02	1.532E 02	1.551E 02	1.573E 02	1.573E 02	1.573E 02	
3.06E-06----1.07E-05	4.003E 02	4.006E 02	4.017E 02	4.038E 02	4.067E 02	4.104E 02	4.148E 02	4.198E 02	4.253E 02	4.253E 02	4.253E 02	
1.12E-06----3.06E-06	1.081E 03	1.082E 03	1.085E 03	1.090E 03	1.098E 03	1.108E 03	1.119E 03	1.132E 03	1.146E 03	1.146E 03	1.146E 03	
4.14E-07----1.12E-06	2.384E 03	2.392E 03	2.393E 03	2.419E 03	2.446E 03	2.464E 03	2.492E 03	2.522E 03	2.522E 03	2.522E 03	2.522E 03	
0.0	3.492E 03	3.494E 03	3.503E 03	3.520E 03	3.542E 03	3.569E 03	3.601E 03	3.636E 03	3.675E 03	3.675E 03	3.675E 03	
ENERGY GROUP (MEV)	ANGLE 10 MU= 0.0950	ANGLE 11 MU= 0.2816	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9894	SCALAR FLUX			
1.22E 01----1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1.00E 01----1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8.19E 00----1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6.36E 00----8.19E 00	1.452E-03	2.049E-03	2.918E-03	4.941E-03	1.023E-02	2.030E-02	3.114E-02	5.356E-02	6.407E-02	5.176E-01	1.501E-01	
4.97E 00----6.36E 00	8.252E-03	9.381E-03	1.121E-02	1.444E-02	1.448E-02	1.481E-02	1.856E-02	2.487E-02	3.489E-02	1.135E-01	1.535E-01	
3.01E 00----4.07E 00	6.349E-03	7.231E-03	8.412E-03	1.010E-02	1.010E-02	1.237E-02	1.552E-02	1.994E-02	2.661E-02	9.831E-02	1.403E-01	
2.46E 00----3.01E 00	9.009E-03	1.033E-02	1.210E-02	1.458E-02	1.796E-02	2.275E-02	2.969E-02	4.122E-02	4.422E-02	1.394E-01	1.394E-01	
2.35E 00----2.46E 00	1.281E-02	1.482E-02	1.751E-02	2.121E-02	2.121E-02	3.317L-02	4.331E-02	6.024E-02	6.024E-02	1.994E-01	1.994E-01	
1.83E 00----2.35E 00	1.021E-02	1.148E-02	1.304E-02	1.504E-02	1.752E-02	2.077E-02	2.496E-02	3.156E-02	3.156E-02	1.441E-01	1.441E-01	
1.11E 00----1.83E 00	1.064E-02	1.170E-02	1.291E-02	1.442E-02	1.617E-02	1.831L-02	2.089E-02	2.448E-02	2.448E-02	1.431E-01	1.431E-01	
5.50E-01----1.11E 00	1.907E-02	2.071E-02	2.257E-02	2.481E-02	2.735E-02	3.038E-02	3.376E-02	3.813E-02	3.813E-02	2.519E-01	2.519E-01	
1.11E-01----5.50E-01	3.361E-02	3.528E-02	3.702E-02	3.893E-02	4.084E-02	4.274E-02	4.443E-02	4.576E-02	4.576E-02	4.257E-01	4.257E-01	
3.35F-02----1.11E-01	2.300E-01	2.360E-01	2.416E-01	2.474E-01	2.524E-01	2.570E-01	2.604E-01	2.625E-01	2.625E-01	2.881E 00	2.881E 00	
5.87E-04----3.35E-02	2.055E-01	2.019E-01	2.051E-01	2.125E-01	2.157E-01	2.183E-01	2.202E-01	2.214E-01	2.214E-01	2.525E 00	2.525E 00	
1.01E-04----5.83E-04	1.239E 01	1.259E 01	1.279E 01	1.298E 01	1.315E 01	1.339E 01	1.359E 01	1.359E 01	1.359E 01	1.550E 01	1.550E 01	
2.00E-05----1.01E-04	5.416E 01	5.497E 01	5.576E 01	5.651E 01	5.718E 01	5.774E 01	5.839E 01	5.839E 01	5.839E 01	6.775E 01	6.775E 01	
1.07E-05----2.00E-05	1.595E 02	1.618E 02	1.641E 02	1.662E 02	1.681E 02	1.697E 02	1.706E 02	1.715E 02	1.715E 02	1.995E 03	1.995E 03	
3.06E-06----1.07E-05	4.311E 02	4.370E 02	4.428E 02	4.483E 02	4.531E 02	4.571E 02	4.617E 02	4.660E 02	4.660E 02	5.393E 03	5.393E 03	
1.12E-06----3.06E-06	1.161E 03	1.176E 03	1.191E 03	1.205E 03	1.218E 03	1.228E 03	1.240E 03	1.240E 03	1.240E 03	1.453E 04	1.453E 04	
4.14E-07----1.12E-06	2.553E 03	2.585E 03	2.617E 03	2.646E 03	2.672E 03	2.694E 03	2.718E 03	2.731E 03	2.731E 03	3.195E 04	3.195E 04	
0.0	3.758E 03	3.716E 03	3.800E 03	3.639E 03	3.873E 03	3.918E 03	3.928E 03	3.928E 03	3.928E 03	4.652E 04	4.652E 04	

4 PI R**2 FLUENCE AT 500.0 METERS

6.36 TO 8.187 MEV NEUTRON SOURCE

(NEUTRONS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU= -1.0000	ANGLE 2 MU= -0.9894	ANGLE 3 MU= -0.9446	ANGLE 4 MU= -0.8656	ANGLE 5 MU= -0.7550	ANGLE 6 MU= -0.6179	ANGLE 7 MU= -0.4580	ANGLE 8 MU= -0.2816	ANGLE 9 MU= -0.0950
1.22E 01----1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01----1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00----1.00E 01	-4.065E-05	-1.958E-05	2.932E-05	1.109E-04	1.585E-04	1.364E-04	2.741E-04	4.526E-04	7.529E-04
6.36E 00----8.19E 00	-4.304E-03	2.955E-03	2.809E-03	2.892E-03	3.249F-03	3.867E-03	5.607E-03	6.635E-03	5.25E-03
4.97E 00----6.36E 00	3.080E-02	4.339E-03	4.423E-03	4.502E-03	4.643E-03	4.864E-03	5.180E-03	5.607E-03	6.173E-03
4.07E 00----4.97E 00	4.381E-03	4.109E-03	4.093E-03	4.093E-03	4.107E-03	4.162E-03	4.253E-03	4.503E-03	4.92E-03
3.01E 00----4.07E 00	5.303E-03	5.311E-03	5.319E-03	5.427E-03	5.555E-03	5.532E-03	6.050E-03	6.486E-03	7.112E-03
2.46E 00----3.01E 00	7.366E-03	7.378E-03	7.432E-03	7.549E-03	7.751E-03	8.072E-03	8.562E-03	9.281E-03	1.031E-02
2.35E 00----2.46E 00	6.162E-03	6.145E-03	6.046E-03	7.046E-03	7.066E-03	7.149E-03	7.309E-03	7.548E-03	8.12E-03
1.83E 00----2.35E 00	7.046E-03	7.066E-03	7.149E-03	7.309E-03	7.548E-03	7.877E-03	8.310E-03	8.861E-03	9.548E-03
1.11E 00----1.83E 00	1.364E-02	1.368E-02	1.382E-02	1.411E-02	1.453E-02	1.510E-02	1.584E-02	1.677E-02	1.792E-02
5.50E-01----1.11E 00	2.823E-02	2.829E-02	2.851E-02	2.893E-02	2.953E-02	3.033E-02	3.132E-02	3.251E-02	3.390E-02
3.35E-02----5.50E-01	2.227E-01	2.229E-01	2.240E-01	2.260E-01	2.288E-01	2.325E-01	2.369E-01	2.420E-01	2.478E-01
5.83E-04----3.35E-02	2.043E-01	2.045E-01	2.053E-01	2.067E-01	2.087E-01	2.113E-01	2.143E-01	2.179E-01	2.18E-01
1.01E-04----5.83E-04	1.281E-01	1.282E-01	1.287E-01	1.295E-01	1.307E-01	1.321E-01	1.339E-01	1.360E-01	1.382E-01
2.90E-05----1.01E-04	5.678E-01	5.683E-01	5.702E-01	5.736E-01	5.784E-01	5.920E-01	5.946E-01	6.098E-01	6.198E-01
1.07E-05----2.90E-05	1.687E-02	1.689E-02	1.694E-02	1.704E-02	1.718E-02	1.736E-02	1.758E-02	1.782E-02	1.809E-02
3.06E-06----1.07E-05	4.610E-02	4.614E-02	4.628E-02	4.655E-02	4.692E-02	4.739E-02	4.795E-02	4.860E-02	4.930E-02
1.12E-06----3.06E-06	1.253E-03	1.257E-03	1.264E-03	1.274E-03	1.286E-03	1.301E-03	1.318E-03	1.336E-03	1.356E-03
4.14E-07----1.12E-06	2.778E-03	2.786E-03	2.801E-03	2.822E-03	2.848E-03	2.880E-03	2.916E-03	2.956E-03	2.996E-03
0.0	4.089E-03	4.092E-03	4.104E-03	4.126E-03	4.154E-03	4.190E-03	4.232E-03	4.279E-03	4.330E-03
ENERGY GROUP (MEV)	ANGLE 10 MU= 0.0950	ANGLE 11 MU= C.2816	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 SCALAR FLUX MU= 0.9894	
1.22E 01----1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1.00E 01----1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8.19E 00----1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6.36E 00----8.19E 00	1.143E-03	1.606E-03	2.325E-03	3.975E-03	8.215E-03	1.087E-02	4.811E-02	3.289E-01	1.041E-01
4.97E 00----6.36E 00	6.022E-03	9.020E-03	9.598E-03	1.194E-02	1.581E-02	2.435E-02	4.145E-02	1.176E-01	
4.07E 00----4.97E 00	6.942E-03	7.976E-03	7.99E-03	8.674E-03	1.069E-02	2.080E-02	2.918E-02	4.349E-02	1.149E-01
3.01E 00----4.07E 00	5.376E-03	6.131E-03	1.097E-02	1.336E-02	1.667E-02	2.131E-02	2.800E-02	3.853E-02	8.47E-02
2.46E 00----3.01E 00	8.000E-03	9.241E-03	1.374E-02	1.647E-02	2.0453E-02	2.561E-02	4.299E-02	5.959E-02	1.260E-01
2.35E 00----2.46E 00	1.175E-02	1.246E-02	1.453E-02	1.703E-02	2.016E-02	2.414E-02	2.970E-02	3.173E-01	
1.83E 00----2.35E 00	9.697E-03	1.095E-02	1.254E-02	1.453E-02	1.703E-02	2.016E-02	2.414E-02	2.970E-02	
1.11E 00----1.83E 00	1.039E-02	1.141E-02	1.265E-02	1.410E-02	1.581E-02	1.776E-02	1.998E-02	2.259E-02	3.389E-01
5.50E-01----1.11E 00	1.932E-02	2.098E-02	2.294E-02	2.521E-02	2.779E-02	3.064E-02	4.349E-02	5.39E-02	
1.11E-01----5.50E-01	3.549E-02	3.725E-02	4.115E-02	4.316E-02	4.507E-02	4.671E-02	4.785E-02	4.83E-01	
3.35E-02----1.11E-01	2.541E-01	2.605E-01	2.673E-01	2.737E-01	2.797E-01	2.849E-01	2.911E-01	3.177E-00	
5.83E-04----3.35E-02	2.260E-01	2.303E-01	2.346E-01	2.387E-01	2.424E-01	2.455E-01	2.492E-01	2.526E-00	
1.01E-04----5.83E-04	1.406E-01	1.430E-01	1.455E-01	1.478E-01	1.515E-01	1.528E-01	1.555E-01	1.575E-01	
2.90E-05----1.01E-04	6.196E-01	6.297E-01	6.397E-01	6.491E-01	6.575E-01	6.645E-01	6.726E-01	6.748E-01	
1.07E-05----2.90E-05	1.837E-02	1.866E-02	1.895E-02	1.922E-02	1.946E-02	1.966E-02	1.981E-02	2.298E-02	
3.06E-06----1.07E-05	5.005E-02	5.081E-02	5.155E-02	5.226E-02	5.289E-02	5.340E-02	5.401E-02	6.259E-02	
1.12E-06----1.06E-06	1.356E-03	1.376E-03	1.395E-03	1.413E-03	1.443E-03	1.453E-03	1.459E-03	1.626E-04	
4.14E-07----1.12E-06	2.997E-03	3.040E-03	3.081E-03	3.120E-03	3.155E-03	3.184E-03	3.217E-03	3.749E-04	
0.0	4.441E-07	4.385E-03	4.497E-03	4.549E-03	4.631E-03	4.656E-03	4.670E-03	5.488E-04	

4 P1 R**2 FLUENCE AT 600.0 METERS

6.36 TO 8.187 MEV NEUTRON SOURCE

(NEUTRONS/MEV/STERADIAN/SOURCE NEUTRON)									
ENERGY GROUP (MEV)	ANGLE 1 MU= -1.0000	ANGLE 2 MU= 0.9894	ANGLE 3 MU= -0.9446	ANGLE 4 MU= -0.8656	ANGLE 5 MU= -0.7550	ANGLE 6 MU= -0.6179	ANGLE 7 MU= -0.4580	ANGLE 8 MU= -0.2816	ANGLE 9 MU= -0.0950
1.22E 01----1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01----1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00----8.19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00----6.36E 00	-1.968E-05	-6.074E-06	2.199E-05	2.174E-03	2.095E-03	8.514E-05	1.182E-04	2.115E-04	5.114E-04
4.97E 00----4.97E 00	3.315E-03	3.232E-03	3.354E-03	3.422E-03	3.221E-03	3.234E-03	3.281E-03	3.284E-03	2.836E-03
3.01E 00----4.07E 00	3.234E-03	3.232E-03	3.225E-03	4.336E-03	4.402E-03	4.420E-03	4.510E-03	4.679E-03	4.934E-03
2.46E 00----4.01E 00	4.297E-03	4.304E-03	6.034E-03	6.046E-03	6.097E-03	6.207E-03	6.393E-03	6.687E-03	7.131E-03
2.35E 00----2.46E 00	6.034E-03	5.283E-03	5.298E-03	5.633E-03	5.494E-03	5.695E-03	5.986E-03	6.386E-03	7.781E-03
1.83E 00----2.35E 00	5.283E-03	6.283E-03	6.301E-03	6.377E-03	6.524E-03	6.744E-03	7.048E-03	7.447E-03	7.956E-03
1.11E 00----1.83E 00	1.50E-01	1.11E 00	1.256E-02	1.260E-02	1.274E-02	1.301E-02	1.342E-02	1.469E-02	1.558E-02
1.11E-01----1.50E-01	2.710E-02	2.715E-02	2.737E-02	2.779E-02	2.839E-02	2.919E-02	3.017E-02	3.136E-02	3.275E-02
3.35E-02----1.11E-01	2.218E-01	2.221E-01	2.232E-01	2.253E-01	2.282E-01	2.320E-01	2.366E-01	2.420E-01	2.480E-01
5.88E-04----2.35E-02	2.059E-01	2.061E-01	2.070E-01	2.085E-01	2.106E-01	2.133E-01	2.166E-01	2.204E-01	2.255E-01
1.01E-04----8.3E-04	1.304E-01	1.305E-01	1.310E-01	1.319E-01	1.330E-01	1.334E-01	1.337E-01	1.367E-01	1.393E-01
2.90E-05----1.01E-04	5.818E-01	5.822E-01	5.843E-01	5.881E-01	5.933E-01	6.001E-01	6.082E-01	6.174E-01	6.276E-01
1.07E-05----2.90E-05	1.737E-02	1.739E-02	1.745E-02	1.756E-02	1.771E-02	1.791E-02	1.815E-02	1.842E-02	1.871E-02
3.08E-06----1.07E-05	4.776E-02	4.780E-02	4.790E-02	4.825E-02	4.866E-02	4.919E-02	4.981E-02	5.053E-02	5.132E-02
1.12E-06----3.06E-06	1.303E-03	1.304E-03	1.309E-03	1.316E-03	1.327E-03	1.341E-03	1.358E-03	1.377E-03	1.398E-03
4.14E-07----1.12E-06	2.901E-03	2.903E-03	2.912E-03	2.929E-03	2.953E-03	2.983E-03	3.019E-03	3.060E-03	3.05E-03
0.0	-4.14E-07	4.293E-03	4.297E-03	4.310E-03	4.335E-03	4.367E-03	4.408E-03	4.456E-03	4.508E-03
ENERGY GROUP (MEV)	ANGLE 10 MU= 0.0950	ANGLE 11 MU= 0.2816	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9894	SCALAR FLUX
1.22E 01----1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01----1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00----8.19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00----6.19E 00	8.610E-04	1.214E-03	1.780E-03	3.075E-03	6.333E-03	1.191E-02	1.838E-02	3.096E-02	2.086E-02
4.97E 00----6.36E 00	4.538E-03	5.230E-03	6.329E-03	8.315E-03	1.213E-03	2.1475E-03	4.75E-03	1.243E-02	3.096E-02
4.07E 00----4.97E 00	6.336E-03	6.113E-03	7.497E-03	7.003E-03	8.646E-03	1.083E-02	1.370E-02	3.378E-02	8.336E-02
3.01E 00----4.07E 00	4.282E-03	4.907E-03	5.783E-03	7.075E-03	9.255E-03	1.199E-02	1.437E-02	1.854E-02	2.448E-02
2.46E 00----3.01E 00	6.631E-03	7.125E-03	9.002E-03	1.002E-02	1.184E-02	1.787E-02	2.274E-02	2.959E-02	3.346E-02
2.05E 00----2.46E 00	1.002E-02	1.436E-02	1.846E-02	1.946E-02	2.298E-02	1.528E-02	1.912E-02	2.162E-02	2.466E-02
1.83E 00----2.35E 00	8.524E-03	9.678E-03	1.114E-02	1.145E-02	1.145E-02	1.431E-02	1.431E-02	1.786E-02	2.603E-02
1.11E 00----1.83E 00	9.373E-03	1.032E-02	1.963E-02	2.150E-02	2.760E-02	2.366E-02	2.868E-02	3.135E-02	3.919E-02
5.50E 00----1.11E 00	1.803E-02	2.070E-02	3.607E-02	3.796E-02	3.992E-02	4.187E-02	4.368E-02	4.519E-02	4.619E-02
1.11E-01----5.50E-01	3.433E-02	2.901E-01	2.545E-01	2.683E-01	2.813E-01	2.866E-01	2.906E-01	2.929E-01	3.032E-01
3.25E-02----1.11E-01	2.545E-01	2.336E-01	2.290E-01	2.381E-01	2.464E-01	2.497E-01	2.522E-01	2.536E-01	2.662E-01
5.83E-04----3.35E-02	2.336E-01	1.492E-01	1.495E-01	1.516E-01	1.539E-01	1.557E-01	1.571E-01	1.579E-01	1.595E-01
1.01E-04----5.83E-04	1.439E-01	6.384E-01	6.494E-01	6.604E-01	6.707E-01	6.876E-01	6.932E-01	6.965E-01	7.981E-01
2.90E-05----1.01E-04	6.384E-01	1.903E-02	1.935E-02	1.967E-02	1.997E-02	2.024E-02	2.046E-02	2.062E-02	2.379E-02
1.07E-05----2.90E-05	1.903E-02	1.11E 00	1.442E-03	1.442E-03	1.464E-03	1.485E-03	1.503E-03	1.530E-03	6.922E-03
3.06E-06----1.07E-05	5.215E-02	5.301E-02	5.385E-02	5.464E-02	5.534E-02	5.593E-02	5.593E-02	5.593E-02	5.660E-02
1.12E-06----3.06E-06	1.420E-03	1.775E-03							
4.14E-07----1.12E-06	3.152E-03	3.200E-03	3.248E-03	3.292E-03	3.332E-03	3.365E-03	3.389E-03	3.403E-03	3.941E-04
0.0	-4.14E-07	4.631E-03	4.696E-03	4.760E-03	4.820E-03	4.873E-03	4.915E-03	4.961E-03	5.795E-04

4 PI Q**2 FLUENCE AT 900.0 METERS

6.36 TO 8.187 MEV NEUTRON SOURCE

(NEUTRONS/MEV/STERADIANS/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU= -1.0000	ANGLE 2 MU= -0.9894	ANGLE 3 MU= -0.9446	ANGLE 4 MU= -0.8656	ANGLE 5 MU= -0.7550	ANGLE 6 MU= -0.6179	ANGLE 7 MU= -0.4580	ANGLE 8 MU= -0.2816	ANGLE 9 MU= -0.0950
1.22E 01----1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01----1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00----1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00----8.19E 00	5.055E-07	4.013E-06	1.314E-05	3.160E-05	4.39E-05	5.744E-05	8.354E-05	1.349E-04	2.155E-04
4.97E 00----6.36E 00	7.376E-04	7.314E-04	7.39E-04	7.078E-04	7.465E-04	6.470E-04	1.004E-03	1.193E-03	1.392E-03
4.07E 00----4.97E 00	1.247E-03	1.251E-03	1.267E-03	1.299E-03	1.355E-03	1.355E-03	1.660E-03	1.840E-03	1.924E-03
3.01E 00----4.07E 00	1.303E-03	1.302E-03	1.300E-03	1.300E-03	1.309E-03	1.330E-03	1.376E-03	1.457E-03	1.584E-03
2.46E 00----3.01E 00	1.129E-03	1.833E-03	1.848E-03	1.879E-03	1.931E-03	2.013E-03	2.138E-03	2.324E-03	2.597E-03
2.35E 00----2.46E 00	2.634E-03	2.641E-03	2.673E-03	2.738E-03	2.844E-03	3.009E-03	3.253E-03	3.608E-03	4.114E-03
1.83E 00----2.35E 00	2.610E-03	2.647E-03	2.715E-03	2.792E-03	2.992E-03	3.214E-03	3.513E-03	3.906E-03	4.306E-03
1.11E 00----1.83E 00	3.383E-03	3.393E-03	3.431E-03	3.521E-03	3.644E-03	3.823E-03	4.055E-03	4.351E-03	4.723E-03
5.50E-01----1.11E 00	7.348E-03	7.370E-03	7.462E-03	7.637E-03	7.895E-03	8.249E-03	8.707E-03	9.288E-03	1.001E-02
1.11E-01----5.50E-01	1.751E-02	1.766E-02	1.796E-02	1.838E-02	1.893E-02	1.963E-02	2.046E-02	2.144E-02	2.244E-02
3.35E-02----1.11E-01	1.550E-01	1.552E-01	1.551E-01	1.577E-01	1.599E-01	1.629E-01	1.664E-01	1.705E-01	1.752E-01
5.83E-04----3.35E-02	1.475E-01	1.477E-01	1.483E-01	1.495E-01	1.512E-01	1.534E-01	1.560E-01	1.590E-01	1.623E-01
1.01E-04----5.83E-04	9.530E-00	9.540E-00	9.580E-00	9.652E-00	9.754E-00	9.885E-00	1.004E-01	1.022E-01	1.042E-01
2.90E-05----1.01E-04	4.310E-01	4.312E-01	4.330E-01	4.361E-01	4.405E-01	4.461E-01	4.529E-01	4.602E-01	4.691E-01
1.07E-05----2.90E-05	1.300E-02	1.301E-02	1.306E-02	1.315E-02	1.329E-02	1.345E-02	1.365E-02	1.388E-02	1.414E-02
3.06E-06----1.07E-05	3.617E-02	3.620E-02	3.634E-02	3.660E-02	3.695E-02	3.741E-02	3.795E-02	3.857E-02	3.926E-02
1.12E-06----3.06E-06	9.974E-02	9.965E-02	1.001E-02	1.008E-03	1.017E-03	1.030E-03	1.044E-03	1.061E-03	1.079E-03
4.14E-07----1.12E-06	2.238E-03	2.240E-03	2.248E-03	2.263E-03	2.284E-03	2.310E-03	2.342E-03	2.379E-03	2.419E-03
0.0 ----4.14E-07	3.344E-03	3.347E-03	3.359E-03	3.381E-03	3.410E-03	3.447E-03	3.490E-03	3.539E-03	3.592E-03
ENERGY GROUP (MEV)	ANGLE 10 MU= 0.0950	ANGLE 11 MU= 0.2816	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9894	SCALAR FLUX
1.22E 01----1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01----1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00----1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00----8.19E 00	3.209E-04	4.550E-04	6.932E-04	1.231E-03	2.515E-03	5.682E-03	1.263E-02	5.316E-02	2.267E-02
4.97E 00----6.36E 00	1.602E-03	2.448E-03	2.978E-03	3.770E-03	4.946E-03	6.674E-03	9.191E-03	1.136E-02	2.141E-02
4.07E 00----4.97E 00	2.051E-03	2.051E-03	2.448E-03	2.967E-03	3.667E-03	4.566E-03	5.666E-03	6.879E-03	2.764E-02
3.01E 00----4.07E 00	1.775E-03	2.322E-03	2.932E-03	3.522E-03	7.085E-03	1.313E-03	2.448E-02	1.683E-02	4.398E-02
2.46E 00----3.01E 00	2.921E-03	5.847E-03	7.299E-03	9.348E-03	1.230E-02	1.655E-02	2.270E-02	3.162E-02	6.368E-02
2.35E 00----2.46E 00	4.831E-03	5.847E-03	6.933E-03	6.971E-03	8.285E-03	9.879E-03	1.173E-02	1.372E-02	6.347E-02
1.83E 00----2.35E 00	4.417E-03	5.074E-03	5.933E-03	6.392E-03	8.022E-03	8.943E-03	9.839E-03	1.057E-02	6.895E-02
1.11E 00----1.83E 00	5.180E-03	1.191E-02	1.313E-02	1.451E-02	1.602E-02	1.759E-02	1.907E-02	2.020E-02	1.427E-01
5.50E-01----1.11E 00	2.255E-02	2.377E-02	2.508E-02	2.644E-02	2.776E-02	2.897E-02	2.993E-02	3.053E-02	2.843E-01
3.35E-02----1.11E-01	1.802E-01	1.855E-01	1.909E-01	1.960E-01	2.008E-01	2.348E-01	2.079E-01	2.096E-01	2.252E-00
5.83E-04----3.35E-02	1.658E-01	1.695E-01	1.731E-01	1.766E-01	1.797E-01	1.842E-01	1.854E-01	2.072E-00	2.072E-00
1.01E-04----5.83E-04	1.063E-01	1.085E-01	1.107E-01	1.127E-01	1.146E-01	1.172E-01	1.179E-01	1.329E-01	1.329E-01
2.90E-05----1.01E-04	4.782E-01	4.875E-01	4.967E-01	5.053E-01	5.131E-01	5.196E-01	5.243E-01	5.215E-01	5.975E-02
1.07E-05----2.90E-05	1.441E-02	1.468E-02	1.495E-02	1.521E-02	1.544E-02	1.577E-02	1.602E-02	1.800E-03	1.800E-03
2.05E-06----1.07E-05	3.998E-02	4.073E-02	4.146E-02	4.215E-02	4.277E-02	4.328E-02	4.366E-02	4.388E-02	4.996E-03
1.12E-06----3.06E-06	1.099E-03	1.119E-03	1.139E-03	1.157E-03	1.173E-03	1.187E-03	1.203E-03	1.237E-03	1.373E-04
4.14E-07----1.12E-06	2.4462E-03	2.505E-03	2.568E-03	2.654E-03	2.676E-03	2.688E-03	2.698E-03	2.703E-03	2.077E-04
0.0 ----4.14E-07	3.649E-03	3.709E-03	3.767E-03	3.822E-03	3.870E-03	3.909E-03	3.937E-03	3.953E-03	4.564E-04

4 PI R**2 FLUENCE AT 1200.0 METERS

6.36 TO 8.187 MEV NEUTRON SOURCE

(NEUTRONS/MEV/STERADIAN/SOURCE NEUTRON)									
ENERGY GROUP (MEV)	ANGLE 1 MU= -1.0000	ANGLE 2 MU= -0.9894	ANGLE 3 MU= -0.9446	ANGLE 4 MU= -0.8656	ANGLE 5 MU= -0.7550	ANGLE 6 MU= -0.6179	ANGLE 7 MU= -0.4580	ANGLE 8 MU= -0.2916	ANGLE 9 MU= -0.0950
1.22E 01----1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01----1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00----1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00----8.19E 00	1.752E-06	2.723E-06	6.141E-06	1.063E-05	1.467E-05	1.968E-05	2.894E-05	4.602E-05	7.213E-05
4.97E 00----3.36E 00	2.304E-04	2.290E-04	2.256E-04	2.268E-04	2.416E-04	2.744E-04	3.238E-04	3.835E-04	4.75E-04
4.07E 00----4.97E 00	4.175E-06	4.189E-04	4.249E-06	4.368E-04	4.516E-04	4.812E-04	5.163E-04	5.630E-04	6.263E-04
3.01E 00----4.07E 00	4.503E-04	4.501E-04	4.496E-04	4.532E-04	4.620E-04	4.793E-04	5.084E-04	5.35E-04	5.55E-04
2.46E 00----3.01E 00	6.503E-04	6.516E-04	6.576E-04	6.698E-04	6.902E-04	7.225E-04	7.720E-04	8.461E-04	9.552E-04
2.35E 00----2.46E 00	9.541E-04	9.574E-04	9.717E-06	1.001E-03	1.047E-03	1.118E-03	1.221E-03	1.371E-03	1.584E-03
1.03E 00----2.35E 00	1.033E-03	1.037E-03	1.053E-03	1.055E-03	1.133E-03	1.202E-03	1.298E-03	1.426E-03	1.597E-03
1.11E 00----1.83E 00	1.435E-03	1.440E-03	1.453E-03	1.496E-03	1.552E-03	1.630E-03	1.733E-03	1.865E-03	2.031E-03
5.50E-01----1.11E 00	3.326E-03	3.336E-03	3.380E-03	3.444E-03	3.587E-03	3.757E-03	3.978E-03	4.259E-03	4.606E-03
1.11E-01----5.50E-01	8.498E-03	8.517E-03	8.598E-03	8.747E-03	8.963E-03	9.229E-03	9.606E-03	1.054E-02	1.104E-02
3.35E-02----1.11E-01	7.966E-02	7.977E-02	8.025E-02	8.111E-02	8.235E-02	8.395E-02	8.589E-02	8.816E-02	9.070E-02
5.33E-04----3.35E-02	7.704E-02	7.713E-02	7.749E-02	7.815E-02	7.909E-02	8.029E-02	8.174E-02	8.341E-02	8.525E-02
1.01E-04----5.83E-04	5.041E-00	5.066E-00	5.063F-00	5.110E-00	5.167E-00	5.261E-00	5.330E-00	5.432E-00	5.545E-00
2.90E-05----1.01E-04	2.298E-01	2.308E-01	2.310E-01	2.328E-01	2.385E-01	2.424E-01	2.471E-01	2.546E-01	2.613E-01
1.07E-05----2.90E-05	6.978E-01	6.985E-01	7.015E-01	7.068E-01	7.144E-01	7.240E-01	7.355E-01	7.489E-01	7.633E-01
3.06E-06----1.07E-05	1.957E-02	1.959E-02	1.967E-02	1.982E-02	2.002E-02	2.029E-02	2.061E-02	2.097E-02	2.137E-02
1.12E-06----3.06E-06	5.424E-02	5.429E-02	5.451E-02	5.491E-02	5.547E-02	5.619E-02	5.704E-02	5.803E-02	5.911E-02
4.14E-07----1.12E-06	1.225E-03	1.226E-03	1.231E-03	1.239E-03	1.248E-03	1.268E-03	1.287E-03	1.308E-03	1.332E-03
0.0	-4.14E-07	1.842E-03	1.843E-03	1.851E-03	1.863E-03	1.881E-03	1.903E-03	1.957E-03	1.989E-03
ENERGY GROUP (MEV)	ANGLE 10 MU= 0.0950	ANGLE 11 MU= 0.2816	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9894	SCALAR FLUX
1.22E 01----1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01----1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00----1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00----8.19E 00	1.069E-04	1.553E-04	2.420E-04	4.341E-04	8.741E-04	1.853E-03	4.066E-03	1.258E-02	6.080E-03
4.97E 00----6.36E 00	6.139E-04	7.711E-04	1.099E-03	1.530E-03	2.153E-03	3.735E-03	6.512E-03	1.033E-02	1.206E-02
4.07E 00----4.97E 00	7.140E-04	8.415E-04	1.030E-03	1.311E-03	2.172E-03	3.212E-03	5.1229E-03	4.202E-03	4.701E-03
3.01E 00----4.07E 00	6.251E-04	7.251E-04	8.645E-04	1.093E-03	1.298E-03	1.604E-03	1.956E-03	2.502E-03	9.883E-03
2.46E 00----3.01E 00	1.114E-03	1.342E-03	1.669E-03	2.137E-03	2.804E-03	3.747E-03	5.052E-03	6.754E-03	1.913E-02
2.35E 00----2.46E 00	1.888E-03	2.916E-03	3.872E-03	5.226E-03	7.722E-03	1.041E-02	1.4226E-02	1.432E-02	3.29E-02
1.83E 00----2.35E 00	1.819E-03	2.107E-03	2.475E-03	2.941E-03	3.517E-03	4.121E-03	4.984E-03	5.726E-03	6.335E-02
1.411E 00----1.83E 00	2.236E-03	2.484E-03	2.779E-03	3.121E-03	3.502E-03	3.900E-03	4.271E-03	4.543E-03	2.978E-02
5.50E-01----1.1E 00	5.029E-03	5.534E-03	6.125E-03	6.797E-03	7.527E-03	8.271E-03	8.946E-03	9.424E-03	6.608E-02
1.411E-01----5.50E-01	1.111E-02	1.174E-02	1.242E-02	1.312E-02	1.380E-02	1.441E-02	1.490E-02	1.519E-02	1.401E-01
3.35E-02----1.11E-01	9.346E-02	9.636E-02	9.929E-02	1.021E-01	1.047E-01	1.069E-01	1.086E-01	1.096E-01	1.168E-00
5.83E-04----3.35E-02	8.723E-02	8.927E-02	9.130E-02	9.324E-02	9.498E-02	9.633E-02	9.75CE-02	9.813E-02	1.089E-00
1.01E-04----5.83E-04	5.665E-00	5.789E-00	5.912E-00	6.133E-00	6.220E-00	6.422E-00	6.622E-00	6.824E-00	7.076E-01
2.90E-05----1.01E-04	2.569E-01	2.622E-01	2.675E-01	2.725E-01	2.770E-01	2.807E-01	2.834E-01	3.209E-01	3.209E-02
1.411E-01----2.90E-05	7.791E-01	7.950E-01	8.108E-01	8.257E-01	8.391E-01	8.502E-01	8.630E-01	9.732E-01	9.732E-02
3.06E-06----1.07E-05	2.179E-02	2.223E-02	2.266E-02	2.307E-02	2.343E-02	2.373E-02	2.408E-02	2.723E-02	2.723E-03
1.12E-06----3.06E-06	6.025E-02	6.143E-02	6.259E-02	6.368E-02	6.517E-02	6.646E-02	6.816E-02	7.527E-02	7.527E-03
4.14E-07----1.12E-06	1.358E-03	1.382E-03	1.409E-03	1.433E-03	1.455E-03	1.472E-03	1.495E-03	1.495E-03	1.495E-04
0.0	-4.14E-07	2.024E-03	2.059E-03	2.128E-03	2.157E-03	2.180E-03	2.197E-03	2.206E-03	2.530E-04

4 PI R**2 FLUENCE AT 1500.0 METERS

6.36 TO 8.187 MEV NEUTRON SOURCE

(NEUTRONS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=1.0000	ANGLE 2 MU=0.9894	ANGLE 3 MU=0.9646	ANGLE 4 MU=0.8656	ANGLE 5 MU=0.7550	ANGLE 6 MU=-0.6179	ANGLE 7 MU=-0.4580	ANGLE 8 MU=-0.2816	ANGLE 9 MU=-1.0950
1.22E 01---1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01---1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00---1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00---8.19E 00	8.686E-07	1.132E-05	6.819E-05	2.374E-06	3.352E-05	4.616E-05	6.598E-06	9.303E-06	2.262E-05
4.97E 00---6.36E 00	6.909E-04	1.313E-04	1.334E-04	1.373E-04	1.432E-04	7.416E-05	8.425E-05	9.910E-05	1.170E-04
4.07E 00---4.97E 00	1.309E-04	1.313E-04	1.334E-04	1.373E-04	1.432E-04	1.516E-04	1.629E-04	1.779E-04	1.983E-04
3.01E 00---4.07E 00	1.434E-04	1.434E-04	1.434E-04	1.435E-04	1.448E-04	1.478E-04	1.536E-04	1.636E-04	1.788E-04
2.46E 00---3.01E 00	2.109E-04	2.130E-04	2.173E-04	2.173E-04	2.198E-04	2.58E-04	2.532E-04	2.793E-04	3.178E-04
2.35E 00---2.46E 00	3.133E-04	3.146E-04	3.201E-04	3.311E-04	3.485E-04	3.485E-04	4.129E-04	4.676E-04	5.956E-04
1.83E 00---2.35E 00	3.647E-04	3.661E-04	3.722E-04	3.840E-04	4.021E-04	4.281E-04	4.638E-04	5.120E-04	5.759E-04
1.11F 00---1.83E 00	5.322E-04	5.413E-04	5.554E-04	5.554E-04	6.045E-04	6.457E-04	6.645E-04	6.602E-04	6.602E-04
5.50E-01---1.11E 00	1.296E-03	1.301E-03	1.318E-03	1.352E-03	1.402E-03	1.471E-03	1.561E-03	1.675E-03	1.817E-03
1.11E-01---5.50E-01	3.499E-03	3.507E-03	3.542E-03	3.606E-03	3.698E-03	3.920E-03	3.973E-03	4.158E-03	4.374E-03
3.35E-02---1.11E-01	3.416E-02	3.421E-02	3.443E-02	3.481E-02	3.536E-02	3.608E-02	3.695E-02	3.795E-02	3.910E-02
5.83E-04---3.35E-02	3.342E-02	3.346E-02	3.362E-02	3.392E-02	3.424E-02	3.449E-02	3.554E-02	3.714E-02	3.714E-02
1.01E-04---5.83E-04	2.207E-00	2.209E-00	2.219E-00	2.238E-00	2.264E-00	2.298E-00	2.339E-00	2.386E-00	2.437E-00
2.90E-05---1.01E-04	1.012E-04	1.013E-01	1.018E-01	1.026E-01	1.037E-01	1.052E-01	1.070E-01	1.090E-01	1.113E-01
1.07E-05---2.90E-05	3.087E-01	3.090E-01	3.104E-01	3.178E-01	3.163E-01	3.208E-01	3.262E-01	3.326E-01	3.391E-01
3.06E-06---1.07E-05	8.704E-01	8.713E-01	8.751E-01	8.879E-01	8.916E-01	9.039E-01	9.187E-01	9.358E-01	9.544E-01
1.12E-06---3.06E-06	2.422E-02	2.425E-02	2.435E-02	2.454E-02	2.480E-02	2.514E-02	2.554E-02	2.600E-02	2.651E-02
4.14E-07---1.12E-06	5.491E-02	5.497E-02	5.519E-02	5.561E-02	5.619E-02	5.694E-02	5.783E-02	5.886E-02	5.999E-02
0.0	-4.14E-07	8.293E-02	8.302E-02	8.336E-02	8.396E-02	8.478E-02	8.582E-02	8.703E-02	8.842E-02
ENERGY GROUP (MEV)	ANGLE 10 MU= 0.0950	ANGLE 11 MU= 0.2816	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9894	SCALAR FLUX
1.22E 01---1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01---1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00---1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00---8.19E 00	3.352E-05	4.939E-05	7.853E-05	1.419E-04	2.826E-04	5.866E-04	1.232E-03	3.485E-03	2.027E-03
4.97E 00---6.36E 00	1.594E-04	1.908E-04	2.426E-04	3.327E-04	4.864E-04	7.000E-04	1.153E-03	1.885E-03	3.194E-03
4.07E 00---4.97E 00	2.269E-04	2.685E-04	3.292E-04	4.206E-04	5.519E-04	7.359E-04	9.798E-04	1.271E-03	3.821E-03
3.01E 00---4.07E 00	2.017E-04	2.344E-04	2.797E-04	3.404E-04	5.128E-04	6.717E-04	1.070E-04	3.105E-03	3.105E-03
2.46E 00---3.01E 00	3.740E-04	4.555E-04	5.730E-04	7.423E-04	9.848E-04	1.318E-03	1.799E-03	2.387E-03	6.565E-03
2.35E 00---2.46E 00	1.056E-03	1.410E-03	1.941E-03	2.744E-03	3.941E-03	5.617E-03	5.617E-03	1.246E-02	1.246E-02
2.33E 00---2.35E 00	6.573E-04	8.150E-04	1.150E-03	1.410E-03	1.941E-03	2.744E-03	3.941E-03	5.617E-03	1.246E-02
1.11E 00---1.83E 00	8.389E-04	9.344E-04	1.048E-03	1.179E-03	1.324E-03	1.611E-03	1.845E-03	2.107E-03	2.118E-03
5.50E-01---5.50E-01	1.991E-02	2.148E-03	2.441E-03	2.717E-03	3.016E-03	3.518E-03	3.588E-03	3.772E-03	4.620E-02
3.35E-02---1.11E-01	4.620E-03	4.892E-03	5.184E-03	5.484E-03	5.775E-03	6.037E-03	6.244E-03	6.569E-03	6.826E-02
5.83E-04---3.35E-02	4.034E-02	4.164E-02	4.296E-02	4.423E-02	4.540E-02	4.639E-02	4.713E-02	4.756E-02	5.04E-02
1.01E-04---5.83E-04	2.493E-02	2.549E-02	3.086E-02	3.988E-02	4.076E-02	4.155E-02	4.270E-02	4.298E-02	4.750E-02
2.90E-05---1.01E-04	1.137E-01	1.162E-01	1.186E-01	1.179E-01	1.209E-01	1.230E-01	1.260E-01	1.267E-01	1.420E-02
1.07E-05---2.90E-05	3.538E-01	3.612E-01	3.681F-01	3.743E-01	3.795E-01	3.833E-01	3.855E-01	4.326E-02	4.326E-02
3.06E-06---1.07E-05	9.744E-01	1.015E-01	1.034E-02	1.051E-02	1.076E-02	1.082E-02	1.082E-02	1.217E-03	1.217E-03
1.12E-06---3.06E-06	2.705E-02	2.761E-02	2.815E-02	2.867E-02	2.913E-02	2.979E-02	3.379E-03	6.761E-02	7.643E-03
4.14E-07---1.12E-06	6.119E-02	6.241E-02	6.363E-02	6.477E-02	6.633E-02	6.726E-02	6.761E-02	7.643E-03	1.039E-03
0.0	-4.14E-07	9.158E-02	9.327E-02	9.495E-02	9.791E-02	9.903E-02	9.984E-02	1.039E-03	1.145E-04

4 PI R**2 FLUENCE AT 1800.0 METERS

6.36 TO 8.187 MEV NEUTRON SOURCE

(NEUTRONS/MEV/STERADIAN/SOURCE NEUTRON)									
ENERGY GROUP (MEV)	ANGLE 1 MU=-1.0000	ANGLE 2 MU=-0.9894	ANGLE 3 MU=-0.9446	ANGLE 4 MU=-0.8556	ANGLE 5 MU=-0.7550	ANGLE 6 MU=-0.6179	ANGLE 7 MU=-0.4580	ANGLE 8 MU=-0.2816	ANGLE 9 MU=-0.0950
1.22E 01----1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01---1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00---1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00---8.19E 00	3.277E-07	3.984E-07	6.547E-07	1.013E-06	1.395E-06	1.926E-06	2.849E-06	4.435E-06	6.806E-06
4.97E 00---6.36E 00	2.009E-05	1.999E-05	2.042E-05	2.198E-05	2.497E-05	2.929E-05	3.453E-05	4.039E-05	4.601E-05
4.07E 00---4.97E 00	3.933E-05	3.548E-05	4.011E-05	4.132E-05	4.315E-05	4.572E-05	4.915E-05	5.375E-05	5.735E-05
3.01E 00---4.07E 00	4.343E-05	4.343E-05	4.343E-05	4.353E-05	4.395E-05	4.491E-05	4.674E-05	4.981E-05	5.460E-05
2.46E 00---3.01E 00	6.437E-05	6.452E-05	6.661E-05	6.894E-05	7.263E-05	7.830E-05	8.630E-05	9.944E-05	1.014E-05
2.35E 00---2.46E 00	9.696E-05	9.741E-05	9.933E-05	1.031E-04	1.090E-04	1.179E-04	1.307E-04	1.492E-04	1.753E-04
1.83E 00---2.35E 00	1.195E-04	1.200E-04	1.222E-04	1.261E-04	1.323E-04	1.413E-04	1.535E-04	1.700E-04	1.919E-04
1.11E 00---1.83E 00	1.811E-04	1.817E-04	1.842E-04	1.911E-04	1.965E-04	2.068E-04	2.204E-04	2.381E-04	2.603E-04
5.50E-01---1.11E 00	4.584E-04	4.600E-04	4.665E-04	4.787E-04	4.970E-04	5.221E-04	5.548E-04	5.966E-04	6.485E-04
1.11E-01---5.50E-01	1.291E-03	1.294E-03	1.307E-03	1.331E-03	1.366E-03	1.412E-03	1.470E-03	1.541E-03	1.623E-03
3.35E-02--1.11E-01	1.300E-02	1.302E-02	1.320E-02	1.325E-02	1.347E-02	1.375E-02	1.409E-02	1.449E-02	1.493E-02
5.83E-04---3.35E-02	1.284E-02	1.290E-02	1.290E-02	1.302E-02	1.319E-02	1.340E-02	1.366E-02	1.396E-02	1.429E-02
1.01E-04---5.83E-04	8.523E-01	8.533E-01	8.574E-01	8.648E-01	8.753E-01	8.889E-01	9.051E-01	9.237E-01	9.443E-01
2.90E-05---1.01E-04	3.226E-00	3.930E-00	3.948E-00	3.981E-00	4.027E-00	4.387E-00	4.158E-00	4.240E-00	4.331E-00
1.07E-05---2.90E-05	1.202E-01	1.203E-01	1.208E-01	1.218E-01	1.232E-01	1.272E-01	1.327E-01	1.372E-01	1.424E-01
3.06E-06---1.07E-05	3.402E-01	3.402E-01	3.421E-01	3.448E-01	3.487E-01	3.537E-01	3.597E-01	3.666E-01	3.742E-01
1.12E-06---3.06E-06	9.497E-01	9.507E-01	9.549E-01	9.624E-01	9.731E-01	9.868E-01	1.003E-01	1.022E-01	1.043E-01
4.14E-07---1.12E-06	2.159E-02	2.161E-02	2.171E-02	2.187E-02	2.211E-02	2.242E-02	2.320E-02	2.366E-02	2.412E-02
0.0	3.271E-02	3.275E-02	3.288E-02	3.313E-02	3.347E-02	3.389E-02	3.439E-02	3.495E-02	3.558E-02
(NEUTRONS/MEV/STERADIAN/SOURCE NEUTRON)									
ENERGY GROUP (MEV)	ANGLE 10 MU= 0.0950	ANGLE 11 MU= 0.2816	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9894	SCALAR FLUX
1.22E 01---1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01---1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.19E 00---1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00---8.19E 00	1.506E-05	2.432E-05	4.415E-05	6.698E-05	1.763E-04	3.601E-04	6.996E-04	5.841E-04	9.515E-04
1.97E 00---6.36E 00	4.735E-05	5.719E-05	7.231E-05	1.012E-04	1.479E-04	2.234E-04	3.415E-04	5.303E-04	9.154E-04
1.07E 00---4.97E 00	6.883E-05	8.165E-05	1.005E-04	1.283E-04	1.679E-04	2.223E-04	2.919E-04	3.683E-04	5.154E-04
5.11E 00---4.07E 00	6.167E-05	7.174E-05	8.562E-05	1.040E-04	1.515E-04	2.073E-04	2.847E-04	3.937E-04	5.437E-04
2.11E 00---3.01E 00	1.179E-04	1.447E-04	1.836E-04	2.399E-04	3.208E-04	4.354E-04	5.912E-04	7.788E-04	2.102E-03
2.35E 00---2.46E 00	2.130E-04	2.678E-04	3.494E-04	4.728E-04	6.618E-04	9.588E-04	1.394E-03	2.008E-03	4.184E-03
1.83E 00---2.35E 00	2.207E-04	2.582E-04	3.065E-04	3.674E-04	4.423E-04	5.256E-04	6.256E-04	7.081E-04	3.226E-03
1.11E 00---1.83E 00	3.211E-04	3.608E-04	4.065E-04	4.658E-04	5.356E-04	5.550E-04	5.868E-04	5.928E-04	3.837E-03
5.50E 00---1.11E 00	7.120E-04	7.881E-04	8.774E-04	9.788E-04	1.089E-03	1.199E-03	1.297E-03	1.362E-03	9.386E-03
1.11E 01---5.50E 01	1.116E-03	1.820E-03	1.931E-03	2.045E-03	2.156E-03	2.256E-03	2.334E-03	2.432E-03	2.165E-02
3.35E 02---1.11E-01	1.522E-02	1.645E-02	1.645E-02	1.645E-02	1.695E-02	1.741E-02	1.780E-02	1.826E-02	1.926E-02
5.83E 04---3.35E 02	1.465E-02	1.502E-02	1.538E-02	1.573E-02	1.604E-02	1.631E-02	1.650E-02	1.661E-02	1.829E-01
1.01E 04---5.83E 04	9.664E-01	9.891E-01	1.012E 00	1.033E 00	1.052E 00	1.080E 00	1.087E 00	1.207E 01	1.207E 01
2.90E 05---1.01E 04	4.427E 00	4.526E 00	4.625E 00	4.718E 00	4.801E 00	4.870E 00	4.921E 00	4.950E 00	5.28E 01
1.07E 05---2.90E 05	1.358E 01	1.413E 01	1.441E 01	1.466E 01	1.496E 01	1.502E 01	1.511E 01	1.511E 01	1.690E 02
3.06E 06---1.07E 05	3.922E 01	3.905E 01	3.987E 01	4.065E 01	4.134E 01	4.191E 01	4.234E 01	4.234E 01	4.773E 02
1.12E 06---3.06E 06	1.056E 02	1.087E 02	1.109E 02	1.130E 02	1.149E 02	1.165E 02	1.176E 02	1.183E 02	1.329E 03
4.14E 07---1.12E 06	2.445E 02	2.465E 02	2.514E 02	2.561E 02	2.603E 02	2.663E 02	2.678E 02	2.696E 02	3.016E 03
0.0	3.625E 02	3.694E 02	3.763E 02	3.828E 02	3.884E 02	3.931E 02	3.964E 02	3.982E 02	4.530E 03

4 PI R**2 FLUENCE AT 75.C METERS

6.36 TO 8.187 MEV NEUTRON SOURCE

(GAMMAS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=-1.0000	ANGLE 2 MU=0.9894	ANGLE 3 MU=-0.9446	ANGLE 4 MU=-0.8656	ANGLE 5 MU=-0.7550	ANGLE 6 MU=-0.6179	ANGLE 7 MU=-0.4580	ANGLE 8 MU=-0.2816	ANGLE 9 MU=-0.0950
8.00E 00---1.00E 01	3.056E-07	3.059E-07	3.072E-07	3.090E-07	3.132E-07	3.179E-07	3.235E-07	3.299E-07	3.369E-07
6.50E 00---8.00E 00	6.544E-06	6.706E-06	6.957E-06	7.329E-06	7.841E-06	8.529E-06	9.457E-06	1.072E-05	1.072E-05
5.00E 00---6.50E 00	6.199E-04	8.244E-04	8.423E-04	8.767E-04	9.270E-04	9.956E-04	1.081E-03	1.211E-03	1.379E-03
4.00E 00---5.00E 00	5.061E-04	5.102E-04	5.256E-04	5.534E-04	5.907E-04	6.373E-04	6.967E-04	7.756E-04	8.837E-04
3.00E 00---4.00E 00	9.746E-04	9.818E-04	9.909E-04	1.006E-03	1.060E-03	1.128E-03	1.216E-03	1.330E-03	1.483E-03
2.50E 00---3.00E 00	7.384E-04	7.444E-04	7.670E-04	8.072E-04	8.606E-04	9.268E-04	1.011E-03	1.123E-03	1.277E-03
2.00E 00---2.50E 00	1.395E-03	1.403E-03	1.435E-03	1.494E-03	1.579E-03	1.692E-03	1.843E-03	2.047E-03	2.323E-03
1.66E 00---2.00E 00	8.958E-04	8.956E-04	9.150E-04	9.461E-04	9.948E-04	1.066E-03	1.164E-03	1.483E-03	1.483E-03
1.33E 00---1.66E 00	1.125E-03	1.127E-03	1.135E-03	1.159E-03	1.206E-03	1.287E-03	1.407E-03	1.573E-03	1.794E-03
1.00E 00---1.33E 00	4.097E-04	4.051E-04	3.911E-04	3.758E-04	3.757E-04	4.006E-04	4.518E-04	5.244E-04	6.163E-04
8.00E-01---1.00E 00	4.289E-04	4.253E-04	4.330E-04	4.458E-04	4.739E-04	5.211E-04	5.881E-04	6.763E-04	7.940E-04
6.00E-01---8.00E-01	4.407E-04	4.537E-04	5.005E-04	5.763E-04	6.615E-04	7.457E-04	8.354E-04	9.527E-04	1.128E-03
4.00E-01---6.00E-01	2.177E-03	2.189E-03	2.235E-03	2.323E-03	2.451E-03	2.635E-03	2.898E-03	3.264E-03	3.756E-03
3.00E-01---4.00E-01	3.004E-03	3.014E-03	3.066E-03	3.204E-03	3.469E-03	3.879E-03	4.416E-03	5.028E-03	5.655E-03
2.00E-01---3.00E-01	9.830E-03	9.853E-03	9.939E-03	1.008E-02	1.024E-02	1.039E-02	1.056E-02	1.072E-02	1.096E-02
1.00E-01---2.00E-01	1.874E-02	1.886E-02	1.900E-02	1.931E-02	1.966E-02	2.011E-02	2.066E-02	2.132E-02	2.132E-02
5.00E-02---1.00E-01	3.753E-02	3.756E-02	3.769E-02	3.792E-02	3.827E-02	3.872E-02	3.927E-02	3.992E-02	4.067E-02
2.00E-02---5.00E-02	1.021E-02	1.023E-02	1.026E-02	1.031E-02	1.037E-02	1.044E-02	1.052E-02	1.061E-02	1.061E-02
ENERGY GROUP (MEV)	ANGLE 10 MU= 0.0950	ANGLE 11 MU= 0.2816	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.597E-07	ANGLE 14 MU= 0.6179	ANGLE 15 MU= 0.7550	ANGLE 16 MU= 0.866E-07	ANGLE 17 MU= 0.9446	SCALAR FLUX MU= 0.9894
8.00E 00---1.00E 01	3.444E-07	3.522E-07	3.597E-07	3.666E-07	3.729E-07	3.784E-07	3.817E-07	4.299E-06	4.299E-06
6.50E 00---8.00E 00	1.192E-05	2.275E-05	1.778E-05	2.051E-05	2.753E-05	4.634E-05	7.499E-05	1.143E-04	2.303E-04
5.00E 00---6.50E 00	1.657E-03	2.242E-03	2.687E-03	2.762E-03	3.598E-03	6.076E-03	9.838E-03	1.496E-02	2.969E-02
4.00E 00---5.00E 00	9.857E-04	1.887E-03	1.486E-03	1.726E-03	2.324E-03	3.887E-03	6.246E-03	1.439E-03	1.911E-02
3.00E 00---4.00E 00	2.041E-03	2.780E-03	3.335E-03	3.415E-03	4.462E-03	7.594E-03	1.230E-02	1.880E-02	3.680E-02
2.50E 00---3.00E 00	1.431E-03	2.630E-03	2.121E-03	2.488E-03	3.333E-03	5.447E-03	8.573E-03	1.270E-02	2.703E-02
2.00E 00---2.50E 00	2.592E-03	4.816E-03	3.834E-03	4.466E-03	5.975E-03	9.769E-03	1.531E-02	2.275E-02	4.889E-02
1.66E 00---2.00E 00	1.665E-03	3.027E-03	2.404E-03	2.956E-03	4.011E-03	6.461E-03	9.927E-03	1.448E-02	3.160E-02
1.33E 00---1.66E 00	2.012E-03	3.654E-03	3.004E-03	3.597E-03	4.872E-03	7.762E-03	1.183E-02	1.700E-02	3.807E-02
1.00E 00---1.33E 00	7.460E-04	9.529E-04	1.186E-03	1.489E-03	2.183E-03	3.129E-03	3.620E-03	4.540E-03	1.333E-02
8.00E-01---1.00E 00	9.700E-04	1.246E-03	1.563E-03	1.955E-03	2.713E-03	3.605E-03	3.930E-03	4.650E-03	1.641E-02
6.00E-01---8.00E-01	1.399E-03	1.789E-03	2.213E-03	2.679E-03	3.448E-03	4.269E-03	4.486E-03	5.173E-03	2.164E-02
4.00E-01---6.00E-01	4.389E-03	5.163E-03	5.888E-03	6.621E-03	7.949E-03	9.496E-03	1.003E-02	1.174E-02	5.978E-02
3.00E-01---4.00E-01	6.270E-03	7.433E-03	8.002E-03	8.002E-03	9.109E-03	1.040E-02	1.082E-02	1.203E-02	7.761E-02
2.00E-01---3.00E-01	1.134E-02	1.252E-02	1.315E-02	1.452E-02	1.637E-02	1.728E-02	1.891E-02	1.999E-02	1.499E-02
1.00E-01---2.00E-01	2.209E-02	2.299E-02	2.399E-02	2.505E-02	2.621E-02	2.745E-02	2.852E-02	2.907E-02	2.808E-01
5.00E-02---1.00E-01	4.149E-02	4.238E-02	4.330E-02	4.420E-02	4.507E-02	4.589E-02	4.650E-02	4.671E-02	5.206E-01
2.00E-02---5.00E-02	1.071E-02	1.081E-02	1.092E-02	1.102E-02	1.111E-02	1.119E-02	1.125E-02	1.127E-02	1.343E-01

4 PI R**2 FLUENCE AT 150.0 METERS

6.36 TO 8.187 MEV NEUTRON SOURCE

(GAMMAS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=-1.00E 00	ANGLE 2 MU=0.9984	ANGLE 3 MU=0.9446	ANGLE 4 MU=0.8656	ANGLE 5 MU=0.7550	ANGLE 6 MU=0.6179	ANGLE 7 MU=0.4580	ANGLE 8 MU=-0.2816	ANGLE 9 MU=-0.0950
8.00E 00---1.00E 01	1.042E-06	1.044E-06	1.052E-06	1.067E-06	1.090E-06	1.119E-06	1.156E-06	1.199E-06	1.249E-06
6.50E 00---8.00E 00	8.712E-06	8.764E-06	8.964E-06	9.336E-06	9.858E-06	1.054E-05	1.144E-05	1.265E-05	1.432E-05
5.00E 00---6.50E 00	9.437E-04	9.511E-04	9.793E-04	1.030E-03	1.099E-03	1.187E-03	1.301E-03	1.456E-03	1.671E-03
4.00E 00---5.00E 00	5.596E-04	6.013E-04	6.546E-04	7.155E-04	7.792E-04	8.519E-04	9.491E-04	1.090E-03	1.249E-03
3.00E 00---4.00E 00	1.048E-03	1.062E-03	1.114E-03	1.201E-03	1.303E-03	1.415E-03	1.568E-03	1.729E-03	1.988E-03
2.50E 00---3.00E 00	8.888E-04	8.982E-04	9.362E-04	1.013E-03	1.101E-03	1.195E-03	1.293E-03	1.451E-03	1.664E-03
2.00E 00---2.50E 00	1.689E-03	1.703E-03	1.755E-03	1.848E-03	1.969E-03	2.121E-03	2.217E-03	2.587E-03	2.962E-03
1.66E 00---2.00E 00	1.136E-03	1.140E-03	1.158E-03	1.195E-03	1.258E-03	1.354E-03	1.495E-03	1.691E-03	1.959E-03
1.33E 00---1.66E 00	1.481E-03	1.481E-03	1.464E-03	1.465E-03	1.508E-03	1.617E-03	1.798E-03	2.377E-03	2.629E-03
1.00E 00---1.33E 00	7.251E-04	7.079E-04	6.532E-04	5.893E-04	5.693E-04	6.228E-04	7.441E-04	9.082E-04	1.104E-03
8.00E-01---1.00E 00	7.017E-04	7.002E-04	7.005E-04	7.184E-04	7.730E-04	8.721E-04	1.035E-03	1.177E-03	1.457E-03
6.00E-01---8.00E-01	6.205E-04	6.571E-04	7.867E-04	9.849E-04	1.151E-03	1.341E-03	1.499E-03	1.740E-03	2.177E-03
4.00E-01---6.00E-01	3.805E-03	3.830E-03	3.926E-03	4.106E-03	4.376E-03	5.029E-03	6.356E-03	7.747E-03	9.156E-03
3.00E-01---4.00E-01	5.492E-03	5.517E-03	5.659E-03	6.061E-03	6.861E-03	8.117E-03	9.743E-03	1.144E-02	1.330E-02
2.00E-01---3.00E-01	2.187E-02	2.194E-02	2.220E-02	2.260E-02	2.302E-02	2.339E-02	2.372E-02	2.467E-02	2.610E-02
1.00E-01---2.00E-01	4.961E-02	5.001E-02	5.064E-02	5.155E-02	5.278E-02	5.34E-02	5.629E-02	5.866E-02	6.129E-02
5.00E-02---1.00E-01	1.142E-01	1.149E-01	1.159E-01	1.175E-01	1.195E-01	1.202E-01	1.250E-01	1.285E-01	1.347E-01
2.00E-02---5.00E-02	3.257E-02	3.259E-02	3.267E-02	3.282E-02	3.302E-02	3.329E-02	3.363E-02	3.402E-02	3.447E-02
ENERGY GROUP (MEV)	ANGLE 10 MU= 0.0950	ANGLE 11 MU= 0.2816	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9894	SCALAR FLUX
8.00E 00---1.00E 01	1.303E-06	1.361E-06	1.422E-06	1.481E-06	1.535E-06	1.592E-06	1.651E-06	1.630E-05	1.630E-05
6.50E 00---8.00E 00	1.998E-05	1.694E-05	2.730E-05	2.986E-05	4.870E-05	7.184E-05	1.194E-04	2.685E-04	3.460E-04
5.00E 00---6.50E 00	1.612E-03	2.649E-03	2.707E-03	4.872E-03	4.668E-03	9.968E-03	1.571E-02	3.447E-02	4.223E-02
4.00E 00---5.00E 00	1.576E-03	1.330E-03	2.222E-03	2.441E-03	4.037E-03	6.052E-03	1.017E-02	2.218E-02	2.795E-02
3.00E 00---4.00E 00	1.912E-03	1.870E-03	2.187E-03	5.057E-03	7.725E-03	1.059E-02	1.955E-02	5.129E-02	8.207E-02
2.50E 00---3.00E 00	2.046E-03	2.359E-03	3.337E-03	3.716E-03	6.001E-03	8.936E-03	1.475E-02	3.014E-02	4.129E-02
2.00E 00---2.50E 00	4.200E-03	3.579E-03	5.874E-03	6.489E-03	1.050E-02	1.544E-02	2.510E-02	5.126E-02	7.204E-02
1.66E 00---2.00E 00	2.781E-03	4.000E-03	4.620E-03	7.519E-03	7.519E-03	1.116E-02	3.440E-02	4.965E-02	5.969E-02
1.33E 00---1.66E 00	3.367E-03	4.984E-03	5.703E-03	9.232E-03	1.349E-02	2.114E-02	3.914E-02	5.969E-02	8.121E-02
1.00E 00---1.33E 00	5.191E-03	7.728E-03	2.495E-03	3.883E-03	5.439E-03	8.207E-03	1.311E-02	1.539E-02	2.121E-02
8.00E-01---1.00E 00	2.020E-03	2.468E-03	3.555E-03	5.238E-03	6.960E-03	9.626E-03	1.255E-02	1.496E-02	2.888E-02
6.00E-01---8.00E-01	3.056E-03	3.934E-03	5.399E-03	7.261E-03	8.956E-03	1.135E-02	1.335E-02	1.606E-02	2.126E-02
4.00E-01---6.00E-01	9.721E-03	1.136E-02	1.365E-02	1.630E-02	1.857E-02	2.246E-02	2.666E-02	3.274E-02	4.333E-02
3.00E-01---4.00E-01	1.512E-02	1.627E-02	1.788E-02	2.005E-02	2.216E-02	2.572E-02	2.923E-02	3.333E-02	4.836E-02
2.00E-01---3.00E-01	2.598E-02	2.683E-02	2.875E-02	3.171E-02	3.421E-02	3.879E-02	4.535E-02	4.935E-02	5.456E-02
1.00E-01---2.00E-01	6.153E-02	6.479E-02	6.861E-02	7.300E-02	7.768E-02	8.217E-02	8.777E-02	9.171E-02	9.398E-02
5.00E-02---1.00E-01	1.325E-01	1.369E-01	1.465E-01	1.513E-01	1.559E-01	1.621E-01	1.669E-01	1.669E-01	1.669E-01
2.00E-02---5.00E-02	3.496E-02	3.548E-02	3.603E-02	3.657E-02	3.708E-02	3.752E-02	3.808E-02	3.837E-02	4.387E-02

4 PI R**2 FLUENCE AT 200.0 METERS

5.36 TO 6.187 MEV NEUTRON SOURCE

(GAMMAS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=-1.0000	ANGLE 2 MU=-0.9446	ANGLE 3 MU=-0.8556	ANGLE 4 MU=-0.7550	ANGLE 5 MU=-0.6179	ANGLE 6 MU=-0.4580	ANGLE 7 MU=-0.2816	ANGLE 8 MU=-0.0950	ANGLE 9 MU=-0.0950
8.00E 00---1.00E 01	1.641E-06	1.645E-06	1.660E-06	1.691E-06	1.726E-06	1.796E-06	1.870E-06	1.960E-06	2.064E-06
6.50E 00---8.00E 00	9.685E-06	9.748E-06	9.991E-06	1.043E-05	1.102E-05	1.278E-05	1.402E-05	1.587E-05	1.587E-05
5.00E 00---6.50E 00	5.278E-04	9.367E-04	9.701E-04	1.028E-03	1.103E-03	1.193E-03	1.308E-03	1.446E-03	1.687E-03
4.00E 00---5.00E 00	5.300E-04	5.423E-04	5.860E-04	6.544E-04	7.258E-04	7.920E-04	8.618E-04	9.571E-04	1.104E-03
3.00E 00---4.00E 00	3.005E-04	1.004E-02	9.852E-04	1.071E-03	1.178E-03	1.238E-03	1.407E-03	1.533E-03	1.971E-03
2.50E 00---3.00E 00	8.583E-04	8.761E-04	9.394E-04	1.038E-03	1.141E-03	1.238E-03	1.345E-03	1.496E-03	1.726E-03
2.00E 00---2.50E 00	1.686E-03	1.703E-03	1.767E-03	1.874E-03	2.006E-03	2.163E-03	2.363E-03	2.643E-03	3.043E-03
1.66E 00---2.00E 00	1.165E-03	1.168E-03	1.186E-03	1.220E-03	1.282E-03	1.384E-03	1.537E-03	1.754E-03	2.048E-03
1.33E 00---1.66E 00	1.554E-03	1.549E-03	1.512E-03	1.489E-03	1.521E-03	1.694E-03	1.849E-03	2.136E-03	2.495E-03
1.00E 00---1.33E 00	8.486E-04	8.219E-04	7.357E-04	6.341E-04	6.099E-04	6.754E-04	8.427E-04	1.057E-03	1.294E-03
8.00E-01---1.00E 00	7.824E-04	7.789E-04	7.741E-04	7.914E-04	8.596E-04	9.870E-04	1.164E-03	1.390E-03	1.708E-03
6.00E-01---8.00E-01	6.200E-04	6.772E-04	8.572E-04	1.131E-03	1.332E-03	1.567E-03	1.734E-03	2.598E-03	2.598E-03
4.00E-01---6.00E-01	4.386E-03	4.417E-03	4.537E-03	4.759E-03	5.090E-03	5.611E-03	6.458E-03	7.176E-03	9.646E-03
3.00E-01---4.00E-01	6.505E-03	6.524E-03	6.116E-03	7.264E-03	8.334E-03	1.019E-02	1.250E-02	1.501E-02	1.741E-02
2.00E-01---3.00E-01	2.796E-02	2.806E-02	2.843E-02	2.900E-02	2.966E-02	3.03E-02	3.041E-02	3.161E-02	3.161E-02
1.00E-01---2.00E-01	6.769E-02	6.829E-02	6.922E-02	7.058E-02	7.241E-02	7.475E-02	7.767E-02	8.124E-02	8.124E-02
5.00E-02---1.00E-01	1.662E-01	1.664E-01	1.673E-01	1.691E-01	1.716E-01	1.750E-01	1.791E-01	1.842E-01	1.901E-01
2.00E-02---5.00E-02	4.844E-02	4.847E-02	4.860E-02	4.884E-02	4.918E-02	4.964E-02	5.019E-02	5.085E-02	5.161E-02
ENERGY GROUP (MEV)	ANGLE 10 MU= 0.0950	ANGLE 11 MU= 0.8816	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9894	SCALAR FLUX
8.00E 00---1.00E 01	2.182E-06	2.312E-06	2.450E-06	2.590E-06	2.733E-06	2.840E-06	2.930E-06	2.980E-06	2.746E-05
6.50E 00---8.00E 00	1.672E-05	1.672E-05	2.573E-05	3.650E-05	4.833E-05	7.957E-05	1.636E-04	3.342E-04	3.872E-04
5.00E 00---6.50E 00	2.184E-03	2.293E-03	3.279F-03	4.058E-03	6.156E-03	9.654E-03	1.836E-02	4.944E-02	4.585E-02
4.00E 00---5.00E 00	1.179E-03	1.762E-03	1.957E-03	2.869E-03	3.909E-03	6.644E-03	1.219E-02	2.577E-02	1.501E-02
3.00E 00---4.00E 00	3.587E-03	3.900E-03	4.814E-03	7.433E-03	1.011E-02	2.224E-02	5.128E-02	5.493E-02	5.493E-02
2.50E 00---3.00E 00	1.861E-03	2.712E-03	3.044E-03	4.415E-03	6.071E-03	1.015E-02	1.799E-02	3.767E-02	4.540E-02
2.00E 00---2.50E 00	3.233E-03	4.724E-03	5.254E-03	7.658E-03	1.042E-02	1.717E-02	2.983E-02	6.204E-02	7.760E-02
1.66E 00---2.00E 00	2.210E-03	3.236E-03	3.725E-03	5.574E-03	1.042E-02	1.717E-02	2.983E-02	5.539E-02	5.539E-02
1.33E 00---1.66E 00	2.677E-03	3.928E-03	4.586E-03	6.949E-03	9.854E-03	1.590E-02	2.599E-02	4.805E-02	6.655E-02
1.00E 00---1.33E 00	1.530E-03	2.230E-03	3.102E-03	4.930E-03	7.434E-03	1.118E-02	1.601E-02	2.223E-02	4.044E-02
8.00E-01---1.00E 00	2.155E-03	3.226E-03	4.577E-03	6.876E-03	9.667E-03	1.318E-02	1.705E-02	2.123E-02	5.070E-02
6.00E-01---8.00E-01	3.551E-03	5.250E-03	7.176E-03	9.737E-03	1.239E-02	1.547E-02	1.876E-02	2.243E-02	6.808E-02
4.00E-01---6.00E-01	1.189E-02	1.492E-02	1.768E-02	2.101E-02	2.438E-02	2.894E-02	3.500E-02	4.335E-02	5.692E-01
3.00E-01---4.00E-01	1.937E-02	2.149E-02	2.330F-02	2.602E-02	2.938E-02	3.373E-02	3.881E-02	4.438E-02	5.382E-01
2.00E-01---3.00E-01	3.262E-02	3.18E-02	4.082E-02	4.480E-02	5.021E-02	6.456E-02	6.456E-02	6.456E-02	4.449E-01
1.00E-01---2.00E-01	8.549E-02	9.057E-02	9.636E-02	1.030E-01	1.102E-01	1.180E-01	1.256E-01	1.319E-01	1.102E-00
5.00E-02---1.00E-01	1.968E-01	2.043E-01	2.124E-01	2.209E-01	2.294E-01	2.375E-01	2.443E-01	2.488E-01	2.488E-00
2.00E-02---5.00E-02	5.244E-02	5.354E-02	5.520E-02	5.427E-02	5.668E-02	5.685E-02	5.746E-02	5.782E-02	6.582E-01

4 PI R**2 FLUENCE AT 300.0 METERS

6.36 TO 8.187 MEV NEUTRON SOURCE

(GAMMAS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=-0.2916	ANGLE 2 MU=-0.9894	ANGLE 3 MU=-0.9446	ANGLE 4 MU=-0.8656	ANGLE 5 MU=-0.7550	ANGLE 6 MU=-0.6179	ANGLE 7 MU=-0.4580	ANGLE 8 MU=-0.2816	ANGLE 9 MU=-0.0950
8.00E 00---1.00E 01	2.816E-06	2.825E-06	2.861E-06	2.931E-06	3.035E-06	3.175E-06	3.354E-06	3.576E-06	3.844E-06
6.50E 00---8.00E 00	1.104E-05	1.136E-05	1.190E-05	1.260E-05	1.344E-05	1.451E-05	1.544E-05	1.654E-05	1.794E-05
5.00E 00---6.50E 00	8.005E-04	8.112E-04	8.505E-04	9.154E-04	9.905E-04	1.073E-03	1.173E-03	1.313E-03	1.521E-03
4.00E 00---5.00E 00	4.161E-04	4.332E-04	4.932E-04	5.613E-04	6.615E-04	7.202E-04	7.711E-04	8.477E-04	9.854E-04
3.00E 00---4.00E 00	7.735E-04	7.987E-04	8.875E-04	1.019E-03	1.141E-03	1.238E-03	1.315E-03	1.412E-03	1.712E-03
2.50E 00---3.00E 00	7.162E-04	7.405E-04	8.255E-04	9.498E-04	1.062E-03	1.148E-03	1.232E-03	1.346E-03	1.593E-03
2.00E 00---2.50E 00	1.469E-03	1.489E-03	1.564E-03	1.681E-03	1.811E-03	1.951E-03	2.128E-03	2.389E-03	2.779E-03
1.66E 00---2.00E 00	1.067E-03	1.068E-03	1.076E-03	1.099E-03	1.150E-03	1.247E-03	1.403E-03	1.628E-03	1.929E-03
1.33E 00---1.66E 00	1.461E-03	1.461E-03	1.461E-03	1.461E-03	1.334E-03	1.459E-03	1.696E-03	2.009E-03	2.374E-03
1.00E 00---1.33E 00	9.271E-04	8.861E-04	7.526E-04	5.974E-04	5.491E-04	6.578E-04	8.881E-04	1.157E-03	1.423E-03
8.00E-01---1.00E 00	7.837E-04	7.755E-04	7.657E-04	7.826E-04	8.601E-04	1.027E-03	1.239E-03	1.496E-03	1.871E-03
6.00E-01---8.00E-01	5.724E-04	5.724E-04	8.335E-04	1.204E-03	1.508E-03	1.691E-03	1.836E-03	2.163E-03	2.954E-03
4.00E-01---6.00E-01	4.710E-03	4.747E-03	4.890E-03	5.148E-03	5.544E-03	6.197E-03	7.328E-03	9.151E-03	1.177E-03
3.00E-01---4.00E-01	7.63E-03	7.300E-03	7.549E-03	8.330E-03	9.960E-03	1.253E-02	1.581E-02	1.927E-02	2.242E-02
2.00E-01---3.00E-01	3.510E-02	3.524E-02	3.574E-02	3.649E-02	3.720E-02	3.773E-02	3.813E-02	3.954E-02	4.062E-02
1.00E-01---2.00E-01	9.140E-02	9.157E-02	9.230E-02	9.369E-02	9.572E-02	9.846E-02	1.020E-01	1.064E-01	1.117E-01
5.00E-02---1.00E-01	2.453E-01	2.456E-01	2.472E-01	2.502E-01	2.545E-01	2.602E-01	2.674E-01	2.761E-01	2.863E-01
2.00E-02---5.00E-02	7.355E-02	7.360E-02	7.382E-02	7.423E-02	7.482E-02	7.560E-02	7.655E-02	7.769E-02	7.900E-02
ENERGY GROUP (MEV)	ANGLE 10 MU= 0.0950	ANGLE 11 MU= 0.2916	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9894	SCALAR FLUX
8.00E 00---1.00E 01	4.161E-06	4.525E-06	4.933E-06	5.70E-06	6.228E-06	6.257E-06	6.593E-06	6.69E-06	5.339E-05
6.50E 00---6.00E 00	2.104E-05	2.426E-05	3.034E-05	3.832E-05	5.332E-05	6.257E-05	6.593E-04	6.160E-04	4.365E-04
5.00E 00---5.00E 00	1.789E-03	2.299E-03	2.886E-03	3.974E-03	5.762E-03	9.591E-03	1.926E-02	5.179E-02	4.555E-02
4.00E 00---4.00E 00	1.236E-03	1.491E-03	1.976E-03	2.609E-03	3.897E-03	6.561E-03	1.336E-02	3.390E-02	3.049E-02
3.00E 00---3.00E 00	2.038E-03	3.660E-03	3.313E-03	6.763E-03	1.626E-03	6.163E-02	6.033E-02	6.000E-02	5.333E-02
2.50E 00---2.50E 00	1.988E-03	2.389E-03	3.144E-03	4.182E-03	6.312E-03	1.060E-02	2.050E-02	4.638E-02	4.727E-02
2.00E 00---2.50E 00	3.419E-03	4.041E-03	5.326E-03	7.096E-03	1.063E-02	1.734E-02	3.243E-02	7.202E-02	7.813E-02
1.66E 00---2.00E 00	2.387E-03	2.870E-03	3.910E-03	5.522E-03	8.683E-03	1.445E-02	2.410E-02	5.229E-02	5.904E-02
1.33E 00---1.66E 00	2.903E-03	3.492E-03	4.873E-03	7.057E-03	1.107E-02	1.776E-02	3.015E-02	5.659E-02	7.095E-02
1.00E 00---1.33E 00	1.791E-03	2.443E-03	3.859E-03	6.279E-03	1.007E-02	1.531E-02	2.237E-02	3.133E-02	5.194E-02
8.00E 00---1.00E 00	2.571E-03	3.800E-03	5.971E-03	9.116E-03	1.329E-02	1.816E-02	2.357E-02	2.337E-02	6.564E-02
6.00E 00---8.00E 01	4.458E-03	6.691E-03	9.703E-03	1.318E-02	1.702E-02	2.104E-02	2.543E-02	3.033E-02	8.858E-02
4.00E 00---6.00E 01	1.513E-02	1.882E-02	2.278E-02	2.666E-02	3.094E-02	3.618E-02	4.364E-02	5.377E-02	2.093E-01
3.00E 00---4.00E 01	2.505E-02	2.723E-02	2.972E-02	3.292E-02	3.731E-02	4.288E-02	4.922E-02	5.571E-02	3.016E-01
2.00E 00---3.00E 01	4.124E-02	4.362E-02	4.715E-02	5.140E-02	5.670E-02	6.293E-02	7.042E-02	7.811E-02	5.589E-01
1.00E 00---2.00E 01	1.812E-01	1.258E-01	1.346E-01	1.445E-01	1.557E-01	1.667E-01	1.777E-01	1.865E-01	1.525E 00
5.00E 00---1.00E 01	3.113E-01	3.557E-01	3.409E-01	3.522E-01	3.706E-01	3.828E-01	3.909E-01	3.769E 00	3.098E-01
2.00E 00---5.00E 02	8.046E-02	8.202E-02	8.265E-02	8.528E-02	8.681E-02	8.920E-02	8.982E-02	1.010E 00	1.010E 00

4 PI R**2 FLUENCE AT 400.0 METERS

6.36 TO 8.187 MEV NEUTRON SOURCE

(GAMMAS/MEV/STERADIANS/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
8.00E 00---1.00E 01	MU=-1.0000	MU=0.9894	MU=-0.9446	MU=-0.8656	MU=-0.6179	MU=-0.4580	MU=-0.2816	MU=-0.0950	
6.50E 00---8.00E 00	3.701E-06	3.715E-06	3.771E-06	3.881E-06	4.046E-06	4.270E-06	4.563E-06	4.933E-06	5.394E-06
5.00E 00---6.50E 00	1.152E-05	1.161E-05	1.197E-05	1.258E-05	1.334E-05	1.424E-05	1.537E-05	1.690E-05	1.902E-05
4.00E 00---5.00E 00	6.426E-04	6.538E-04	6.977E-04	7.826E-04	8.71E-04	9.738E-04	9.738E-04	9.738E-04	1.266E-03
3.00E 00---4.00E 00	2.950E-04	3.146E-04	3.825E-04	4.782E-04	5.562E-04	6.008E-04	6.291E-04	6.824E-04	8.012E-04
2.50E 00---3.00E 00	5.537E-04	5.867E-04	6.842E-04	8.222E-04	9.367E-04	1.008E-03	1.063E-03	1.369E-03	1.369E-03
2.00E 00---2.50E 00	1.00E-03	1.168E-03	1.188E-03	1.222E-03	1.273E-03	1.484E-03	1.595E-03	1.735E-03	1.955E-03
1.66E 00---2.00E 00	8.929E-04	8.914E-04	8.890E-04	8.962E-04	9.321E-04	1.015E-03	1.159E-03	1.366E-03	1.637E-03
1.33E 00---1.66E 00	1.284E-03	1.256E-03	1.166E-03	1.068E-03	1.056E-03	1.176E-03	1.414E-03	1.713E-03	2.033E-03
1.00E 00---1.33E 00	8.756E-04	8.277E-04	6.107E-04	4.913E-04	4.402E-04	5.670E-04	8.196E-04	1.091E-03	1.332E-03
8.00E 01---1.00E 00	6.793E-04	6.726E-04	6.597E-04	6.781E-04	7.694E-04	9.324E-04	1.138E-03	1.379E-03	1.749E-03
6.00E 01---8.00E-01	3.307E-04	4.145E-04	7.084E-04	1.111E-03	1.414E-03	1.562E-03	1.664E-03	1.994E-03	2.893E-03
4.00E 01---6.00E-01	4.411E-03	4.447E-03	4.584E-03	4.834E-03	5.229E-03	5.931E-03	7.188E-03	9.247E-03	1.220E-02
3.00E 01---4.00E-01	6.960E-03	7.005E-03	7.301E-03	8.214E-03	1.010E-02	1.304E-02	1.671E-02	2.050E-02	2.381E-02
2.00E 01---3.00E-01	3.687E-02	3.702E-02	3.756E-02	3.834E-02	3.903E-02	3.949E-02	3.980E-02	4.022E-02	4.112E-02
1.00E 01---2.00E-01	9.931E-02	9.951E-02	1.004E-01	1.020E-01	1.043E-01	1.165E-01	1.165E-01	1.227E-01	1.227E-01
5.00E 02---1.00E-01	2.819E-01	2.823E-01	2.843E-01	2.880E-01	2.933E-01	3.004E-01	3.093E-01	3.202E-01	3.330E-01
2.00E-02---5.00E-02	8.596E-02	8.602E-02	8.639E-02	8.753E-02	8.753E-02	8.649E-02	8.968E-02	9.109E-02	9.272E-02

4 PI R**2 FLUENCE AT 500.0 METERS

6.36 TO 8.187 MEV NEUTRON SOURCE

(GAMMAS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=-1.0000	ANGLE 2 MU=-0.9894	ANGLE 3 MU=-0.9446	ANGLE 4 MU=-0.8656	ANGLE 5 MU=-0.7550	ANGLE 6 MU=-0.6179	ANGLE 7 MU=-0.4580	ANGLE 8 MU=-0.2816	ANGLE 9 MU=-0.0950
8.00E 00---1.00E 01	4.172E-06	4.190E-06	4.262E-06	4.403E-06	4.614E-06	4.904E-06	5.287E-06	5.785E-06	6.416E-06
6.50E 00---8.00E 00	1.139E-05	1.149E-05	1.187E-05	1.251E-05	1.329E-05	1.422E-05	1.537E-05	1.695E-05	1.917E-05
5.00E 00---6.50E 00	4.972E-04	5.082E-04	5.476E-04	6.072E-04	6.660E-04	7.188E-04	7.772E-04	8.658E-04	1.012E-03
4.00E 00---5.00E 00	2.141E-04	2.836E-04	3.783E-04	4.477E-04	4.878E-04	4.878E-04	5.209E-04	6.196E-04	7.029E-04
3.00E 00---4.00E 00	3.823E-04	4.105E-04	5.079E-04	6.409E-04	7.409E-04	7.883E-04	8.134E-04	8.807E-04	1.048E-04
2.50E 00---3.00E 00	3.812E-04	4.081E-04	5.007E-04	6.254E-04	7.170E-04	7.597E-04	7.867E-04	8.620E-04	1.038E-03
2.00E 00---2.50E 00	8.829E-04	9.217E-04	9.683E-04	1.064E-03	1.154E-03	1.235E-03	1.339E-03	1.514E-03	1.798E-03
1.66E 00---2.00E 00	7.137E-04	7.098E-04	6.986E-04	6.920E-04	7.132E-04	7.817E-04	9.072E-04	1.087E-03	1.314E-03
1.33E 00---1.66E 00	1.059E-03	1.028E-03	9.260E-04	8.115E-04	7.881E-04	8.988E-04	1.121E-03	1.385E-03	1.643E-03
1.00E 00---1.33E 00	7.687E-04	7.195E-04	5.576E-04	3.755E-04	3.281E-04	4.588E-04	7.055E-04	9.510E-04	1.145E-03
8.00E-01---1.00E 00	5.444E-04	5.385E-04	5.283E-04	5.383E-04	6.383E-04	7.883E-04	9.660E-04	1.170E-03	1.505E-03
6.00E-01---8.00E-01	2.635E-04	5.596E-04	9.23E-04	1.226E-03	1.321E-03	1.391E-03	1.703E-03	2.625E-03	2.625E-03
4.00E-01---6.00E-01	3.885E-03	3.885E-03	4.004E-03	4.222E-03	4.588E-03	5.274E-03	6.538E-03	8.621E-03	1.160E-02
3.00E-01---4.00E-01	6.164E-03	6.213E-03	6.531E-03	7.484E-03	9.418E-03	9.973E-03	1.044E-02	2.284E-02	2.284E-02
2.00E-01---3.00E-01	3.522E-02	3.536E-02	3.587E-02	3.658E-02	3.717E-02	3.751E-02	3.769E-02	3.878E-02	3.878E-02
1.00E-01---2.00E-01	9.622E-02	9.642E-02	9.727E-02	9.888E-02	1.022E-01	1.043E-01	1.084E-01	1.134E-01	1.195E-01
5.00E-02---1.00E-01	2.833E-01	2.837E-01	2.858E-01	2.896E-01	2.952E-01	3.07E-01	3.370E-01	3.375E-01	3.375E-01
2.00E-02---5.00E-02	8.725E-02	8.732E-02	8.760E-02	8.813E-02	8.889E-02	9.114E-02	9.261E-02	9.431E-02	9.431E-02
ENERGY GROUP (MEV)	ANGLE 10 MU= 0.0950	ANGLE 11 MU= 0.2816	ANGLE 12 MU= -0.580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9894	SCALAR FLUX
8.00E 00---1.00E 01	7.212E-06	8.203E-06	9.413E-06	1.085E-05	1.248E-05	1.499E-05	1.574E-05	1.680E-05	9.860E-05
6.50E 00---8.00E 00	2.224E-05	2.640E-05	3.213E-05	4.048E-05	5.420E-05	8.102E-05	1.510E-04	4.344E-04	4.495E-04
5.00E 00---6.50E 00	1.288E-03	1.565E-03	2.040E-03	2.804E-03	4.227E-03	7.047E-03	1.255E-02	4.997E-02	5.358E-02
4.00E 00---5.00E 00	7.979E-04	1.043E-03	1.357E-03	1.843E-03	2.840E-03	5.225E-03	1.162E-02	3.365E-02	3.978E-02
3.00E 00---4.00E 00	1.334E-03	1.722E-03	2.234E-03	3.057E-03	4.758E-03	8.749E-03	1.923E-02	5.496E-02	5.976E-02
2.50E 00---3.00E 00	1.323E-03	1.701E-03	2.208E-03	3.071E-03	4.902E-03	9.038E-03	1.870E-02	4.510E-02	5.799E-02
2.00E 00---2.50E 00	2.207E-03	2.769E-03	3.613E-03	5.105E-03	8.059E-03	1.416E-02	2.755E-02	5.941E-02	5.941E-02
1.66E 00---2.00E 00	1.602E-03	2.026E-03	2.827E-03	4.393E-03	7.460E-03	1.229E-02	2.455E-02	4.933E-02	4.906E-02
1.33E 00---1.66E 00	1.942E-03	2.484E-03	3.633E-03	5.890E-03	9.892E-03	1.657E-02	2.790E-02	5.065E-02	5.899E-02
1.00E 00---1.33E 00	1.418E-03	2.115E-03	3.702E-03	6.598E-03	1.102E-02	1.697E-02	2.449E-02	3.408E-02	5.287E-02
8.00E-01---1.00E 00	2.227E-03	3.693E-03	6.237E-03	9.985E-03	1.474E-02	2.002E-02	2.533E-02	3.055E-02	6.756E-02
6.00E-01---8.00E-01	4.420E-03	7.141E-03	1.062E-02	1.454E-02	1.859E-02	2.258E-02	2.654E-02	3.066E-02	9.168E-02
4.00E-01---6.00E-01	1.528E-02	1.926E-02	2.313E-02	2.674E-02	3.039E-02	3.84E-02	4.095E-02	4.893E-02	5.929E-02
3.00E-01---4.00E-01	2.517E-02	2.706E-02	2.922E-02	3.232E-02	3.658E-02	4.163E-02	4.668E-02	5.100E-02	5.969E-02
2.00E-01---3.00E-01	4.037E-02	4.287E-02	4.623E-02	5.029E-02	5.498E-02	6.038E-02	6.589E-02	7.128E-02	8.467E-01
1.00E-01---2.00E-01	1.268E-01	1.354E-01	1.452E-01	1.561E-01	1.677E-01	1.795E-01	1.902E-01	1.980E-01	1.633E-00
5.00E-02---1.00E-01	3.525E-01	3.700E-01	3.890E-01	4.090E-01	4.290E-01	4.477E-01	4.631E-01	4.730E-01	4.460E-00
2.00E-02---5.00E-02	9.823E-02	9.620E-02	1.003E-01	1.024E-01	1.031E-01	1.073E-01	1.081E-01	1.207E-00	

4 PI R**2 FLUENCE AT 600.0 METERS

6.36 TO 8.187 MEV NEUTRON SOURCE

(GAMMAS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
8.00E 00---1.00E 01	MU=-0.9894	MU=-0.9446	MU=-0.8656	MU=-0.6179	MU=-0.4580	MU=-0.2316	MU=-0.0950		
4.251E-06	4.271E-06	4.351E-06	4.509E-06	4.745E-06	5.073E-06	5.511E-06	6.086E-06	6.836E-06	
1.070E-05	1.080E-05	1.111E-05	1.178E-05	1.248E-05	1.426E-05	1.619E-05	1.841E-05	1.841E-05	
3.761E-04	3.863E-04	4.226E-04	4.759E-04	5.248E-04	5.646E-04	6.058E-04	6.728E-04	7.906E-04	
1.179E-04	1.373E-04	2.040E-04	2.925E-04	3.530E-04	3.708E-04	3.662E-04	3.841E-04	4.648E-04	
2.498E-04	2.764E-04	3.681E-04	4.896E-04	5.735E-04	6.016E-04	6.473E-04	7.828E-04		
2.505E-04	2.806E-04	3.662E-04	4.792E-04	5.547E-04	5.755E-04	6.399E-04	7.857E-04		
6.446E-04	6.628E-04	7.197E-04	7.990E-04	8.669E-04	9.38E-04	9.985E-04	1.134E-03	1.361E-03	
5.504E-04	5.326E-04	5.157E-04	5.254E-04	5.805E-04	6.874E-04	8.377E-04	1.018E-03		
8.491E-04	8.174E-04	7.122E-04	5.941E-04	6.620E-04	6.616E-04	6.620E-04	1.085E-03	1.280E-03	
1.33E 00---1.66E 00	1.00E 00---1.33E 00	5.996E-04	4.448E-04	2.734E-04	3.232E-04	3.573E-04	5.821E-04	7.892E-04	9.323E-04
8.00E-01---1.00E 00	4.153E-04	4.100E-04	4.044E-04	4.284E-04	5.103E-04	6.387E-04	7.817E-04	9.425E-04	1.232E-03
6.00E-01---8.00E-01	6.081E-05	1.427E-05	4.220E-05	7.809E-05	1.016E-05	1.022E-05	1.390E-05	2.278E-05	
4.00E-01---6.00E-01	3.259E-03	3.254E-03	3.534E-03	3.855E-03	4.699E-03	5.681E-03	7.648E-03	1.043E-02	
3.00E-01---4.00E-01	5.258E-03	5.574E-03	6.499E-03	8.342E-03	1.114E-02	1.451E-02	1.785E-02	2.058E-02	
2.00E-01---3.00E-01	3.173E-02	3.185E-02	3.230E-02	3.290E-02	3.379E-02	3.577E-02	3.779E-02	3.433E-02	
1.00E-01---2.00E-01	8.718E-02	8.971E-02	8.945E-02	9.159E-02	9.448E-02	9.818E-02	1.026E-01	1.084E-01	
5.00E-02---1.00E-01	2.628E-01	2.647E-01	2.684E-01	2.737E-01	2.837E-01	2.896E-01	3.005E-01	3.133E-01	
2.00E-02---5.00E-02	8.133E-02	8.121E-02	8.160E-02	8.282E-02	8.377E-02	8.495E-02	8.794E-02		
ENERGY GROUP (MEV)	ANGLE 10	ANGLE 11	ANGLE 12	ANGLE 13	ANGLE 14	ANGLE 15	ANGLE 16	ANGLE 17	SCALAR FLUX
8.00E 00---1.00E 01	MU= 0.0950	MU= 0.2816	MU= 0.4580	MU= 0.6179	MU= 0.7550	MU= 0.8656	MU= 0.9446	MU= 0.9894	
2.504E-06	9.046E-06	1.032E-05	1.490E-05	1.490E-05	1.490E-05	1.490E-05	1.490E-05	1.490E-05	
2.151E-05	2.572E-05	3.144E-05	3.968E-05	5.286E-05	7.785E-05	1.415E-04	4.089E-04	4.307E-04	
5.000E-05	9.655E-05	1.243E-03	1.627E-03	2.244E-03	3.422E-03	6.011E-03	1.351E-02	2.050E-02	
4.000E-05	5.000E-05	6.175E-04	8.217E-04	1.399E-03	1.449E-03	2.279E-03	4.381E-03	1.015E-02	
3.000E-05	4.000E-05	3.336E-03	5.368E-03	7.711E-03	7.238E-03	1.638E-03	4.812E-02	3.252F-02	
2.500E-05	3.000E-05	1.027E-03	1.335E-03	1.735E-03	2.440E-03	4.034E-03	7.772E-03	1.655E-02	
2.000E-05	2.000E-05	1.688E-03	2.130E-03	2.800E-02	4.038E-03	6.594E-03	1.197E-02	2.369E-02	
1.66E 00---2.00E 00	1.240E-03	1.582E-03	2.250E-03	3.642E-03	6.434E-03	1.176E-02	2.184E-02	4.328E-02	
1.33E 00---1.66E 00	1.495E-03	1.931E-03	2.944E-03	5.005E-03	8.675E-03	1.471E-02	2.462E-02	4.346E-02	
1.00E 00---1.33E 00	1.193E-03	1.785E-03	3.295E-03	6.063E-03	1.024E-02	1.574E-02	2.474E-02	4.766E-02	
8.00E 00---1.00E 00	1.903E-03	3.303E-03	5.733E-03	9.281E-03	1.370E-02	1.886E-02	2.717E-02	6.114E-02	
6.00E 00---8.00E 00	4.007E-03	6.604E-03	9.869E-03	1.347E-02	1.709E-02	2.056E-02	2.706E-02	8.305E-02	
4.00E 00---6.00E 00	1.383E-02	2.083E-02	2.386E-02	2.689E-02	3.05E-02	3.552E-02	4.170E-02	4.798E-01	
3.00E 00---4.00E 00	2.253E-02	2.407E-02	2.589E-02	2.828E-02	3.053E-02	3.457E-02	4.051E-02	4.636E-01	
2.00E 00---3.00E 00	3.581E-02	4.091E-02	4.830E-02	4.438E-02	5.259E-02	5.705E-02	6.100E-02	4.843E-01	
1.30E 00---2.00E 00	1.228E-01	1.317E-01	1.414E-01	1.517E-01	1.699E-01	1.710E-01	1.774E-01	1.478E-00	
5.00E 00---1.00E 00	3.445E-01	3.625E-01	3.813E-01	4.001E-01	4.174E-01	4.406E-01	4.316E-01	4.149E-00	
2.00E 00---5.00E 00	8.972E-02	9.162E-02	9.359E-02	9.553E-02	9.735E-02	9.852E-02	1.001E-01	1.008E-01	1.125E-00

4 PI R**2 FLUENCE AT 900.0 METERS

6.36 TO 8.187 MEV NEUTRON SOURCE

(GAMMAS/NEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
	MU= 1.00E-01	MU=-0.9894	MU=-0.9446	MU=-0.8656	MU=-0.7550	MU=-0.6179	MU=-0.4580	MU=-0.2816	MU=-0.0950
8.100E 00----1.00E 01	3.1.00E-06	3.1.127E-06	3.2.00E-06	3.3.42E-06	3.3.550E-06	3.8.41E-06	4.2.88E-06	4.7.82E-06	5.5.27E-06
6.500E 00----8.00E 00	6.9.35E-06	7.0.15E-06	7.3.15E-06	7.8.03E-06	8.3.72E-06	9.9.35E-06	9.8.63E-06	1.1.07E-05	1.2.86E-05
5.000E 00----6.50E 00	1.4.86E-04	1.5.55E-04	1.7.95E-04	2.1.24E-04	2.3.78E-04	2.6.520E-04	2.6.35E-04	3.4.74E-04	3.8.98E-04
4.000E 00----5.00E 00	4.4.91E-06	1.9.62E-05	6.6.56E-05	1.2.50E-05	1.5.99E-04	1.5.85E-04	1.3.72E-04	1.7.61E-04	1.3.28E-04
3.000E 00----4.00E 00	4.6.54E-05	6.5.504E-05	1.2.76E-04	2.0.50E-04	2.4.42E-04	2.4.46E-04	2.2.50E-04	2.3.08E-04	3.0.05E-04
2.500E 00----3.00E 00	5.3.29E-05	6.9.85E-05	1.2.60E-04	1.9.43E-04	2.2.75E-04	2.2.75E-04	1.4.76E-04	1.2.69E-04	3.0.33E-04
2.000E 00----2.50E 00	2.2.75E-04	2.3.59E-04	2.1.48E-04	1.8.68E-04	1.8.03E-04	3.2.67E-04	3.6.65E-04	4.2.48E-04	5.2.87E-04
1.666E 00----2.00E 00	2.4.64E-04	4.0.38E-04	3.7.88E-04	2.9.48E-04	2.0.01E-06	1.7.29E-04	2.3.54E-04	2.6.99E-04	4.2.36E-04
1.333E 00----1.66E 00	1.1.33E-04	1.1.33E-04	1.1.33E-04	1.1.33E-04	8.3.77E-05	6.3.78E-05	1.5.02E-04	4.7.20E-04	5.3.43E-04
1.000E 00----1.33E 00	3.3.55E-04	3.0.35E-04	1.5.34E-04	1.5.34E-04	1.7.97E-04	2.3.21E-04	2.9.59E-04	3.5.72E-04	4.2.00E-04
8.000E-01----1.00E 00	1.4.68E-04	1.4.77E-04	1.5.34E-04	1.5.34E-04	4.9.68E-04	4.9.68E-04	3.5.11E-04	5.7.47E-04	4.1.25E-04
6.000E-01----8.00E-01	-9.1.36E-05	-2.9.93E-05	1.3.88E-04	3.8.58E-04	4.7.00E-04	4.7.00E-04	4.7.21E-04	6.5.44E-04	1.2.83E-03
4.000E-01----6.00E-01	1.6.93E-03	1.6.93E-03	1.7.28E-03	1.9.33E-03	2.4.92E-03	2.4.92E-03	2.4.522E-03	6.3.25E-03	6.3.25E-03
3.000E-01----4.00E-01	2.6.97E-03	2.7.39E-03	2.9.82E-03	3.6.40E-03	4.8.88E-03	6.7.08E-03	8.8.88E-03	1.0.78E-02	1.2.26E-02
2.000E-01----3.00E-01	1.9.11E-02	1.9.11E-02	1.9.40E-02	1.9.40E-02	1.9.67E-02	1.9.82E-02	1.9.78E-02	1.9.63E-02	1.9.57E-02
1.000E-01----2.00E-01	5.1.53E-02	5.1.65E-02	5.2.14E-02	5.3.04E-02	5.4.34E-02	5.6.09E-02	5.8.29E-02	6.4.31E-02	6.4.31E-02
5.000E-02----1.00E-01	1.6.06E-01	1.6.21E-01	1.6.44E-01	1.6.62E-01	1.6.77E-01	1.7.22E-01	1.7.77E-01	1.9.24E-01	1.9.24E-01
2.000E-02----5.00E-02	5.0.02E-02	5.0.02E-02	5.0.02E-02	5.0.02E-02	5.0.02E-02	5.0.02E-02	5.0.02E-02	5.4.12E-02	5.3.15E-02
8.000E 00----1.00E 01	6.5.49E-06	7.9.60E-06	9.9.18E-06	1.2.64E-05	1.6.34E-05	2.1.13E-05	2.6.59E-05	3.1.23E-05	4.0.72E-04
6.500E 00----8.00E 00	4.4.34E-05	5.7.00E-05	7.5.83E-05	1.4.249E-05	1.6.249E-05	2.3.02E-05	2.7.48E-03	2.7.93E-03	3.1.549E-02
5.000E 00----6.50E 00	4.4.34E-04	5.7.00E-04	7.5.83E-04	1.4.649E-03	1.6.643E-03	1.6.40E-03	2.3.02E-03	5.9.98E-03	1.9.44E-02
4.000E 00----5.00E 00	2.6.51E-04	3.7.13E-04	4.7.35E-04	6.2.22E-04	9.9.17E-04	3.6.92E-03	9.1.34E-03	2.7.76E-02	1.0.57E-02
3.000E 00----4.00E 00	4.3.02E-04	5.8.15E-04	7.3.58E-04	1.6.64E-03	1.9.75E-03	4.3.26E-03	9.8.95E-03	2.6.19E-02	1.6.550E-02
2.500E 00----3.00E 00	4.3.06E-04	7.5.73E-04	7.3.58E-04	1.4.45E-03	1.7.72E-03	3.2.26E-03	6.4.22E-03	1.3.20E-02	2.3.64E-02
2.000E 00----2.50E 00	6.7.19E-04	8.5.55E-04	1.4.45E-03	1.8.49E-03	3.6.09E-03	6.9.56E-03	1.2.97E-02	2.2.09E-02	2.4.33E-02
1.666E 00----2.00E 00	5.0.20E-04	6.4.00E-04	9.9.47E-04	1.8.49E-03	1.8.49E-03	5.0.09E-03	1.2.97E-02	2.2.76E-02	1.5.15E-01
1.333E 00----1.66E 00	5.8.56E-04	7.8.51E-04	7.8.51E-04	2.7.18E-03	5.0.91E-03	8.7.35E-03	1.4.24E-02	2.3.12E-02	2.6.54E-02
1.000E 00----1.33E 00	5.1.14E-04	9.2.04E-04	1.9.64E-03	3.8.60E-03	6.6.03E-03	9.9.61E-03	1.3.63E-02	1.7.52E-02	2.8.44E-02
8.000E-01----1.00E 00	1.0.25E-03	1.9.94E-03	3.6.51E-03	5.9.80E-03	8.7.12E-03	1.1.39E-02	1.3.56E-02	1.5.11E-02	3.6.71E-02
6.000E-01----8.00E-01	2.4.93E-03	4.2.22E-03	6.3.28E-03	8.6.478E-03	1.1.04E-02	1.2.20E-02	1.3.68E-02	1.4.42E-02	4.9.98E-02
4.000E-01----6.00E-01	8.4.31E-03	1.0.53E-02	1.2.36E-02	1.3.84E-02	1.6.93E-02	1.5.22E-02	1.9.22E-02	2.1.7E-02	1.0.35E-01
3.000E-01----4.00E-01	1.3.18E-02	1.3.85E-02	1.4.74E-02	1.6.19E-02	1.8.17E-02	2.0.02E-02	2.1.97E-02	2.2.76E-02	1.5.15E-01
2.000E-01----3.00E-01	2.0.55E-02	2.1.12E-02	2.3.25E-02	2.5.00E-02	2.6.89E-02	2.8.86E-02	3.0.86E-02	2.7.71E-01	2.2.26E-02
1.000E-01----2.00E-01	6.8.19E-02	7.2.65E-02	8.3.03E-02	8.8.56E-02	9.3.85E-02	9.8.33E-02	1.0.12E-01	8.7.10E-01	8.7.10E-01
5.000E-02----1.00E-01	2.0.14E-01	2.2.24E-01	2.3.36E-01	2.5.47E-01	2.6.76E-01	2.6.76E-01	2.6.76E-01	2.6.76E-01	2.5.42E-01
2.000E-02----5.00E-02	5.5.20E-02	5.6.63E-02	5.7.52E-02	5.8.67E-02	5.9.74E-02	6.0.65E-02	6.1.94E-02	6.1.75E-02	6.9.20E-02

4 PI R**2 FLUENCE AT 1200.0 METERS

6.36 TO 8.187 MEV NEUTRON SOURCE

(GAMMAS/MEV/STERADIAN/SOURCE NEUTRON)												
ENERGY GROUP (MEV)	ANGLE 1 MU=-1.0000	ANGLE 2 MU=-0.9894	ANGLE 3 MU=-0.9446	ANGLE 4 MU=-0.8656	ANGLE 5 MU=-0.7550	ANGLE 6 MU=-0.6179	ANGLE 7 MU=-0.4580	ANGLE 8 MU=-0.2816	ANGLE 9 MU=-0.0950	SCALAR	FLUX	
8.00E 0(-1, 1)E 01	1.636E-06	1.399E-06	1.697E-06	1.786E-06	1.911E-06	2.081E-06	2.317E-06	2.652E-06	3.130E-06	2.422E-05	7.422E-05	
6.50E 0(-1,-6, 0)E 00	3.445E-06	3.498E-06	3.697E-06	4.003E-06	4.329E-06	4.677E-06	5.153E-06	5.829E-06	6.887E-06	4.984E-06	1.944E-06	
5.00E 0(-1,-6, 5)E 00	5.162E-05	6.955E-05	8.758E-05	9.951E-05	9.845E-05	6.218E-05	4.411E-05	3.825E-05	6.090E-05	1.402E-04	1.033E-04	
4.00E 0(-1,-5, 0)E 00	-9.423E-06	1.541E-05	5.304E-05	8.165E-05	8.165E-05	6.218E-05	4.411E-05	3.825E-05	6.090E-05	1.402E-04	1.033E-04	
3.00E 0(-1,-4, 0)E 00	-8.060E-06	3.765E-06	3.815E-05	8.165E-05	1.038E-04	9.340E-05	7.328E-05	7.328E-05	7.328E-05	1.072E-04	1.072E-04	
2.50E 0(-1,-3, 0)E 00	-3.029E-06	6.790E-06	7.278E-05	7.278E-05	8.915E-05	8.075E-05	6.474E-05	6.938E-05	1.075E-04	1.075E-04	1.075E-04	
2.00E 0(-1,-2, 5)E 00	7.339E-05	7.705E-05	8.936E-05	1.036E-04	1.109E-04	1.135E-04	1.212E-04	1.454E-04	1.887E-04	1.887E-04	1.887E-04	
1.66E 0(-1,-2, 0)E 00	1.071E-04	1.013E-04	8.158E-05	5.848E-05	5.061E-05	6.545E-05	9.918E-05	1.362E-04	1.614E-04	1.614E-04	1.614E-04	
1.33E 0(-1,-1, 6)E 00	1.676E-04	1.141E-04	5.110E-05	3.865E-05	3.865E-05	7.780E-05	1.357E-04	1.934E-04	2.069E-04	2.069E-04	2.069E-04	
1.00E 0(-1,-1, 3)E 00	1.572E-04	1.392E-04	6.898E-05	1.678E-05	1.654E-05	5.430E-05	1.262E-04	1.642E-04	1.622E-04	1.622E-04	1.622E-04	
8.00E 0(-1,-1, 0)E 00	3.697E-05	3.896E-05	4.864E-05	6.945E-05	9.793E-05	1.233E-04	1.366E-04	1.542E-04	1.542E-04	1.542E-04	1.542E-04	
6.00E 0(-1,-8, 0)E 01	-9.399E-05	-5.985E-05	3.646E-05	1.703E-04	2.186E-04	2.025E-04	1.744E-04	2.778E-04	1.488E-04	1.488E-04	1.488E-04	
4.00E 0(-1,-6, 0)E 01	-7.997E-04	8.007E-04	8.078E-04	8.371E-04	9.314E-04	1.163E-03	1.618E-03	2.345E-03	3.316E-03	3.316E-03	3.316E-03	
3.00E 0(-1,-4, 0)E 01	1.246E-03	1.274E-03	1.425E-03	1.810E-03	2.509E-03	3.497E-03	4.600E-03	5.580E-03	6.253E-03	6.253E-03	6.253E-03	
2.00E 0(-1,-3, 0)E 01	9.918E-03	9.946E-03	1.004E-02	1.014E-02	1.014E-02	1.005E-02	9.890E-03	9.791E-03	9.869E-03	9.869E-03	9.869E-03	
1.00E 0(-1,-2, 0)E 01	2.599E-02	2.605E-02	2.630E-02	2.676E-02	2.742E-02	2.830E-02	2.940E-02	3.075E-02	3.236E-02	3.236E-02	3.236E-02	
5.00E 0(-1,-1, 0)E 01	8.168E-02	8.183E-02	8.245E-02	8.361E-02	8.528E-02	8.751E-02	9.030E-02	9.366E-02	9.760E-02	9.760E-02	9.760E-02	
2.00E 0(-2,-5, 0)E 02	2.539E-02	2.541E-02	2.550E-02	2.565E-02	2.588E-02	2.617E-02	2.653E-02	2.695E-02	2.743E-02	2.743E-02	2.743E-02	
ENERGY GROUP (MEV)	ANGLE 10 MU= 0.0950	ANGLE 11 MU= 0.2816	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9894	SCALAR	FLUX		
8.00E 00(-1, 0)E 01	3.818E-06	4.821E-06	6.315E-06	8.597E-06	1.210E-05	2.732E-05	2.428E-05	3.120E-05	7.422E-05	7.422E-05	7.422E-05	
6.50E 00(-6, 0)E 00	8.498E-06	1.865E-06	1.412E-05	1.924E-05	2.773E-05	4.293E-05	7.498E-05	1.996E-04	1.996E-04	1.996E-04	1.996E-04	
5.00E 00(-6, 5)E 00	2.432E-04	3.261E-04	4.497E-04	7.241E-04	1.458E-03	3.755E-03	1.539E-02	7.494E-03	7.494E-03	7.494E-03	7.494E-03	
4.00E 00(-5, 0)E 00	1.090E-04	1.595E-04	1.930E-04	2.365E-04	4.255E-04	1.109E-03	3.213E-03	1.087E-02	5.159E-03	5.159E-03	5.159E-03	
3.00E 00(-4, 0)E 00	2.407E-04	2.892E-04	3.758E-04	4.719E-04	7.676E-03	4.699E-03	1.429E-02	7.553E-02	7.553E-02	7.553E-02	7.553E-02	
2.50E 00(-3, 0)E 00	1.681E-04	2.251E-04	2.774E-04	4.135E-04	8.830E-04	2.182E-03	5.268E-03	1.263E-02	7.827E-03	7.827E-03	7.827E-03	
2.00E 00(-2, 5)E 00	2.434E-04	3.075E-04	4.205E-04	7.151E-04	1.466E-03	3.154E-03	6.623E-03	1.419E-02	1.063E-02	1.063E-02	1.063E-02	
1.66E 00(-2, 0)E 00	1.776E-04	2.255E-04	3.996E-04	8.592E-04	1.833E-03	3.633E-03	6.697E-03	1.059E-02	1.187E-02	1.187E-02	1.187E-02	
1.33E 00(-1, 5)E 00	1.992E-04	1.976E-04	6.130E-04	1.355E-03	2.634E-03	4.536E-03	7.152E-03	1.079E-02	1.272E-02	1.272E-02	1.272E-02	
1.00E 00(-1, 3)E 00	1.034E-04	2.022E-04	2.107E-03	3.586E-03	5.261E-03	8.832E-03	1.452E-02	1.452E-02	1.452E-02	1.452E-02	1.452E-02	
8.00E 00(-1, 0)E 00	1.059E-04	1.996E-04	1.988E-03	3.239E-03	4.620E-03	8.846E-03	1.696E-02	1.877E-02	1.877E-02	1.877E-02	1.877E-02	
6.00E 00(-1, 0)E 00	1.345E-04	2.305E-03	3.402E-03	4.452E-03	5.366E-03	6.627E-03	7.056E-03	7.056E-03	2.540E-02	2.540E-02	2.540E-02	
4.00E 00(-6, 0)E 01	4.405E-03	5.434E-03	6.260E-03	6.872E-03	7.421E-03	8.136E-03	9.119E-03	1.011E-02	5.169E-02	5.169E-02	5.169E-02	
3.00E 00(-4, 0)E 01	6.617E-03	6.858E-03	7.241E-03	7.928E-03	8.850E-03	9.742E-03	1.033E-02	1.033E-02	1.055E-02	1.055E-02	1.055E-02	
2.00E 00(-3, 0)E 01	1.019E-02	1.019E-02	1.142E-02	1.219E-02	1.292E-02	1.382E-02	1.517E-02	1.517E-02	1.517E-02	1.517E-02	1.517E-02	
1.00E 00(-2, 0)E 01	3.425E-02	3.679E-02	4.127E-02	4.380E-02	4.616E-02	4.810E-02	4.931E-02	4.931E-02	4.931E-02	4.931E-02	4.931E-02	
5.00E 00(-1, 0)E 01	1.021E-01	1.021E-01	1.177E-01	1.229E-01	1.276E-01	1.313E-01	1.335E-01	1.335E-01	1.286E-00	1.286E-00	1.286E-00	
2.00E 00(-5, 0)E 02	2.795E-02	2.851E-02	2.908E-02	2.963E-02	3.014E-02	3.057E-02	3.109E-02	3.109E-02	3.503E-01	3.503E-01	3.503E-01	

4 PI R**2 FLUX AT 1500.0 METERS

6.36 TO 8.187 MEV NEUTRON SOURCE

(GAMMAS/MEV/STERADIAN/SOURCE NEUTRON)									
ENERGY GROUP (MEV)	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
8.00E 00---1.00E 01	MU=-1.0000	MU=-0.9446	MU=-0.8656	MU=-0.7550	MU=-0.6179	MU=-0.4580	MU=-0.2816	MU=-0.0950	MU=-0.439E-06
8.50E 00---8.00E 00	7.060E-07	7.133E-07	7.897E-07	8.508E-07	9.221E-07	9.230E-06	2.550E-06	2.541E-06	3.078E-06
5.00E 00---6.50E 00	1.413E-06	1.447E-06	1.569E-06	1.744E-06	1.906E-06	2.050E-06	2.230E-06	2.502E-06	3.474E-05
4.00E 00---5.00E 00	1.502E-05	1.718E-05	2.465E-05	3.393E-05	3.925E-05	2.197E-05	2.829E-05	3.800E-05	4.064E-05
3.00E 00---4.00E 00	-1.761E-05	-1.220E-05	1.847E-05	8.756E-06	3.307E-05	4.092E-05	3.460E-05	2.138E-05	9.098E-06
2.50E 00---3.00E 00	-1.491E-05	-8.371E-06	8.521E-06	8.500E-06	2.763E-05	2.288E-05	2.701E-05	1.727E-05	1.934E-06
2.00E 00---2.50E 00	-1.080E-05	-2.298E-05	2.437E-05	2.890E-05	3.259E-05	3.509E-05	3.492E-05	3.764E-05	6.492E-05
1.66E 00---2.00E 00	4.740E-05	4.362E-05	3.060E-05	1.478E-05	1.012E-05	1.892E-05	3.544E-05	5.277E-05	5.969E-05
1.33E 00---1.66E 00	8.254E-05	7.362E-05	3.675E-05	9.463E-06	3.850E-06	2.385E-05	5.489E-05	7.630E-05	7.085E-05
1.00E 00---1.33E 00	7.030E-05	6.106E-05	2.622E-05	-2.450E-07	-7.724E-07	1.944E-05	5.324E-05	6.568E-05	5.677E-05
8.00E-01---1.00E 00	2.357E-06	4.448E-06	1.240E-05	2.605E-05	4.043E-05	4.867E-05	4.822E-05	5.134E-05	9.412E-05
6.00E-01---8.00E-01	-6.306E-05	-4.549E-05	5.110E-06	7.214E-05	9.167E-05	7.733E-05	5.814E-05	1.141E-04	3.117E-04
4.00E-01---6.00E-01	3.638E-04	3.628E-04	3.612E-04	3.699E-04	4.151E-04	5.351E-04	7.703E-04	1.140E-03	1.617E-03
3.00E-01---4.00E-01	5.465E-04	5.625E-04	6.463E-04	8.504E-04	8.209E-03	1.701E-03	2.233E-03	2.971E-03	4.586E-03
2.00E-01---3.00E-01	4.799E-03	4.810E-03	4.844E-03	4.870E-03	4.886E-03	4.766E-03	4.658E-03	4.582E-03	4.597E-03
1.00E-01---2.00E-01	1.223E-02	1.235E-02	1.257E-02	1.288E-02	1.329E-02	1.380E-02	1.442E-02	1.515E-02	1.515E-02
5.00E-02---1.00E-01	3.839E-02	3.846E-02	3.875E-02	3.929E-02	4.006E-02	4.109E-02	4.391E-02	4.571E-02	4.571E-02
2.00E-02---5.00E-02	1.185E-02	1.190E-02	1.194E-02	1.201E-02	1.211E-02	1.241E-02	1.260E-02	1.282E-02	1.282E-02
ENERGY GROUP (MEV)	ANGLE 10	ANGLE 11	ANGLE 12	ANGLE 13	ANGLE 14	ANGLE 15	ANGLE 16	ANGLE 17	SCALAR FLUX
8.00E 00---1.00E 01	MU= 0.0900	MU= 0.2816	MU= 0.4580	MU= 0.6179	MU= 0.7550	MU= 0.8656	MU= 0.9446	MU= 0.9894	4.293E-05
6.50E 00---8.00E 00	1.801E-06	2.368E-06	3.211E-06	4.647E-06	7.122E-06	1.134E-05	1.778E-05	2.546E-05	1.081E-04
5.00E 00---6.50E 00	3.912E-06	5.126E-06	5.126E-06	9.895E-06	1.530E-05	2.568E-05	4.734E-05	1.220E-04	1.081E-04
4.00E 00---5.00E 00	4.460E-05	6.727E-05	1.003E-04	1.312E-04	1.795E-04	2.996E-04	6.522E-04	7.971E-03	3.461E-03
3.00E 00---4.00E 00	6.905E-05	9.671E-05	1.711E-04	1.306E-04	1.615E-04	5.134E-04	1.637E-03	5.693E-03	2.429E-03
2.50E 00---3.00E 00	8.450E-05	8.439E-05	9.675E-05	1.504E-04	2.826E-04	8.222E-04	2.321E-04	6.952E-03	3.410E-03
2.00E 00---2.50E 00	8.357E-05	1.027E-04	1.450E-05	2.812E-04	3.825E-04	1.055E-03	2.233E-03	6.151E-03	3.575E-03
1.66E 00---2.00E 00	5.676E-05	7.056E-05	1.547E-04	3.919E-04	6.529E-04	1.493E-04	3.159E-03	6.444E-03	4.642E-03
1.32E 00---1.66E 00	5.645E-05	9.318E-05	2.651E-04	8.907E-04	1.784E-03	3.242E-03	5.416E-03	6.854E-03	4.854E-03
1.00E 00---1.33E 00	7.037E-05	1.933E-04	5.136E-04	6.518E-04	1.297E-03	2.203E-03	3.351E-03	4.744E-03	5.807E-03
8.00E 00---1.00E 00	2.339E-04	5.280E-04	1.001E-03	1.611E-03	1.791E-03	2.446E-03	3.192E-03	3.662E-03	6.890E-03
6.00E 00---8.00E 00	6.735E-04	1.158E-03	1.679E-03	2.146E-03	2.511E-03	2.755E-03	3.031E-03	3.099E-03	8.903E-03
4.00E 00---6.00E 00	2.137E-03	2.602E-03	2.948E-03	3.182E-03	3.87E-03	2.781E-03	2.886E-03	3.135E-03	1.201E-02
3.00E 00---4.00E 00	3.100E-03	3.175E-03	3.332E-03	3.639E-03	4.065E-03	4.411E-03	4.615E-03	4.660E-03	5.807E-02
2.00E 00---3.00E 00	4.730E-03	4.965E-03	5.262E-03	5.532E-03	5.909E-03	6.422E-03	6.857E-03	6.785E-03	6.333E-02
1.00E 00---2.00E 00	1.601E-02	1.697E-02	1.802E-02	1.912E-02	2.021E-02	2.121E-02	2.201E-02	2.251E-02	2.088E-01
5.00E 00---6.00E 00	4.772E-02	4.996E-02	5.231E-02	5.470E-02	5.699E-02	5.902E-02	6.060E-02	6.154E-02	6.033E-01
2.00E 00---5.00E 00	1.300E-02	1.351E-02	1.356E-02	1.381E-02	1.403E-02	1.422E-02	1.433E-02	1.445E-02	1.633E-01

4 PI R**2 FLUENCE AT 1800.0 METERS

6.36 TO 8.187 MEV NEUTRON SOURCE

(GAMMAS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU= -1.0000	ANGLE 2 MU= -0.9894	ANGLE 3 MU= -0.9446	ANGLE 4 MU= -0.8656	ANGLE 5 MU= -0.7550	ANGLE 6 MU= -0.6179	ANGLE 7 MU= -0.4580	ANGLE 8 MU= -0.2816	ANGLE 9 MU= -0.0950
8.00E 00---1.00E 01	2.035E-07	2.678E-07	2.841E-07	3.090E-07	3.655E-07	4.059E-07	4.708E-07	5.759E-07	
6.50E 00---8.00E 00	4.04E-07	5.112E-07	6.827E-07	7.567E-07	8.028E-07	8.537E-07	9.710E-07	1.209E-07	
5.00E 00---6.50E 00	2.089E-06	4.117E-06	7.951E-06	1.554E-05	1.486E-05	1.437E-05	1.270E-05	1.318E-05	1.829E-05
4.00E 00---5.00E 00	-1.138E-05	-8.608E-06	1.387E-07	7.253F-06	1.275E-05	8.322E-06	7.759E-07	6.614E-07	5.813E-06
3.00E 00---4.00E 00	-1.099E-06	-1.142E-06	1.114E-06	1.610E-05	1.216E-05	4.422E-06	1.218E-05	4.360E-06	4.389E-06
2.50E 00---3.00E 00	-7.955E-06	-5.643E-06	1.357E-06	1.031E-05	1.211E-05	8.466E-06	2.538E-06	1.227E-05	
2.00E 00---2.50E 00	7.361E-06	7.812E-06	9.221E-06	1.035E-05	1.039E-05	9.978E-06	1.120E-05	1.50E-05	2.211E-05
1.66E 00---2.00E 00	3.150E-05	1.928E-05	1.108E-05	2.340E-06	3.211E-07	4.341E-06	3.339E-05	2.087E-05	2.095E-05
1.33E 00---1.66E 00	3.722E-05	3.256E-05	1.453E-05	-6.230E-07	-3.657E-06	5.043E-06	2.181E-05	3.047E-05	2.365E-05
1.00E 00---1.33E 00	3.075E-05	2.626E-05	9.715E-06	-2.990E-06	-0.084E-06	6.706E-06	2.201E-05	2.521E-05	1.787E-05
8.00E-01---1.00E 00	-4.783E-06	-3.316E-06	1.685E-06	1.001E-05	1.644E-05	1.886E-05	1.556E-05	1.491E-05	3.622E-05
6.00E-01---8.00E-01	-2.726E-05	-2.586E-05	7.682E-05	5.586E-05	4.073E-05	2.653E-05	1.848E-05	4.520E-05	1.462E-05
4.00E-01---6.00E-01	1.622E-04	1.610E-04	1.580E-04	1.598E-04	1.807E-04	2.399E-04	3.558E-04	5.344E-04	7.603E-04
3.00E-01---4.00E-01	2.334E-04	2.419E-04	2.856E-04	3.880E-04	5.630E-04	7.975E-04	1.064E-03	1.245E-03	1.362E-03
2.00E-01---3.00E-01	2.238E-03	2.242E-03	2.542E-03	2.527E-03	2.184E-03	2.121E-03	2.075E-03	2.073E-03	2.075E-03
1.00E-01---2.00E-01	5.536E-03	5.549E-03	5.604E-03	5.703E-03	5.843E-03	6.027E-03	6.254E-03	6.529E-03	6.853E-03
5.00E-02---1.00E-01	1.739E-02	1.742E-02	1.755E-02	1.779E-02	1.813E-02	1.859E-02	1.915E-02	1.983E-02	2.062E-02
2.00E-02---5.00E-02	5.366E-03	5.370E-03	5.387E-03	5.418E-03	5.464E-03	5.522E-03	5.594E-03	5.678E-03	5.773E-03

$^4\text{PI R}^{**2}\text{ HENDERSON DOSE (NEUTRONS)}$
 $(\text{CM}^{**2} \text{ RAD/STERADIANSOURCE NEUTRON})$

6.360 TO 8.187 MEV NEUTRON SOURCE

COSINE	75.0	100.0	150.0	RANGE (METERS)	250.0	300.0	400.0
-1.00C00E 00	7.898E-11	9.615E-11	1.214E-10	1.368E-10	1.444E-10	1.462E-10	1.379E-10
-9.89401E-01	7.886E-11	9.599E-11	1.212E-10	1.367E-10	1.443E-10	1.462E-10	1.380E-10
-9.44575E-01	9.5C9E-11	1.205E-10	1.360E-10	1.439E-10	1.459E-10	1.381E-10	1.394E-10
-8.65631E-01	7.654E-11	9.328E-11	1.187E-10	1.354E-10	1.435E-10	1.463E-10	1.394E-10
-7.55044E-01	7.703E-11	9.401E-11	1.202E-10	1.373E-10	1.466E-10	1.499E-10	1.430E-10
-6.17876E-01	8.018E-11	9.796E-11	1.250E-10	1.437E-10	1.537E-10	1.568E-10	1.500E-10
-4.58017E-01	8.679E-11	1.061E-10	1.359E-10	1.554E-10	1.659E-10	1.614E-10	
-2.81605E-01	9.695E-11	1.186E-10	1.514E-10	1.725E-10	1.834E-10	1.868E-10	1.773E-10
-9.50125E-02	1.101E-10	1.346E-10	1.712E-10	1.941E-10	2.056E-10	2.089E-10	1.974E-10
9.50125E-02	1.282E-10	1.875E-10	2.068E-10	2.245E-10	2.424E-10		
2.81605E-01	1.566E-10	1.713E-10	2.149E-10	2.559E-10	2.703E-10	2.659E-10	2.521E-10
4.58017E-01	1.961E-10	2.310E-10	2.561E-10	2.872E-10	3.033E-10	3.138E-10	2.945E-10
6.17876E-01	2.500E-10	2.718E-10	3.320E-10	3.675E-10	3.872E-10	3.859E-10	3.643E-10
7.55044E-01	5.C24E-10	4.486E-10	4.486E-10	4.486E-10	5.197E-10	4.979E-10	4.893E-10
8.65631E-01	1.194E-C9	7.748E-C9	7.671E-10	8.099E-10	8.208E-10	8.069E-10	7.329E-10
9.44575E-01	2.869E-09	2.668E-09	2.055E-09	1.805E-09	1.663E-09	1.545E-C9	1.299E-09
9.894C1E-01	1.459E-08	1.477E-08	1.365E-08	1.180E-08	9.915E-09	8.257E-C9	5.640E-09
TOTAL	6.054E-09	5.982E-C9	5.903E-09	5.784E-09	5.561E-09	5.268E-C9	4.524E-09
COSINE	500.0	600.0	900.0	RANGE (METERS)	1200.0	1500.0	1800.0
-1.00C00E 00	1.210E-10	1.C11E-10	4.911E-11	2.009E-11	7.385E-12	2.519E-12	
-9.89401E-01	1.211E-10	1.C12E-10	4.92CE-11	2.014E-11	7.403E-12	2.525E-12	
-9.44575E-01	1.215E-10	1.C18E-10	4.962E-11	2.044E-11	7.485E-12	2.555E-12	
-8.65631E-C1	1.231E-10	1.033E-10	5.056E-11	2.077E-11	7.651E-12	2.613E-12	
-7.55044E-01	1.265E-10	1.C64E-10	5.221E-11	2.148E-11	7.919E-12	2.706E-12	
-6.17876E-01	1.328E-10	1.117E-10	5.483E-11	2.256E-11	8.317E-12	2.842E-12	
-4.58017E-01	1.426E-10	1.197E-10	5.862E-11	2.408E-11	8.868E-12	3.028E-12	
-2.81605E-01	1.561E-10	1.308E-10	6.770E-11	2.610E-11	9.597E-12	3.274E-12	
-9.50125E-02	1.732E-10	1.447E-10	7.C19E-11	2.869E-11	1.053E-11	3.589E-12	
9.50125E-02	1.942E-10	1.620E-10	7.838E-11	3.198E-11	1.173E-11	3.994E-12	
2.81605E-01	2.207E-10	1.842E-10	8.901E-11	3.631E-11	1.33CE-11	4.523E-12	
4.58017E-01	2.583E-10	2.155E-10	1.041E-10	4.233E-11	1.546E-11	5.246E-12	
6.17876E-01	3.184E-10	2.650E-10	1.269E-10	5.123E-11	1.866E-11	6.276E-12	
7.55044E-01	4.229E-10	3.497E-10	1.639E-10	6.5C3E-11	2.331E-11	7.788E-12	
8.65631E-01	6.219E-10	5.042E-10	2.267E-10	8.729E-11	3.060E-11	1.006E-11	
9.44575E-01	1.052E-C9	8.230E-10	3.430E-10	1.255E-10	4.24CE-11	1.356E-11	
9.894C1E-01	3.820E-C9	2.577E-09	7.822E-10	2.354E-10	6.993E-11	2.050E-11	
TOTAL	3.727E-C9	2.976E-09	1.326E-09	5.167E-10	1.84CE-10	6.136E-11	

4 PI R**2 SNUOER-NEUFFELD DOSE (NEUTRONS)
(C**2 RAD/STERADIAN/SOURCE NEUTRON)

6.360 TO 8.187 MEV NEUTRON SOURCE

COSINE	75.0	100.0	150.0	RANGE (METERS)	200.0	300.0	400.0
				2CC.0	250.0	300.0	
-1.00000E+00	1.083E-10	1.328E-10	1.704E-10	1.955E-10	2.101E-10	2.165E-10	2.113E-10
-9.89401E-01	1.326E-10	1.733E-10	1.954E-10	2.101E-10	2.165E-10	2.113E-10	2.115E-10
-9.44575E-01	1.073E-10	1.316E-10	1.693E-10	1.947E-10	2.097E-10	2.163E-10	2.118E-10
-8.65631E-01	1.052E-10	1.292E-10	1.673E-10	1.936E-10	2.095E-10	2.172E-10	2.140E-00
-7.55044E-01	1.304E-10	1.696E-10	1.970E-10	2.060E-10	2.239E-10	2.323E-10	2.294E-10
-6.17876E-01	1.194E-10	1.359E-10	1.770E-10	2.221E-10	2.408E-10	2.496E-10	2.455E-10
-4.58017E-01	1.195E-10	1.471E-10	1.913E-10	2.216E-10	2.458E-10	2.652E-10	2.679E-10
-2.81605E-01	1.335E-10	1.642E-10	2.126E-10	2.458E-10	2.741E-10	2.961E-10	2.961E-10
-9.50125E-02	1.516E-10	1.864E-10	2.400E-10	2.757E-10	2.966E-10	3.049E-10	3.049E-10
9.50125E-02	1.764E-10	2.592E-10	2.887E-10	3.015E-10	3.228E-10	3.442E-10	3.298E-10
2.81605E-01	2.153E-10	2.371E-10	3.002E-10	3.610E-10	3.856E-10	3.726E-10	3.726E-10
4.58017E-01	2.713E-10	3.191E-10	3.599E-10	4.041E-10	4.310E-10	4.501E-10	4.313E-10
6.17876E-01	3.497E-10	3.771E-10	4.630E-10	5.150E-10	5.469E-10	5.498E-10	5.278E-10
7.55044E-01	7.140E-10	6.289E-10	6.388E-10	6.967E-10	7.314E-10	7.455E-10	7.016E-10
8.65631E-01	1.712E-C9	1.099E-C9	1.76E-09	1.135E-09	1.154E-09	1.043E-09	1.043E-09
9.44575E-01	4.139E-C9	3.835E-09	2.931E-09	2.560E-09	2.352E-09	2.185E-C9	1.843E-09
9.89401E-01	2.121E-C8	2.144E-08	1.978E-C8	1.706E-08	1.432E-08	1.190E-C8	8.114E-09
TOTAL	8.665E-C9	8.529E-C9	8.397E-09	8.242E-09	7.957E-09	7.582E-C9	6.608E-09

COSINE	500.0	600.0	RANGE (METERS)	900.0	1200.0	1500.0	1800.0
				900.0	1200.0	1500.0	
-1.00000E+00	1.915E-10	1.649E-10	8.648E-11	3.757E-11	1.446E-11	5.114E-11	5.114E-12
-9.89401E-01	1.917E-10	1.651E-10	8.664E-11	3.765E-11	1.450E-11	5.126E-12	5.126E-12
-9.44575E-01	1.924E-10	1.660E-10	8.735E-11	3.800E-11	1.464E-11	5.177E-12	5.177E-12
-8.65631E-01	1.949E-10	1.685E-10	8.887E-11	3.870E-11	1.492E-11	5.278E-12	5.278E-12
-7.55044E-01	1.731E-10	9.146E-11	9.146E-11	3.985E-11	1.536E-11	5.434E-12	5.434E-12
-6.17876E-01	2.092E-10	1.809E-10	9.466E-11	4.155E-11	1.600E-11	5.658E-12	5.658E-12
-4.58017E-01	2.233E-10	1.926E-10	1.011E-10	4.390E-11	1.688E-11	5.959E-12	5.959E-12
-2.81605E-01	2.425E-10	2.085E-10	1.087E-10	4.699E-11	1.802E-11	6.351E-12	6.351E-12
-9.50125E-02	2.668E-10	2.285E-10	1.183E-10	5.090E-11	1.946E-11	6.846E-12	6.846E-12
9.50125E-02	2.964E-10	2.531E-10	1.202E-10	5.582E-11	2.128E-11	7.470E-12	7.470E-12
2.81605E-01	3.336E-10	2.844E-10	1.466E-10	6.217E-11	2.363E-11	8.211E-12	8.211E-12
4.58017E-01	3.958E-10	3.283E-10	1.670E-10	7.086E-11	2.679E-11	9.341E-12	9.341E-12
6.17876E-01	4.693E-10	3.972E-10	1.992E-10	8.353E-11	3.136E-11	1.084E-11	1.084E-11
7.55044E-01	6.160E-10	5.152E-10	2.509E-10	1.033E-10	3.799E-11	1.300E-11	1.300E-11
8.65631E-01	8.931E-10	7.313E-10	3.389E-10	1.343E-10	4.836E-11	1.622E-11	1.622E-11
9.44575E-01	1.500E-C9	1.181E-09	5.227E-10	1.881E-10	6.493E-11	2.117E-11	2.117E-11
9.89401E-01	5.491E-C9	3.706E-09	1.134E-09	3.453E-10	1.042E-10	3.105E-11	3.105E-11
TOTAL	5.537E-C9	4.500E-C9	2.112E-C9	8.609E-10	3.181E-10	1.093E-10	

(CM**2 ERGS/GRAM/STERADIAN/SOURCE NEUTRON)

6.360 TO 8.187 MEV NEUTRON SOURCE

COSINE	75.0	10C.0	15C.0	RANGE (METERS)	25C.0	300.0	400.0
-1.00000E 0C	8.C30E-C9	9.793E-09	1.241E-08	1.404E-08	1.488E-08	1.512E-C8	1.437E-08
-9.89401E-01	8.020E-C9	9.778E-09	1.239E-08	1.403E-08	1.487E-08	1.512E-C8	1.438E-08
-9.4475E-01	9.949E-C9	9.693E-09	1.231E-08	1.396E-08	1.483E-08	1.50E-C8	1.439E-08
-8.65631E-01	7.792E-09	9.512E-09	1.215E-08	1.387E-08	1.480E-08	1.514E-08	1.454E-08
-7.55044E-01	7.845E-09	9.591E-09	1.231E-C8	1.411E-08	1.512E-08	1.55E-C8	1.490E-08
-6.17676E-01	8.168E-09	9.995E-09	1.285E-08	1.476E-08	1.584E-08	1.623E-C8	1.563E-08
-4.58017E-01	8.841E-09	1.083E-08	1.391E-C8	1.596E-08	1.709E-08	1.749E-C8	1.679E-08
-2.81605E-01	9.878E-C9	1.210E-08	1.549E-08	1.777E-08	1.888E-08	1.828E-08	1.842E-08
-9.50125E-02	1.122E-C8	1.374E-08	1.752E-08	1.992E-08	2.115E-08	2.155E-08	2.048E-08
9.50125E-02	1.307E-C8	1.915E-08	2.114E-08	2.182E-08	2.308E-08	2.444E-08	2.294E-08
2.81605E-01	1.597E-C8	1.750E-08	2.197E-08	2.623E-08	2.778E-08	2.738E-08	2.608E-08
4.58017E-01	2.C07E-C8	2.359E-08	2.662E-08	2.943E-08	3.114E-08	3.288E-C8	3.042E-C8
6.17676E-01	2.576E-C8	3.467E-08	3.767E-08	3.976E-08	3.975E-08	3.756E-08	3.756E-08
7.52044E-01	5.228E-08	4.628E-08	4.705E-08	5.110E-08	5.339E-08	5.416E-08	5.042E-08
8.65631E-01	1.249E-07	8.051E-08	7.915E-08	8.341E-08	8.454E-08	8.213E-08	7.559E-08
9.44575E-01	3.012E-C7	2.795E-07	2.143E-07	1.875E-07	1.723E-07	1.599E-C7	1.344E-07
9.89401E-01	1.539E-C6	1.556E-C6	1.437E-06	1.240E-C6	1.041E-06	8.664E-C7	5.907E-07
TOTAL	6.325E-07	6.231E-C7	6.129E-07	5.996E-07	5.761E-07	5.459E-C7	4.694E-07
COSINE	500.0	600.0	RANGE (METERS)	900.0	1260.0	1500.0	1800.0
-1.00000E CO	1.270E-C8	1.069E-C8	5.286E-C9	2.195E-09	8.164E-10	2.810E-10	
-9.89401E-01	1.271E-C8	1.070E-C8	5.296E-C9	2.200E-09	8.185E-10	2.818E-10	
-9.44575E-01	1.275E-C8	1.076E-C8	5.222E-09	2.222E-09	8.273E-10	2.850E-10	
-8.65631E-01	1.292E-C8	1.092E-C8	5.441E-C9	2.268E-09	8.450E-10	2.912E-10	
-7.55044E-01	1.328E-C8	1.124E-08	5.614E-C9	2.343E-09	8.735E-10	3.012E-10	
-6.17676E-01	1.393E-C8	1.179E-08	5.887E-C9	2.456E-09	9.156E-10	3.156E-10	
-4.58017E-01	1.493E-C8	1.262E-08	6.280E-C9	2.615E-09	9.736E-10	3.353E-10	
-2.81605E-01	1.632E-C8	1.375E-08	6.807E-C9	2.826E-09	1.050E-09	3.612E-10	
-9.50125E-02	1.808E-C8	1.519E-C8	7.478E-09	3.095E-09	1.148E-09	3.943E-10	
9.50125E-02	2.022E-C8	1.696E-08	8.322E-C9	3.436E-09	1.272E-09	4.366E-10	
2.81605E-01	2.294E-C8	1.923E-08	9.422E-09	3.883E-09	1.435E-09	4.916E-10	
4.58017E-01	2.678E-C8	2.244E-08	1.096E-08	4.502E-09	1.658E-09	5.666E-10	
6.17676E-01	3.294E-08	2.751E-08	1.331E-08	5.416E-09	1.981E-09	6.725E-10	
7.52044E-01	4.378E-C8	3.621E-C8	1.71CE-08	6.835E-09	2.465E-09	8.282E-10	
8.65631E-01	6.423E-C8	5.216E-08	2.357E-08	9.128E-09	3.217E-09	1.062E-C9	
9.44575E-01	1.C88E-C7	8.521E-C8	3.561E-08	1.308E-08	4.436E-09	1.424E-C9	
9.89401E-01	3.995E-C7	2.693E-C7	8.169E-08	2.456E-08	7.307E-09	2.146E-C9	
TOTAL	3.877E-C7	3.105E-C7	1.398E-C7	5.499E-08	1.974E-08	6.631E-09	

4 PI R**2 MID-PHANTOM DOSE (NEUTRONS)
(CN**2 RAD/STERADIAN/SOURCE NEUTRON)

6.360 TO 8.187 MEV NEUTRON SOURCE

COSINE	75.0	100.0	150.0	RANGE (METERS)	200.0	250.0	300.0	400.0
-1.00000E+00	4.037E-11	5.764E-11	6.249E-11	6.384E-11	6.289E-11	5.680E-11		
-9.89401E-01	4.064E-11	4.796E-11	5.757E-11	6.242E-11	6.380E-11	6.287E-11	5.681E-11	
-9.44575E-01	4.028E-11	4.750E-11	5.711E-11	6.203E-11	6.348E-11	6.257E-11	5.669E-11	
-8.65631E-01	4.633E-11	5.603E-11	6.676E-11	6.121E-11	6.525E-11	6.427E-11	5.871E-11	
-7.50444E-01	3.957E-11	4.673E-11	5.676E-11	6.236E-11	6.450E-11	6.427E-11	5.871E-11	
-6.17876E-01	4.143E-11	4.898E-11	5.668E-11	6.575E-11	6.814E-11	6.768E-11	6.206E-11	
-4.58017E-01	4.537E-11	5.375E-11	5.556E-11	7.221E-11	7.421E-11	6.777E-11		
-2.81605E-01	5.153E-11	6.120E-11	7.457E-11	8.191E-11	8.438E-11	8.364E-11	7.593E-11	
-9.50125E-02	5.958E-11	7.087E-11	8.616E-11	9.244E-11	9.666E-11	9.559E-11	8.626E-11	
9.50125E-02	7.034E-11	1.022E-10	1.036E-10	1.063E-10	1.063E-10	1.022E-10	9.847E-11	
2.81605E-01	8.722E-11	9.351E-11	1.130E-10	1.274E-10	1.305E-10	1.260E-10	1.138E-10	
4.58017E-01	1.142E-10	1.305E-10	1.361E-10	1.475E-10	1.511E-10	1.511E-10	1.357E-10	
6.17876E-01	1.543E-10	1.551E-10	1.807E-10	1.926E-10	1.973E-10	1.928E-10	1.742E-10	
7.50444E-01	2.798E-10	2.641E-10	2.731E-10	2.707E-10	2.819E-10	2.786E-10	2.492E-10	
8.65631E-01	8.663E-10	5.165E-10	4.731E-10	4.825E-10	4.776E-10	4.612E-10	4.048E-10	
9.44575E-01	2.094E-09	1.914E-09	1.413E-09	1.193E-09	1.067E-09	9.692E-10	7.883E-10	
9.89401E-01	1.05E-08	1.05E-08	1.013E-08	8.675E-09	7.224E-09	5.959E-09	3.991E-09	
TOTAL	4.200E-09	4.024E-09	3.761E-09	3.528E-09	3.261E-09	2.982E-09	2.414E-09	

COSINE	500.0	600.0	700.0	RANGE (METERS)	900.0	1000.0	1100.0	1200.0	1300.0	1400.0	1500.0	1600.0	1700.0	1800.0	
-1.00000E+00	4.825E-11	3.937E-11	1.837E-11	7.428E-12	2.732E-12	9.373E-13									
-9.89401E-01	4.828E-11	3.940E-11	1.840E-11	7.442E-12	2.737E-12	9.394E-13									
-9.44575E-01	4.332E-11	3.953E-11	1.853E-11	7.502E-12	2.763E-12	9.487E-13									
-8.65631E-01	4.890E-11	4.009E-11	1.886E-11	7.650E-12	2.818E-12	9.672E-13									
-7.50444E-01	5.032E-11	4.132E-11	1.948E-11	7.905E-12	2.911E-12	9.993E-13									
-6.17876E-01	4.320E-11	4.365E-11	2.053E-11	8.312E-12	3.055E-12	1.047E-12									
-4.58017E-01	5.790E-11	4.738E-11	2.212E-11	8.904E-12	3.260E-12	1.114E-12									
-2.81605E-01	6.554E-11	5.257E-11	2.428E-11	9.705E-12	3.534E-12	1.203E-12									
-9.50125E-02	7.295E-11	5.915E-11	2.704E-11	1.073E-11	3.887E-12	1.318E-12									
9.50125E-02	8.308E-11	6.718E-11	3.051E-11	1.204E-11	4.342E-12	1.467E-12									
2.81605E-01	9.385E-11	7.749E-11	3.511E-11	1.384E-11	4.959E-12	1.669E-12									
4.58017E-01	1.146E-10	9.270E-11	4.194E-11	1.642E-11	5.867E-12	1.965E-12									
6.17876E-01	1.470E-10	1.188E-10	5.333E-11	2.067E-11	7.312E-12	2.427E-12									
7.50444E-01	2.089E-10	1.675E-10	7.356E-11	2.793E-11	9.712E-12	3.178E-12									
8.65631E-01	3.334E-10	2.633E-10	1.110E-10	4.075E-11	1.380E-11	4.419E-12									
9.44575E-01	6.207E-10	4.740E-10	1.655E-10	6.463E-11	2.099E-11	6.507E-12									
9.89401E-01	2.649E-09	1.751E-09	4.998E-10	1.415E-10	3.986E-11	1.116E-11									
TOTAL	1.895E-09	1.452E-09	5.929E-09	2.189E-10	7.536E-11	2.462E-11									

⁴ PI R**2 CONCRETE KERMA (NEUTRONS)
(CH**2 ERGS/GRAM/STERADIAN/SOURCE NEUTRON)

6.360 TO 8.187 MEV NEUTRON SOURCE

COSINE	RANGE (METERS)				
	75.0	100.0	150.0	200.0	300.0
1.00000E 00	1.C28E-09	1.252E-C9	1.580E-09	1.781E-09	1.879E-09
-9.89401E-01	1.038E-C9	1.251E-C9	1.579E-C9	1.792E-C9	1.793E-09
-9.44575E-01	1.C21E-09	1.242E-09	1.571E-09	1.774E-09	1.794E-09
-8.65631E-01	1.001E-09	1.220E-C9	1.551E-09	1.762E-09	1.872E-09
-7.55044E-01	1.039E-C9	1.232E-09	1.573E-09	1.795E-09	1.802E-09
-6.18766E-01	1.052E-C9	1.284E-09	1.644E-09	1.F79E-09	2.006E-09
-4.58017E-01	1.140E-09	1.392E-C9	1.780E-09	2.L7E-09	2.166E-09
-2.81605E-01	1.276E-09	1.559E-09	1.987E-09	2.20CE-09	2.439E-09
-9.50125E-02	1.454E-09	1.775E-09	2.253E-09	2.695E-09	2.735E-09
9.50125E-02	1.697E-09	2.492E-C9	2.737E-09	2.799E-09	2.947E-09
2.81605E-01	2.075E-09	2.274E-C9	2.839E-09	3.386E-09	3.57CE-09
4.58017E-01	2.644E-09	3.C81E-C9	3.439E-09	3.808E-09	4.C09E-09
6.18766E-01	3.476E-09	3.682E-C9	4.453E-09	4.9C9E-09	5.126E-09
7.55044E-01	7.279E-C9	6.266E-C9	6.222E-C9	6.731E-09	7.006E-09
8.65631E-01	1.768E-C8	1.116E-08	1.C71E-08	1.118E-08	1.129E-08
9.44575E-01	4.312E-C8	3.975E-08	3.C01E-08	2.592E-08	2.362E-08
9.89401E-01	2.231E-07	2.251E-C7	2.071E-07	1.782E-07	1.491E-07
TOTAL	8.903E-C8	8.683E-C8	8.415E-C8	8.138E-08	7.744E-08

COSINE	RANGE (METERS)				
	500.0	600.0	900.0	1200.0	1500.0
-1.00000E 00	1.573E-C9	1.315E-09	6.399E-10	2.626E-10	9.677E-11
-9.89401E-01	1.573E-C9	1.317E-09	6.411E-10	2.632E-10	9.701E-11
-9.44575E-01	1.589E-C9	1.324E-09	6.467E-10	2.658E-10	9.808E-11
-8.65631E-01	1.602E-09	1.344E-09	6.588E-10	2.713E-10	1.002E-10
-7.55044E-01	1.644E-C9	1.384E-09	6.801E-10	2.805E-10	1.037E-10
-6.18766E-01	1.728E-09	1.452E-C9	7.139E-10	2.944E-10	1.088E-10
-4.58017E-01	1.855E-C9	1.557E-C9	7.628E-10	3.14CE-10	1.159E-10
-2.81605E-01	2.033E-09	1.701E-C9	8.290E-10	3.402E-10	1.253E-10
-9.50125E-02	2.259E-09	1.885E-09	9.137E-10	3.738E-10	1.374E-10
9.50125E-02	2.537E-09	2.113E-09	1.021E-C9	4.166E-10	1.529E-10
2.81605E-01	2.888E-09	2.406E-C9	1.160E-09	4.728E-10	1.733E-10
4.58017E-01	3.388E-C9	2.821E-09	1.358E-09	5.514E-10	2.015E-10
6.18766E-01	4.199E-09	3.486E-09	1.662E-09	6.692E-10	2.427E-10
7.55044E-01	5.652E-C9	4.648E-09	2.163E-09	8.550E-10	3.057E-10
8.65631E-01	8.436E-C9	6.812E-09	3.033E-C9	1.161E-09	4.052E-10
9.44575E-01	1.461E-C8	1.137E-08	4.68CE-09	1.697E-C9	5.696E-10
9.89401E-01	5.623E-08	3.765E-08	1.121E-08	3.311E-09	9.702E-10
TOTAL	5.041E-C8	3.998E-08	1.761E-C8	6.822E-09	2.422E-09

4 PI R**2 AIR KERMA (NEUTRONS)
(CH**2 ERGS/GRAM/STERADIAN/SOURCE NEUTRON)

6.360 TO 8.187 MEV NEUTRON SOURCE

COSINE	75.0	100.0	150.0	RANGE (METERS)	250.0	300.0	400.0
-1.00000E+00	1.784E-09	2.134E-C9	2.604E-C9	2.848E-09	2.925E-09	2.890E-09	2.614E-09
-9.891C1E-01	1.781E-09	2.100E-09	2.599E-09	2.923E-09	2.905E-09	2.873E-09	2.618E-09
-9.44575E-01	1.761E-09	2.106E-C9	2.574E-09	2.823E-09	2.886E-09	2.871E-09	2.608E-09
-8.65631E-01	1.720E-09	2.057E-09	2.529E-09	2.789E-09	2.886E-09	2.871E-09	2.626E-09
-7.55044E-01	1.726E-09	2.068E-09	2.555E-09	2.832E-09	2.943E-09	2.938E-09	2.690E-09
-6.17876E-01	1.795E-C9	2.154E-C9	2.670E-09	2.968E-09	3.090E-09	3.080E-09	2.829E-09
-4.58017E-01	1.945E-C9	2.339E-09	2.902E-09	3.226E-09	3.355E-09	3.344E-09	3.062E-09
-2.81605E-01	2.180E-09	2.625E-09	3.255E-09	3.609E-09	3.741E-09	3.723E-09	3.394E-09
-9.50125E-02	2.486E-C9	2.966E-09	3.706E-09	4.095E-09	4.231E-09	4.202E-09	3.815E-09
9.50125E-C2	2.905E-09	4.224E-09	4.497E-09	4.519E-09	4.652E-09	4.813E-09	4.317E-09
2.81605E-01	3.567E-09	3.845E-09	4.708E-09	5.475E-09	5.657E-09	5.441E-09	4.933E-09
4.58017E-01	4.501E-09	5.244E-C9	6.198E-C9	6.198E-09	6.405E-09	6.497E-C9	5.876E-09
6.17876E-C1	5.793E-09	6.193E-09	7.434E-09	8.040E-09	8.313E-09	8.135E-09	7.426E-09
7.55044E-01	1.184E-C8	1.041E-C8	1.041E-C8	1.111E-08	1.142E-08	1.140E-08	1.029E-08
8.65631E-01	2.843E-C8	1.822E-C8	1.773E-08	1.849E-08	1.852E-08	1.800E-C8	1.598E-08
9.44575E-01	6.894E-C8	6.365E-C8	4.860E-08	4.229E-08	3.861E-08	2.941E-08	2.555E-08
9.89401E-01	2.507E-C7	3.547E-07	3.274E-07	2.824E-07	2.369E-07	1.968E-07	1.336E-07
TOTAL	1.433E-07	1.404E-C7	1.361E-C7	1.310E-07	1.236E-07	1.150E-C7	9.545E-08

COSINE	500.0	600.0	RANGE (METERS)	900.0	1200.0	1500.0	1800.0
-1.00000E+00	2.217E-C9	1.804E-09	8.316E-10	3.321E-10	1.209E-10	4.116E-11	4.116E-11
-9.891C1E-01	2.218E-C9	1.805E-C9	8.327E-10	3.327E-10	1.212E-10	4.125E-11	4.125E-11
-9.44575E-C1	2.220E-C9	1.810E-C9	8.383E-10	3.355E-10	1.223E-10	4.165E-11	4.165E-11
-8.65631E-01	2.243E-09	1.833E-09	6.520E-10	3.416E-10	1.246E-10	4.247E-11	4.247E-11
-7.55044E-01	2.302E-C9	1.883E-C9	6.785E-10	3.525E-10	1.286E-10	4.382E-11	4.382E-11
-6.17876E-01	2.422E-C9	1.983E-C9	9.232E-10	3.699E-10	1.348E-10	4.587E-11	4.587E-11
-4.58017E-01	2.617E-09	2.138E-09	9.900E-10	3.951E-10	1.435E-10	4.874E-11	4.874E-11
-2.81605E-01	2.884E-C9	2.352E-09	1.081E-09	4.291E-10	1.553E-10	5.257E-11	5.257E-11
-9.50125E-02	3.235E-09	2.626E-09	1.198E-09	4.730E-10	1.705E-10	5.753E-11	5.753E-11
9.50125E-02	3.658E-C9	2.964E-C9	1.346E-09	5.295E-10	1.902E-10	6.399E-11	6.399E-11
2.81605E-01	4.200E-C9	3.404E-C9	1.545E-09	6.058E-10	2.168E-10	7.273E-11	7.273E-11
4.58017E-01	4.988E-C9	4.474E-C9	1.835E-09	7.168E-10	2.554E-10	8.527E-11	8.527E-11
6.17876E-01	6.299E-C9	5.106E-09	2.300E-C9	8.908E-10	3.146F-10	1.042E-10	1.338E-10
7.55044E-01	8.681E-C9	6.933E-C9	3.091E-09	1.176E-09	4.09CE-10	1.338E-10	1.338E-10
8.65631E-01	1.327E-C8	1.054E-08	4.488E-C9	1.657E-09	5.629E-10	1.806E-10	1.806E-10
9.44575E-01	2.341E-C8	1.801E-C8	7.163E-09	2.517E-09	8.225E-10	2.562E-10	2.562E-10
9.89401E-C1	8.976E-C8	6.006E-C8	1.762E-08	5.100E-09	1.461E-09	4.145E-10	4.145E-10
TOTAL	7.621E-08	5.914E-C8	2.465E-08	9.182E-09	3.174E-09	1.039E-09	1.039E-09

⁴ PI R**2 IONIZING SILICON KERMA (NEUTRONS)
(CM**2 ERGS/GRAM/STERADIAN/SOURCE NEUTRON)

6.360 TO 8.187 MEV NEUTRON SOURCE

COSINE	75.0	100.0	150.0	RANGE (METERS)	200.0	250.0	300.0	400.0
-1.00000E 00	1.842E-10	2.123E-10	2.472E-10	2.625E-10	2.637E-10	2.558E-10	2.249E-10	
-9.89010E-01	1.869E-10	2.153E-10	2.503E-10	2.654E-10	2.663E-10	2.581E-10	2.266E-10	
-9.44575E-01	2.21CE-10	2.568E-10	2.717E-10	2.717E-10	2.717E-10	2.618E-10	2.292E-10	
-8.65631E-01	1.895E-10	2.185E-10	2.554E-10	2.720E-10	2.738E-10	2.672E-10	2.375E-10	
-7.55044E-01	1.973E-10	2.277E-10	2.671E-10	2.855E-10	2.889E-10	2.833E-10	2.493E-10	
-6.17876E-01	2.442E-10	2.864E-10	2.068E-10	2.068E-10	2.13E-10	2.015E-10	2.673E-10	
-4.58017E-01	2.388E-10	2.755E-10	3.232E-10	3.465E-10	3.506E-10	3.411E-10	3.009E-10	
-2.61605E-01	2.834E-10	3.281E-10	3.852E-10	4.123E-10	4.149E-10	4.037E-10	3.541E-10	
-9.50125E-02	4.502E-10	3.459E-10	4.724E-10	4.724E-10	5.036E-10	4.897E-10	4.265E-10	
9.50125E-02	4.258E-10	6.417E-10	6.105E-10	5.958E-10	5.936E-10	5.976E-10	5.132E-10	
2.81605E-01	5.363E-10	5.843E-10	6.720E-10	7.556E-10	7.564E-10	7.099E-10	6.182E-10	
4.58017E-01	8.428E-10	8.682E-10	8.756E-10	9.033E-10	9.038E-10	8.905E-10	7.70E-10	
6.17876E-01	1.174E-09	1.215E-09	1.215E-09	1.279E-09	1.282E-09	1.226E-09	1.074E-09	
7.55044E-01	3.886E-09	2.654E-09	2.039E-09	2.865E-09	2.079E-09	2.020E-09	1.753E-09	
8.65631E-01	1.062E-08	5.768E-09	4.485E-09	4.267E-09	4.123E-09	3.912E-09	9.334E-09	
9.44575E-01	2.775E-08	2.458E-08	1.677E-08	1.316E-08	1.188E-08	9.812E-09	7.650E-09	
9.89401E-01	1.538E-07	1.536E-07	1.386E-07	1.170E-07	9.595E-08	7.796E-08	5.071E-08	
TOTAL	5.140E-08	4.661E-08	4.016E-08	3.530E-08	3.086E-08	2.690E-08	2.011E-08	
COSINE	500.0	600.0	900.0	RANGE (METERS)	1200.C	1500.0	1800.0	
-1.00000E 00	1.863E-10	1.485E-10	6.500E-11	2.485E-11	8.717E-12	2.875E-12		
-9.89010E-01	1.876E-10	1.494E-10	6.529E-11	2.496E-11	8.753E-12	2.887E-12		
-9.44575E-01	1.901E-10	1.516E-10	6.647E-11	2.507E-11	8.807E-12	2.937E-12		
-8.65631E-01	1.970E-10	1.571E-10	6.867E-11	2.624E-11	9.201E-12	3.034E-12		
-7.55044E-01	2.061E-10	1.645E-10	7.212E-11	2.757E-11	9.664E-12	3.186E-12		
-6.17876E-01	2.222E-10	1.773E-10	7.770E-11	2.966E-11	1.038E-11	3.418E-12		
-4.58017E-01	2.496E-10	1.988E-10	8.651E-11	3.284E-11	1.145E-11	3.757E-12		
-2.61605E-01	2.921E-10	2.315E-10	9.940E-11	3.739E-11	1.295E-11	4.229E-12		
-9.50125E-02	3.494E-10	2.751E-10	1.165E-10	4.339E-11	1.993E-11	4.852E-12		
9.50125E-02	4.187E-10	3.284E-10	1.378E-10	5.105E-11	1.749E-11	5.669E-12		
2.81605E-01	5.036E-10	3.951E-10	1.659E-10	6.146E-11	2.04E-11	6.814E-12		
4.58017E-01	6.315E-10	4.971E-10	2.102E-10	7.8C1E-11	2.671E-11	8.638E-12		
6.17876E-01	8.16E-10	6.953E-10	2.939E-10	1.086E-10	3.644E-11	1.187E-11		
7.55044E-01	1.432E-09	1.122E-09	4.651E-10	1.685E-10	5.638E-11	1.786E-11		
8.65631E-01	2.678E-09	2.067E-09	8.223E-10	2.880E-10	9.367E-11	2.901E-11		
9.44575E-01	5.852E-09	4.365E-09	1.615E-09	5.361E-10	1.61E-10	4.999E-11		
9.89401E-01	3.275E-08	2.108E-08	5.6C1E-09	1.486E-08	3.948E-10	1.049E-10		
TOTAL	1.478E-C8	1.072E-C8	3.849E-09	1.292E-09	4.135E-10	1.275E-10		

4 PL R**2 NON IONIZING SILICON KERMA (NEUTRONS)
 (CM**2 ERGS/GRAM/STERADIAN/SOURCE NEUTRON)

6.360 TO 8.187 MEV NEUTRON SOURCE

COSINE	75.0	100.0	150.0	RANGE (METERS)	200.0	250.0	300.0	400.0
-1.00000E 00	1.001E-10	1.225E-10	1.561E-10	1.773E-10	1.883E-10	1.917E-10	1.824E-10	
-9.89401E-01	1.001E-10	1.224E-10	1.562E-10	1.772E-10	1.883E-10	1.917E-10	1.825E-10	
-9.44575E-01	9.931E-11	1.216E-10	1.552E-10	1.767E-10	1.881E-10	1.916E-10	1.829E-10	
-8.65631E-01	9.756E-11	1.195E-10	1.535E-10	1.758E-10	1.880E-10	1.915E-10	1.850E-10	
-7.55044E-01	9.842E-11	1.207E-10	1.557E-10	1.794E-10	1.923E-10	1.975E-10	1.898E-10	
-6.17876E-01	1.025E-10	1.259E-10	1.627E-10	1.876E-10	2.015E-10	2.066E-10	1.991E-10	
-4.58017E-01	1.110E-10	1.363E-10	1.760E-10	1.925E-10	2.173E-10	2.227E-10	2.141E-10	
-2.81605E-01	1.244E-10	1.523E-10	1.960E-10	2.244E-10	2.401E-10	2.456E-10	2.350E-10	
-9.50125E-02	1.411E-10	1.732E-10	2.217E-10	2.529E-10	2.691E-10	2.747E-10	2.616E-10	
9.50125E-02	1.644E-10	2.419E-10	2.690E-10	2.764E-10	2.935E-10	3.120E-10	2.934E-10	
2.81605E-01	2.409E-10	2.099E-10	2.779E-10	3.344E-10	3.548E-10	3.498E-10	3.344E-10	
4.58017E-01	2.545E-10	2.979E-10	3.361E-10	3.744E-10	3.971E-10	4.130E-10	3.902E-10	
6.17876E-01	3.320E-10	3.551E-10	4.332E-10	4.804E-10	5.084E-10	5.080E-10	4.824E-10	
7.55044E-01	6.874E-10	5.978E-10	6.096E-10	6.539E-10	6.843E-10	6.955E-10	6.490E-10	
8.65631E-01	1.666E-09	1.056E-09	1.024E-09	1.075E-09	1.09C-09	1.073E-09	9.768E-10	
9.44575E-01	4.233E-C9	3.726E-C9	2.829E-09	2.457E-09	2.494E-09	2.083E-09	1.779E-09	
9.89401E-01	2.079E-08	2.099E-08	1.934E-08	1.665E-C8	1.395E-08	1.159E-08	7.871E-09	
TOTAL	8.379E-C9	8.209E-09	8.021E-C9	7.815E-09	7.489E-09	7.083E-09	6.078E-09	

COSINE	500.0	600.0	RANGE (METERS)	900.0	1200.C	1500.0	1800.0
-1.00000E 00	1.610E-10	1.352E-10	6.625E-11	2.72CE-11	1.001E-11	3.413E-12	
-9.89401E-01	1.612E-10	1.354E-10	6.638E-11	2.72CE-11	1.003E-11	3.422E-12	
-9.44575E-01	1.619E-10	1.362E-10	6.700E-11	2.756E-11	1.015E-11	3.464E-12	
-8.65631E-01	1.642E-10	1.385E-10	6.833E-11	2.817E-11	1.039E-11	3.547E-12	
-7.55044E-01	1.689E-10	1.427E-10	7.061E-11	2.915E-11	1.076E-11	3.677E-12	
-6.17876E-01	1.773E-10	7.418E-11	7.931E-11	3.044E-11	1.131E-11	3.866E-12	
-4.58017E-01	1.903E-10	1.605E-10	7.931E-11	3.222E-11	1.207E-11	4.125E-12	
-2.81605E-01	2.092E-10	1.752E-10	8.620E-11	3.549E-11	1.308E-11	4.467E-12	
-9.50125E-02	2.310E-10	1.94CE-10	9.502E-11	3.904E-11	1.437E-11	4.904E-12	
9.50125E-02	2.589E-10	2.171E-10	1.061E-10	4.356E-11	1.602E-11	5.464E-12	
2.81605E-01	2.943E-10	2.468E-10	1.206E-10	4.947E-11	1.818E-11	6.196E-12	
4.58017E-01	3.444E-10	2.885E-10	1.448E-10	5.663E-11	2.114E-11	7.188E-12	
6.17876E-01	4.238E-10	3.544E-10	1.715E-10	6.966E-11	2.540E-11	8.595E-12	
7.55044E-01	5.646E-10	4.676E-10	2.211E-10	8.831E-11	3.179E-11	1.066E-11	
8.65631E-01	8.311E-10	6.756E-10	3.059E-10	1.185E-10	4.171E-11	1.375E-11	
9.44575E-01	1.419E-09	1.109E-C9	4.641E-10	1.705E-10	5.782E-11	1.855E-11	
9.89401E-01	5.369E-C9	3.57CE-C9	1.079E-09	3.234E-10	9.606E-11	2.818E-11	
TOTAL	5.013E-C9	4.009E-C9	1.797E-C9	7.031E-10	2.51CE-10	8.388E-11	

⁴PI R**2 HENDERSON DOSE (GAMMA)
(CH**2 RAD/STERADIAN SOURCE NEUTRON)

6.360 TO 8.187 MEV NEUTRON SOURCE

COSINE	75.C	10C.0	150.0	RANGE (METERS)	25C.0	30C.0	40C.0
-1.00000CE OC	6.303E-12	7.C72E-12	7.927E-12	8.19CE-12	8.061E-12	7.708E-12	6.655E-12
-9.89401E-C1	6.340E-12	7.120E-12	7.994E-12	8.275E-12	8.16CE-12	7.816E-12	6.771E-12
-9.44575E-01	6.302E-12	7.302E-12	8.249E-12	8.523E-12	8.190E-12	7.190E-12	6.710E-12
-8.65631E-01	6.755E-12	7.638E-12	8.698E-12	9.130E-12	9.122E-12	8.844E-12	7.836E-12
-7.55044E-01	7.145E-12	8.107E-12	9.286E-12	9.794E-12	9.824E-12	9.554E-12	8.504E-12
-6.17876E-01	7.666E-12	8.718E-12	1.CC1E-11	1.057E-11	1.C6CE-11	1.031E-11	9.152E-12
-4.58017E-01	8.356E-12	9.519E-12	1.C94E-11	1.154E-11	1.156E-11	1.124E-11	9.904E-12
-2.81605E-C1	9.281E-12	1.C6CE-11	1.219E-11	1.287E-11	1.289E-11	1.249E-11	1.101E-11
-9.50125E-C2	1.054E-11	1.207E-11	1.394E-11	1.476E-11	1.482E-11	1.440E-11	1.276E-11
-9.50125E-02	1.228E-11	1.822E-11	1.613E-11	1.752E-11	1.772E-11	1.535E-11	1.193E-11
2.81605E-01	1.861E-11	1.682E-11	1.981E-11	2.114E-11	2.144E-11	2.115E-11	1.903E-11
4.58017E-01	1.905E-11	2.158E-11	2.468E-11	2.669E-11	2.74CE-11	2.686E-11	2.334E-11
6.17876E-C1	2.062E-11	2.951E-11	3.435E-11	3.53CE-11	3.616E-11	3.587E-11	3.272E-11
7.55044E-01	2.79E-11	3.772E-11	4.488E-11	5.028E-11	5.172E-11	5.143E-11	4.758E-11
8.65631E-01	4.448E-11	4.907E-11	7.241E-11	7.C3CE-11	8.18CE-11	8.209E-11	7.721E-11
9.44575E-01	7.016E-11	9.190E-11	1.173E-10	1.395E-10	1.502E-10	1.534E-10	1.475E-10
9.89401E-01	1.049E-10	1.58CE-10	2.433E-10	3.020E-10	3.414E-10	3.639E-10	3.706E-10
TOTAL	2.213E-10	2.733E-10	3.350E-10	3.721E-10	3.878E-10	3.888E-10	3.633E-10
COSINE	500.0	60C.0	900.0	RANGE (METERS)	12C0.C	150C.0	180C.0
-1.00000CE OC	5.476E-12	4.368E-12	1.981E-12	8.135E-13	3.157E-13	1.179E-13	
-9.89401E-C1	5.59CE-12	4.474E-12	2.C53E-12	8.579E-13	3.391E-13	1.295E-13	
-9.44575E-01	5.998E-12	4.850E-12	9.944E-12	4.025E-13	1.636E-13		
-8.65631E-01	6.601E-12	5.395E-12	2.626E-12	1.169E-12	4.993E-13	2.055E-13	
-7.55044E-01	7.193E-12	5.889E-12	2.885E-12	1.292E-12	5.494E-13	2.309E-13	
-6.17876E-01	7.715E-12	6.291E-12	3.043E-12	1.337E-12	5.605E-13	2.287E-13	
-4.58017E-01	8.301E-12	6.729E-12	3.192E-12	1.373E-12	5.574E-13	2.196E-13	
-2.81605E-01	9.214E-12	7.454E-12	3.516E-12	1.510E-12	6.171E-13	2.470E-13	
-9.50125E-02	1.672E-11	8.711E-12	4.176E-12	1.827E-12	7.62CE-13	3.103E-13	
9.50125E-02	1.300E-11	1.C64E-11	5.221E-12	2.34CE-12	1.061E-12	4.183E-13	
2.81605E-01	1.622E-11	1.336E-11	6.644E-12	3.011E-12	1.299E-12	5.456E-13	
4.58017E-C1	2.C83E-11	1.721E-11	8.50E-12	3.887E-12	1.667E-12	6.919E-13	
6.17876E-01	2.817E-11	2.336E-11	1.176E-11	2.297E-12	9.58E-13		
7.55044E-01	4.145E-11	3.476E-11	1.802E-11	6.441E-12	3.75CE-12	1.612E-12	
8.65631E-01	6.846E-11	5.841E-11	3.182E-11	1.562E-11	7.327E-12	3.333E-12	
9.44575E-01	1.330E-10	1.153E-10	6.579E-11	3.379E-11	1.649E-11	7.814E-12	
9.89401E-C1	3.4666E-10	3.083E-10	1.849E-10	9.827E-11	4.924E-11	2.386E-11	
TOTAL	3.195E-10	2.706E-10	1.448E-10	7.021E-11	3.246E-11	1.463E-11	

91 R**2 CONCRETE KERMA (GAMMAS)
1CM**2 EGS/GRAM/STERADIANS/SOURCE NEUTRONS

6.360 TO 8.187 MEV NEUTRON SOURCE

COSINE	75.0	100.0	150.0	RANGE (METERS)	200.0	250.0	300.0	400.0
-1.00000E+00	6.297E-10	7.152E-10	8.220E-10	8.705E-10	8.776E-10	8.582E-10	7.716E-10	7.822E-10
-9.89401E-01	6.333E-10	7.198E-10	8.285E-10	8.788E-10	8.873E-10	8.688E-10	7.822E-10	7.822E-10
-9.44575E-01	6.473E-10	7.375E-10	8.533E-10	9.097E-10	9.228E-10	9.074E-10	8.244E-10	8.244E-10
-8.65631E-01	6.737E-10	7.813E-10	9.626E-10	9.817E-10	9.699E-10	9.699E-10	8.880E-10	8.880E-10
-7.55044E-01	7.117E-10	8.165E-10	9.549E-10	1.028E-09	1.051E-09	1.041E-09	9.550E-10	9.550E-10
-6.17876E-01	7.624E-10	8.157E-10	1.026E-09	1.105E-09	1.129E-09	1.116E-09	1.021E-09	1.021E-09
-4.58017E-01	8.297E-10	9.540E-10	1.117E-09	1.201E-09	1.242E-09	1.098E-09	1.098E-09	1.098E-09
-2.81605E-01	9.198E-10	1.059E-09	1.240E-09	1.332E-09	1.356E-09	1.335E-09	1.211E-09	1.211E-09
-9.50125E-02	1.042E-09	1.203E-09	1.411E-09	1.518E-09	1.547E-09	1.525E-09	1.385E-09	1.385E-09
9.50125E-02	1.212E-09	1.800E-09	1.623E-09	1.794E-09	1.834E-09	1.798E-09	1.644E-09	1.644E-09
2.81605E-01	2.825E-09	2.666E-09	2.198E-09	2.141E-09	2.196E-09	2.190E-09	2.009E-09	2.009E-09
4.58017E-01	1.872E-09	2.115E-09	2.456E-09	2.705E-09	2.782E-09	2.749E-09	2.529E-09	2.529E-09
6.17876E-01	2.023E-09	2.908E-09	3.468E-09	3.522E-09	3.634E-09	3.369E-09	3.369E-09	3.369E-09
7.55044E-01	2.651E-09	3.695E-09	4.4C7E-09	4.981E-09	5.616E-09	5.144E-09	4.795E-09	4.795E-09
8.65631E-01	4.341E-09	4.799E-09	7.111E-09	7.771E-09	8.070E-09	8.122E-09	7.675E-09	7.675E-09
9.44575E-01	6.838E-09	8.963E-09	1.146E-08	1.366E-08	1.472E-08	1.505E-08	1.420E-08	1.420E-08
9.89401E-01	1.C21E-08	1.539E-08	2.372E-08	2.947E-08	3.334E-08	3.555E-08	3.624E-08	3.624E-08
TOTAL	2.173E-08	2.693E-08	3.327E-08	3.723E-08	3.906E-08	3.940E-08	3.719E-08	3.719E-08

COSINE	500.0	600.0	900.0	RANGE (METERS)	1200.0	1500.0	1800.0
-1.00000E+00	6.573E-10	5.402E-10	2.633E-10	1.152E-10	4.765E-11	1.913E-11	1.913E-11
-9.89401E-01	6.685E-10	5.506E-10	2.744E-10	1.195E-10	4.992E-11	2.026E-11	2.026E-11
-9.44575E-01	7.086E-10	5.876E-10	3.536E-10	1.319E-10	5.616E-11	2.361E-11	2.361E-11
-8.65631E-01	7.689E-10	6.417E-10	3.272E-10	1.522E-10	6.572E-11	2.774E-11	2.774E-11
-7.55044E-01	8.281E-10	6.918E-10	3.536E-10	1.628E-10	7.092E-11	3.637E-11	3.637E-11
-6.17876E-01	8.821E-10	7.341E-10	3.710E-10	1.683E-10	7.281E-11	3.038E-11	3.038E-11
-4.58017E-01	9.434E-10	7.807E-10	3.881E-10	1.731E-10	7.281E-11	2.977E-11	2.977E-11
-2.81605E-01	1.037E-09	8.559E-10	4.226E-10	1.879E-10	7.928E-11	3.271E-11	3.271E-11
-9.50125E-02	1.189E-09	9.832E-10	4.899E-10	2.202E-10	9.405E-11	3.915E-11	3.915E-11
9.50125E-02	1.416E-09	1.177E-09	5.949E-10	2.711E-10	1.186E-10	4.996E-11	4.996E-11
2.81605E-01	1.735E-09	1.446E-09	7.369E-10	3.388E-10	1.478E-10	6.269E-11	6.269E-11
4.58017E-01	2.190E-09	1.827E-09	9.301E-10	4.260E-10	1.645E-10	7.732E-11	7.732E-11
6.17876E-01	2.909E-09	2.431E-09	1.242E-09	5.695E-10	2.462E-10	1.029E-10	1.029E-10
7.55044E-01	4.204E-09	3.542E-09	1.852E-09	8.712E-10	3.880E-10	1.672E-10	1.672E-10
8.65631E-01	6.828E-09	5.839E-09	3.191E-09	1.571E-09	7.348E-10	3.339E-10	3.339E-10
9.44575E-01	1.310E-08	1.137E-08	6.491E-09	3.333E-09	1.625E-09	7.694E-10	7.694E-10
9.89401E-01	3.392E-08	3.020E-08	1.813E-08	9.645E-09	4.836E-09	2.346E-09	2.346E-09
TOTAL	3.296E-08	2.807E-08	1.516E-08	7.380E-09	3.415E-09	1.5339E-09	1.5339E-09

(CM**2 ERGS/GRAM/STERADIAN/SOURCE NEUTRON)

6.360 TO 8.187 MEV NEUTRON SOURCE

COSINE	75.C	1CC.0	150.0	RANGE (METERS)	250.0	300.0	400.0
-1.00000E 00	7.285E-10	8.885E-10	1.156E-09	1.356E-09	1.487E-09	1.559E-09	1.562E-09
-9.89401E-01	7.320E-10	8.931E-10	1.163E-09	1.364E-09	1.497E-09	1.570E-09	1.574E-09
-9.44575E-01	7.457E-10	9.107E-10	1.188E-09	1.396E-09	1.535E-09	1.612E-09	1.619E-09
-8.65631E-01	7.716E-10	9.435E-10	1.234E-09	1.522E-09	1.680E-09	1.690E-09	1.690E-09
-7.55044E-01	8.088E-10	9.894E-10	1.294E-09	1.523E-09	1.657E-09	1.761E-09	1.770E-09
-6.17876E-01	8.586E-10	1.049E-09	1.369E-09	1.608E-09	1.765E-09	1.852E-09	1.856E-09
-4.58017E-01	9.245E-10	1.128E-09	1.465E-09	1.715E-09	1.876E-09	1.963E-09	1.958E-09
-2.81656E-01	1.012E-09	1.233E-09	1.594E-09	1.858E-09	2.027E-09	2.115E-09	2.101E-09
-9.50155E-02	1.131E-09	1.376E-09	1.771E-09	2.057E-09	2.239E-09	2.331E-09	2.310E-09
9.50155E-02	1.295E-C9	1.946E-09	1.994E-09	2.342E-09	2.542E-09	2.634E-09	2.605E-09
2.81656E-01	1.878E-09	2.827E-09	2.346E-09	2.78CE-09	2.934E-09	3.054E-09	3.009E-09
4.58017E-01	9.922E-C9	2.271E-09	2.821E-09	3.272E-09	3.500E-09	3.642E-09	3.572E-09
6.17876E-01	2.073E-C9	3.10E-09	3.727E-C9	4.87E-09	4.394E-09	4.537E-09	4.423E-09
7.55044E-01	2.669E-C9	3.768E-09	4.718E-09	5.036E-09	5.871E-09	5.871E-09	5.871E-09
8.65631E-01	4.255E-09	4.815E-09	7.259E-09	8.169E-09	8.682E-09	8.908E-09	8.663E-09
9.44575E-01	6.592E-C9	8.717E-09	1.136E-08	1.372E-08	1.497E-08	1.547E-08	1.513E-08
9.89401E-01	9.743E-09	1.472E-08	2.282E-08	2.849E-08	3.236E-08	3.461E-08	3.542E-08
TOTAL	2.237E-C8	2.849E-C8	3.713E-C8	4.339E-08	4.721E-08	4.909E-08	4.853E-08
COSINE	50C.0	600.C	900.0	RANGE (METERS)	1200.0	1500.0	1800.0
-1.00000E CG	1.442E-C9	1.260E-09	6.996E-10	3.370E-10	1.523E-10	6.671E-11	6.671E-11
-9.89401E-01	1.454E-09	1.271E-09	7.071E-10	3.415E-10	1.546E-10	6.785E-11	6.785E-11
-9.44575E-01	1.497E-C9	1.312E-09	7.329E-10	3.548E-10	1.612E-10	7.133E-11	7.133E-11
-8.65631E-01	1.565E-C9	1.373E-09	7.53E-10	3.753E-10	1.711E-10	7.588E-11	7.588E-11
-7.55044E-01	1.638E-C9	1.436E-09	8.049E-10	3.921E-10	1.789E-10	7.939E-11	7.939E-11
-6.17876E-01	1.713E-C9	1.498E-09	8.347E-10	4.040E-10	1.835E-10	8.082E-11	8.082E-11
-4.58017E-01	1.801E-09	1.679E-09	8.671E-10	4.171E-10	1.878E-10	8.205E-11	8.205E-11
-2.81656E-01	1.926E-09	1.676E-09	9.213E-10	4.415E-10	1.987E-10	8.695E-11	8.695E-11
-9.50155E-02	2.114E-09	1.837E-09	1.009E-09	4.842E-10	2.182E-10	9.545E-11	9.545E-11
9.50155E-02	2.381E-09	2.068E-C9	1.137E-09	5.466E-10	2.470E-10	1.084E-10	1.084E-10
2.81656E-01	2.744E-09	2.379E-09	1.304E-09	6.259E-10	2.823E-10	1.235E-10	1.235E-10
4.58017E-01	3.244E-09	2.802E-09	1.524E-09	7.263E-10	3.251E-10	1.409E-10	1.409E-10
6.17876E-01	4.000E-C9	3.444E-09	1.859E-09	8.816E-10	3.921E-10	1.691E-10	1.691E-10
7.55044E-01	5.304E-C9	4.567E-09	2.478E-C9	1.187E-09	5.353E-10	2.337E-10	2.337E-10
8.65631E-01	7.855E-09	6.803E-09	3.779E-09	1.864E-09	8.696E-10	3.939E-10	3.939E-10
9.44575E-01	1.380E-08	1.204E-08	6.900E-09	3.526E-09	1.707E-09	8.026E-10	8.026E-10
9.89401E-01	3.322E-C8	2.958E-08	1.771E-08	9.369E-09	4.673E-09	2.255E-09	2.255E-09
TOTAL	4.441E-08	3.867E-C8	2.166E-08	1.662E-08	4.928E-09	2.220E-09	2.220E-09

P1 R**2 SILICON KERMA (GAMMAS)
(CM**2 ERGS/GRAN/STERADIAN/SOURCE NEUTRONS)

6.360 TO 8.187 MEV NEUTRON SOURCE

COSINE	75.0	100.0	150.0	RANGE (METERS)	250.0	300.0	400.0
				0C.C.			
-1.00000E 00	6.447E-10	7.348E-10	8.515E-10	9.094E-10	9.249E-10	9.119E-10	8.321E-10
-9.89401E-01	6.484E-10	7.395E-10	8.580E-10	9.179E-10	9.347E-10	9.227E-10	8.437E-10
-9.44575E-01	6.626E-10	7.575E-10	8.832E-10	9.493E-10	9.708E-10	9.620E-10	8.856E-10
-8.65631E-01	6.895E-10	7.908E-10	9.276E-10	9.864E-10	1.026E-09	1.026E-09	9.506E-10
-7.55044E-01	7.281E-10	8.373E-10	9.864E-10	1.069E-09	1.11C1E-09	1.097E-09	1.019E-09
-6.17876E-01	7.799E-10	9.979E-10	1.059E-09	1.147E-09	1.18CE-09	1.174E-09	1.085E-09
-4.58017E-01	8.489E-10	9.774E-10	1.151E-09	1.245E-09	1.276E-09	1.266E-09	1.163E-09
-2.81605E-01	9.396E-10	1.084E-09	1.276E-09	1.377E-09	1.411CE-09	1.395E-09	1.277E-09
-9.50125E-02	1.064E-09	1.230E-09	1.449E-09	1.566E-09	1.603E-09	1.587E-09	1.453E-09
9.50125E-02	1.237E-09	1.837E-09	2.062E-09	2.094E-09	2.133E-09	2.173E-09	1.713E-09
2.81605E-01	1.859E-09	1.7C1E-09	2.034E-09	2.196E-09	2.259E-09	2.260E-09	2.080E-09
4.58017E-01	1.908E-09	2.154E-09	2.507E-09	2.77CE-09	2.854E-09	2.825E-09	2.609E-09
6.17876E-01	2.061E-09	2.965E-09	3.479E-09	3.597E-09	3.716E-09	3.717E-09	3.38E-09
7.55044E-01	2.699E-09	3.768F-09	4.487E-09	5.079E-09	5.256E-09	5.252E-09	4.904E-09
8.65631E-01	4.419E-09	4.885E-09	7.242E-09	7.913E-09	8.221E-09	8.277E-09	7.826E-09
9.44575E-01	6.963E-09	9.125E-09	1.167E-08	1.39CE-08	1.499E-08	1.533E-08	1.477E-08
9.89401E-01	1.044E-08	1.568E-08	2.416E-08	3.CC1E-08	3.396E-08	3.622E-08	3.693E-08
TOTAL	2.215E-08	2.747E-08	3.400E-08	3.812E-08	4.0C7E-08	4.049E-08	3.833E-08

COSINE	500.0	600.0	RANGE (METERS)	900.0	1200.0	1500.0	1800.0
			0C.C.				
-1.00000E 00	7.176E-10	5.958E-10	2.968E-10	1.318E-10	5.53CE-11	2.252E-11	
-9.89401E-01	7.290E-10	6.C63E-10	3.040E-10	1.362E-10	5.763E-11	2.368E-11	
-9.44575E-01	7.699E-10	6.284E-10	3.284E-10	1.488E-10	6.4C1E-11	2.711E-11	
-8.65631E-01	8.313E-10	6.992E-10	3.619E-10	1.676E-10	7.376E-11	3.112E-11	
-7.55044E-01	8.914E-10	7.500E-10	3.887E-10	1.804E-10	7.903E-11	3.399E-11	
-6.17876E-01	9.178E-10	9.626E-10	4.062E-10	1.956E-10	8.056E-11	3.396E-11	
-4.58017E-01	1.007E-09	8.394E-10	4.232E-10	1.955E-10	8.C77E-11	3.328E-11	
-2.81605E-01	1.102E-09	9.150E-10	4.577E-10	2.053E-10	8.723E-11	3.621E-11	
-9.50125E-02	1.255E-09	1.C43E-09	5.255E-10	2.379E-10	4.211E-11	5.363E-11	
9.50125E-02	1.484E-09	1.239E-09	6.315E-10	2.899E-10	1.263E-10	1.563E-10	
2.81605E-01	1.807E-09	1.511E-C9	7.747E-10	3.575E-10	1.563E-10	6.64E-11	
4.58017E-01	2.266E-09	1.895F-09	9.693E-10	4.452E-10	1.932E-10	8.11E-11	
6.17876E-01	2.993E-09	2.505E-09	1.283E-09	5.896E-10	2.555E-10	1.068E-10	
7.55044E-01	4.303E-09	3.629E-09	1.9nCE-C9	8.044E-10	3.984E-10	1.716E-10	
8.65631E-01	6.965E-09	5.958E-09	3.258E-C9	1.6C4E-09	7.503E-10	3.40E-10	
9.44575E-01	1.334E-08	1.158E-C8	6.615E-09	3.397E-C9	1.656E-09	7.845E-10	
9.89401E-01	3.457E-08	3.078E-C8	1.850E-08	9.843E-C9	4.938E-09	2.397E-C9	
TOTAL	3.405E-C8	2.905E-08	1.574E-C8	7.669E-C9	3.550E-09	1.600E-09	

4 PI R**2 FLUENCE AT 75.0 METERS

4.065 TO 6.36 MEV NEUTRON SOURCE

(NEUTRONS/4EV/STERADIANT/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 $\mu = -1.0000$	ANGLE 2 $\mu = -0.9894$	ANGLE 3 $\mu = -0.9446$	ANGLE 4 $\mu = -0.8656$	ANGLE 5 $\mu = -0.7550$	ANGLE 6 $\mu = -0.6179$	ANGLE 7 $\mu = -0.4580$	ANGLE 8 $\mu = -0.2816$	ANGLE 9 $\mu = -0.0950$
1.22E 01---1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01---1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00---1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00---8.19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E 00---6.36E 00	3.548E-06	1.160E-05	4.010E-05	8.663E-05	1.474E-04	2.389E-04	3.936E-04	6.431E-04	1.002E-03
4.07E 00---4.97E 00	5.43E-03	5.498E-03	6.178E-03	6.178E-03	6.178E-03	6.178E-03	8.142E-03	9.953E-03	9.953E-03
3.01E 00---4.07E 00	1.092E-02	1.098E-02	1.071E-02	1.043E-02	1.013E-02	9.876E-03	9.73E-03	9.750E-03	1.001E-02
2.46E 00---3.01E 00	6.536E-03	6.542E-03	6.567E-03	6.619E-03	6.708E-03	6.848E-03	7.058E-03	7.467E-03	7.810E-03
2.35E 00---2.46E 00	8.157E-03	8.157E-03	8.132E-03	8.095E-03	8.069E-03	8.082E-03	8.174E-03	8.761E-03	8.385E-03
1.83E 00---2.35E 00	3.818E-03	3.818E-03	3.831E-03	3.862E-03	3.918E-03	4.009E-03	4.142E-03	4.327E-03	4.569E-03
1.11E 00---1.83E 00	2.269E-03	2.273E-03	2.288E-03	2.319E-03	2.363E-03	2.428E-03	2.508E-03	2.609E-03	2.732E-03
5.50E-01---1.11E 00	2.603E-03	2.606E-03	2.620E-03	2.648E-03	2.682E-03	2.743E-03	2.812E-03	2.897E-03	3.000E-03
1.11E-01---5.50E-01	3.304E-03	3.307E-03	3.318E-03	3.328E-03	3.341E-03	3.375E-03	3.415E-03	3.530E-03	3.602E-03
3.35E-02---1.11E-01	1.824E-02	1.825E-02	1.825E-02	1.833E-02	1.833E-02	1.841E-02	1.851E-02	1.862E-02	1.891E-02
5.83E-04---3.35E-02	1.496E-02	1.496E-02	1.497E-02	1.500E-02	1.504E-02	1.510E-02	1.515E-02	1.522E-02	1.530E-02
1.01E-04---5.83E-04	8.708E-01	8.714E-01	8.728E-01	8.732E-01	8.741E-01	8.751E-01	8.771E-01	8.799E-01	8.831E-01
2.90E-05---1.01E-04	3.689E-00	3.689E-00	3.692E-00	3.697E-00	3.704E-00	3.713E-00	3.724E-00	3.735E-00	3.748E-00
1.07E-05---2.90E-05	1.062E-01	1.063E-01	1.063E-01	1.065E-01	1.067E-01	1.069E-01	1.072E-01	1.075E-01	1.078E-01
3.06E-06---1.07E-05	2.806E-01	2.806E-01	2.808E-01	2.811E-01	2.816E-01	2.822E-01	2.832E-01	2.844E-01	2.854E-01
1.12E-06---3.06E-06	7.436E-01	7.442E-01	7.442E-01	7.450E-01	7.462E-01	7.476E-01	7.493E-01	7.512E-01	7.532E-01
4.14E-07---1.12E-06	1.613E-02	1.613E-02	1.614E-02	1.615E-02	1.618E-02	1.621E-02	1.624E-02	1.628E-02	1.632E-02
0.0	2.318E-02	2.318E-02	2.320E-02	2.323E-02	2.326E-02	2.331E-02	2.335E-02	2.340E-02	2.345E-02
ENERGY GROUP (MEV)	ANGLE 10 $\mu = 0.0950$	ANGLE 11 $\mu = 0.2816$	ANGLE 12 $\mu = 0.4580$	ANGLE 13 $\mu = 0.6179$	ANGLE 14 $\mu = 0.7550$	ANGLE 15 $\mu = 0.8656$	ANGLE 16 $\mu = 0.9446$	ANGLE 17 $\mu = 0.9894$	SCALAR FLUX
1.22E 01---1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01---1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00---1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00---8.19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E 00---6.36E 00	1.415E-03	4.844E-03	5.019E-03	5.082E-02	3.195E-02	8.723E-02	2.282E-01	4.082E-01	5.391E-01
4.07E 00---4.97E 00	1.15E-02	1.242E-02	1.378E-02	1.845E-02	2.945E-02	6.284E-02	3.442E-01	1.430E-01	1.913E-01
3.01E 00---4.07E 00	1.097E-02	1.137E-02	2.190E-02	1.550E-02	1.913E-02	3.135E-02	4.965E-02	6.628E-02	6.628E-02
2.46E 00---3.01E 00	8.744E-03	9.37E-03	1.301E-02	1.365E-02	1.577E-02	1.747E-02	2.122E-02	2.122E-02	2.124E-01
2.35E 00---2.46E 00	9.503E-03	1.042E-02	1.642E-02	1.642E-02	1.642E-02	1.781E-02	1.781E-02	1.920E-02	1.397E-01
1.83E 00---2.35E 00	4.725E-03	5.602E-03	6.914E-03	7.600E-03	7.401E-03	8.222E-03	8.222E-03	8.222E-03	6.542E-02
1.11E 00---1.83E 00	2.91E-03	3.140E-03	3.425E-03	3.479E-03	3.479E-03	4.343E-03	4.993E-03	5.677E-03	3.808E-02
5.50E-01---1.11E 00	3.145E-03	3.326E-03	3.674E-03	3.607E-03	3.867E-03	4.306E-03	4.816E-03	5.351E-03	4.066E-02
1.11E-01---5.50E-01	3.619E-03	3.604E-03	3.822E-03	4.233E-03	4.359E-03	4.126E-03	4.226E-03	5.321E-03	4.666E-02
3.35E-02---1.11E-01	1.912E-02	1.951E-02	1.961E-02	1.919E-02	1.941E-02	2.040E-02	2.014E-02	1.971E-02	2.395E-01
5.83E-04---3.35E-02	1.538E-02	1.546E-02	1.553E-02	1.560E-02	1.572E-02	1.572E-02	1.572E-02	1.572E-02	1.929E-01
1.01E-04---5.83E-04	8.900E-01	8.936E-01	8.969E-01	9.000E-01	9.022E-01	9.050E-01	9.066E-01	9.073E-01	1.117E-01
2.90E-05---1.01E-04	3.761E-00	3.774E-00	3.786E-00	3.797E-00	3.806E-00	3.814E-00	3.822E-00	3.822E-00	4.719E-01
1.07E-05---2.90E-05	1.088E-01	1.098E-01	1.091E-01	1.094E-01	1.097E-01	1.096E-01	1.098E-01	1.098E-01	1.357E-02
3.06E-06---1.07E-05	2.853E-01	2.861E-01	2.869E-01	2.876E-01	2.882E-01	2.887E-01	2.890E-01	2.892E-01	3.580E-02
1.12E-06---3.06E-06	7.553E-01	7.573E-01	7.592E-01	7.610E-01	7.625E-01	7.637E-01	7.646E-01	9.479E-02	1.650E-02
4.14E-37---1.12E-06	1.636E-02	1.641E-02	1.644E-02	1.651E-02	1.654E-02	1.655E-02	1.656E-02	2.054E-03	2.374E-02
0.0	2.355E-02	2.350E-02	2.360E-02	2.365E-02	2.369E-02	2.372E-02	2.374E-02	2.374E-02	2.950E-03

4 PI R**2 FLUENCE AT 150.0 METERS

4.065 TO 6.36 MEV NEUTRON SOURCE

(NEUTRONS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU= -1.000C	ANGLE 2 MU= -0.9394	ANGLE 3 MU= 0.9446	ANGLE 4 MU= -0.8656	ANGLE 5 MU= -0.7550	ANGLE 6 MU= -0.6179	ANGLE 7 MU= -0.4590	ANGLE 8 MU= -0.2816	ANGLE 9 MU= -0.0950
1.22E 01----1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00F 01----1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00----1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36F 00----8.19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E 00----6.36E 00	3.003E-05	4.066E-05	7.959E-05	1.359E-04	2.072E-04	3.163E-04	5.103E-04	8.338E-04	1.301E-03
4.07E 00----4.97E 00	5.864E-03	5.641E-03	6.238E-03	6.757E-03	7.410E-03	8.150E-03	8.962E-03	9.877E-03	1.095E-02
3.01E 00----4.07E 00	2.238E-02	1.213E-02	1.180E-02	1.147E-02	1.120E-02	1.108E-02	1.120E-02	1.117E-02	1.158E-02
2.46E 00----3.01E 00	1.084E-02	1.085E-02	1.088E-02	1.094E-02	1.106E-02	1.126E-02	1.161E-02	1.215E-02	1.299E-02
2.35E 00----2.46E 00	1.435E-02	1.423E-02	1.427E-02	1.416E-02	1.408E-02	1.410E-02	1.431E-02	1.481E-02	1.572E-02
1.82E 00----2.35E 00	7.978E-03	7.986E-03	8.023E-03	8.109E-03	8.263E-03	8.512E-03	8.881E-03	9.395E-03	1.008E-02
1.11E 00----1.82E 00	5.704E-03	5.716E-03	5.764E-03	5.859E-03	6.001E-03	6.196E-03	6.448E-03	6.767E-03	7.156E-03
5.50E-01----1.11E 00	7.360E-03	7.411E-03	7.510E-03	7.657E-03	7.853E-03	8.102E-03	8.402E-03	8.779E-03	9.136E-03
1.11E-01----5.50E-01	1.042E-02	1.042E-02	1.048E-02	1.057E-02	1.071E-02	1.088E-02	1.109E-02	1.138E-02	1.163E-02
3.35E-02----1.11E-01	6.322E-02	6.341E-02	6.370E-02	6.410E-02	6.462E-02	6.524E-02	6.590E-02	6.675E-02	6.757E-02
5.83E-04----3.35E-02	5.335E-02	5.337E-02	5.364E-02	5.364E-02	5.419E-02	5.455E-02	5.497E-02	5.542E-02	5.594E-02
1.01E-04----5.83E-04	3.155E-00	3.160E-00	3.169E-00	3.182E-00	3.197E-00	3.216E-00	3.237E-00	3.259E-00	3.279E-00
2.90E-05----1.01E-04	1.348E-01	1.348E-01	1.350E-01	1.354E-01	1.358E-01	1.364E-01	1.371E-01	1.379E-01	1.388E-01
1.07E-05----2.90E-05	3.903E-01	3.904E-01	3.909E-01	3.918E-01	3.931E-01	3.948E-01	3.967E-01	3.989E-01	4.012E-01
3.06E-06----1.07E-05	1.036E-02	1.026E-02	1.037E-02	1.040E-02	1.043E-02	1.047E-02	1.052E-02	1.057E-02	1.063E-02
1.12E-06----3.06E-06	2.755E-02	2.756E-02	2.765E-02	2.773E-02	2.783E-02	2.795E-02	2.809E-02	2.923E-02	2.953E-02
4.14E-07----1.12E-06	5.992E-02	5.993E-02	6.000E-02	6.012E-02	6.029E-02	6.050E-02	6.075E-02	6.103E-02	6.133E-02
5.0----4.14E-07	8.643E-02	8.645E-02	8.656E-02	8.674E-02	8.699E-02	8.727E-02	8.759E-02	8.793E-02	8.829E-02
1.22E 01----1.50E 01	MU= 0.4580	MU= 0.4580	MU= 0.6179	MU= 0.7550	MU= 0.8656	MU= 0.9446	MU= 0.9894	MU= 0.9894	MU= 0.9894
1.00E 01----1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00----9.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00----6.36E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E 00----4.97E 00	2.446E-03	4.333E-03	6.653E-03	1.294E-02	3.232E-02	6.233E-02	1.610E-02	4.541E-01	2.883E-01
4.07E 00----4.07E 00	5.994E-03	1.614E-02	1.642E-02	2.460E-02	2.719E-02	4.513E-02	6.267E-02	1.181E-01	2.344E-01
3.01E 00----4.07E 00	1.040E-02	1.443E-02	1.453E-02	2.352E-02	3.021E-02	3.548E-02	5.079E-02	7.024E-02	2.244E-01
2.46E 00----3.01E 00	1.422E-02	1.422E-02	1.422E-02	1.893E-02	3.021E-02	3.548E-02	5.571E-02	7.571E-02	2.673E-01
2.35E 00----2.46E 00	1.252E-02	1.252E-02	1.252E-02	1.893E-02	3.021E-02	3.548E-02	5.571E-02	7.571E-02	2.673E-01
1.83E 00----2.35E 00	1.929E-02	1.929E-02	1.931E-02	1.972E-02	1.883E-02	1.979E-02	2.543E-02	2.949E-02	3.512E-01
1.11E 00----1.83E 00	8.150E-02	8.150E-02	8.150E-02	9.30E-03	1.049E-02	1.205E-02	1.329E-02	1.555E-02	1.012E-01
5.50E-01----1.11E 00	9.512E-03	1.034E-02	1.034E-02	1.108E-02	1.164E-02	1.283E-02	1.385E-02	1.565E-02	1.193E-01
1.11E-01----5.50E-01	1.071E-02	1.267E-02	1.267E-02	1.283E-02	1.400E-02	1.374E-02	1.474E-02	1.500E-02	1.501E-01
3.35E-02----5.50E-01	6.834E-02	6.835E-02	6.835E-02	7.093E-02	7.038E-02	7.195E-02	7.218E-02	7.256E-02	7.477E-01
5.83E-04----3.35E-02	5.589E-02	5.637E-02	5.685E-02	5.729E-02	5.769E-02	5.802E-02	5.841E-02	5.887E-02	7.003E-01
1.01E-04----5.83E-04	3.282E-00	3.306E-00	3.329E-00	3.350E-00	3.364E-00	3.396E-00	3.402E-00	3.413E-00	4.113E-01
2.90E-05----1.01E-04	1.397E-01	1.406E-01	1.414E-01	1.422E-01	1.429E-01	1.435F-01	1.441E-01	1.751E-01	2.911E-02
1.07E-05----2.90E-05	4.036E-01	4.060E-01	4.084E-01	4.105E-01	4.124E-01	4.139E-01	4.150E-01	5.059E-02	5.059E-02
3.06E-06----1.07E-05	1.069E-02	1.075E-02	1.081E-02	1.086E-02	1.090E-02	1.094E-02	1.097E-02	1.340E-03	1.340E-03
1.12E-06----3.06E-06	2.838E-02	2.867E-02	2.887E-02	2.892E-02	2.901E-02	2.907E-02	2.911E-02	2.911E-02	3.558E-03
4.14E-07----1.12E-06	6.163E-02	6.194E-02	6.223E-02	6.250E-02	6.273E-02	6.306E-02	6.313E-02	7.728E-03	7.728E-03
0.0----4.14E-07	8.868E-02	8.907E-02	8.946E-02	8.982E-02	9.012E-02	9.034E-02	9.048E-02	9.055E-02	1.112E-04

4 PI R**2 FLUENCE AT 200.0 METERS

4.065 TO 6.36 MEV NEUTRON SOURCE

(NEUTRONS/MEV/STERADIANS/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=-0.10000	ANGLE 2 MU=-0.9894	ANGLE 3 MU=-0.9446	ANGLE 4 MU=-0.8656	ANGLE 5 MU=-0.7550	ANGLE 6 MU=-0.6179	ANGLE 7 MU=-0.4580	ANGLE 8 MU=-0.2816	ANGLE 9 MU=-0.0950
1.22E 01----1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01----1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00----1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00----8.19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E 00----6.36E 00	4.721E-05	5.771E-05	9.491E-05	1.530E-04	2.254E-04	3.376E-04	5.370E-04	8.678E-04	1.343E-03
4.07E 00----4.97E 00	5.592E-03	5.666E-03	5.98E-03	6.440E-03	7.056E-03	7.755E-03	8.521E-03	9.382E-03	1.041E-02
3.01E 00----4.07E 00	1.184E-02	1.179E-02	1.161E-02	1.131E-02	1.101E-02	1.078E-02	1.070E-02	1.084E-02	1.131E-02
2.46E 00----3.01E 00	1.180E-02	1.181E-02	1.184E-02	1.190E-02	1.202E-02	1.226E-02	1.236E-02	1.426E-02	1.426E-02
2.35E 00----2.46E 00	1.594E-02	1.592E-02	1.585E-02	1.575E-02	1.569E-02	1.576E-02	1.607E-02	1.676E-02	1.795E-02
1.83E 00----2.35E 00	9.692E-03	9.704E-03	9.757E-03	9.878E-03	1.009E-02	1.044E-02	1.095E-02	1.165E-02	1.260E-02
1.11E 00----1.83E 00	7.633E-03	7.650E-03	7.721E-03	7.759E-03	8.067E-03	8.359E-03	8.726E-03	9.198E-03	9.784E-03
5.50E-01----1.11E 00	1.050E-02	1.052E-02	1.060E-02	1.076E-02	1.099E-02	1.131E-02	1.171E-02	1.221E-02	1.280E-02
1.11E-01----5.00E-01	1.581E-02	1.583E-02	1.591E-02	1.607E-02	1.630E-02	1.660E-02	1.697E-02	1.740E-02	1.791E-02
3.35E-02----1.11E-01	1.004E-01	1.005E-01	1.008E-01	1.013E-01	1.021E-01	1.030E-01	1.042E-01	1.056E-01	1.070E-01
5.82E-04----3.25E-02	8.601E-02	8.616E-02	8.624E-02	8.658E-02	8.706E-02	8.766E-02	8.838E-02	8.920E-02	9.009E-02
1.01E-04----5.33E-04	5.135E-00	5.138E-00	5.147E-00	5.165E-00	5.190E-00	5.222E-00	5.259E-00	5.302E-00	5.348E-00
2.90E-05----1.01E-04	2.207E-01	2.208E-01	2.211E-01	2.218E-01	2.228E-01	2.241E-01	2.255E-01	2.272E-01	2.289E-01
1.07E-05----2.90E-05	6.414E-01	6.426E-01	6.446E-01	6.473E-01	6.547E-01	6.593E-01	6.642E-01	6.754E-02	1.743E-02
3.06E-06----1.07E-05	1.709E-02	1.710E-02	1.712E-02	1.717E-02	1.724E-02	1.733E-02	1.743E-02	1.766E-02	1.766E-02
1.12E-06----3.06E-06	4.558E-02	4.560E-02	4.566E-02	4.579E-02	4.596E-02	4.618E-02	4.643E-02	4.672E-02	4.733E-02
4.14E-07----1.12E-06	9.936E-02	9.940E-02	9.954E-02	9.980E-02	1.002E-02	1.006E-03	1.011E-03	1.024E-03	1.024E-03
0.0	1.437E-03	1.438E-03	1.440E-03	1.444E-03	1.449E-03	1.455E-03	1.462E-03	1.469E-03	1.477E-03
ENERGY GROUP (MEV)	ANGLE 10 MU= 0.0950	ANGLE 11 MU= 0.2816	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9894	SCALAR FLUX
1.22E 01----1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01----1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00----1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00----8.19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E 00----6.36E 00	1.670E-03	3.028E-03	3.886E-03	7.075E-03	1.304E-02	2.931E-02	9.676E-02	8.987E-01	2.389E-01
4.07E 00----4.97E 00	1.303E-02	1.268E-02	1.822E-02	2.295E-02	3.741E-02	5.371E-02	9.148E-01	9.148E-01	4.008E-01
3.01E 00----4.07E 00	1.303E-02	1.342E-02	1.780E-02	3.009E-02	4.291E-02	6.722E-02	1.219E-01	1.219E-01	2.353E-01
2.46E 00----3.01E 00	1.665E-02	1.714E-02	2.186E-02	2.537E-02	3.342E-02	4.371E-02	9.107E-02	9.107E-02	2.585E-01
2.35E 00----2.46E 00	2.090E-02	2.184E-02	2.760E-02	3.182E-02	4.136E-02	5.261E-02	7.220E-02	1.020E-01	3.218E-01
1.83E 00----2.35E 00	1.520E-02	1.471E-02	1.217E-02	1.377E-02	2.412E-02	2.711E-02	3.389E-02	4.087E-02	1.964E-01
1.11E 00----1.83E 00	1.020E-02	1.159E-02	1.217E-02	1.377E-02	1.488E-02	1.682E-02	1.871E-02	2.157E-02	1.387E-01
5.50E-01----1.11E 00	1.331E-02	1.451E-02	1.514E-02	1.650E-02	1.750E-02	1.906E-02	2.056E-02	2.278E-02	1.744E-01
1.11E-01----5.50E-01	1.924E-02	2.022E-02	2.022E-02	2.003E-02	2.144E-02	2.161E-02	2.268E-02	2.333E-02	2.332E-01
3.35E-02----1.11E-01	1.116E-01	1.116E-01	1.116E-01	1.137E-01	1.149E-01	1.163E-01	1.172E-01	1.179E-01	1.360E-00
5.83E-04----3.5E-02	9.199E-02	9.292E-02	9.381E-02	9.460E-02	9.526E-02	9.574E-02	9.603E-02	1.140E-02	1.440E-00
1.01E-04----5.83E-04	5.396E-00	5.444E-00	5.491E-00	5.536E-00	5.575E-00	5.607E-00	5.630E-00	5.644E-00	6.758E-01
2.90E-05----1.01E-04	2.308E-01	2.327E-01	2.345E-01	2.362E-01	2.376E-01	2.389E-01	2.397E-01	2.402E-01	2.891E-02
1.07E-05----2.90E-05	6.693E-01	6.745E-01	6.794E-01	6.840E-01	6.881E-01	6.913E-01	6.937E-01	6.951E-01	8.385E-02
3.06E-06----1.07E-05	1.779E-02	1.792E-02	1.804E-02	1.815E-02	1.825E-02	1.833E-02	1.839E-02	1.843E-02	2.229E-03
4.14E-07----1.12E-06	4.735E-02	4.767E-02	4.798E-02	4.827E-02	4.872E-02	4.886E-02	4.895E-02	5.934E-03	1.063E-03
0.0	1.449E-03	1.037E-03	1.046E-03	1.049E-03	1.059E-03	1.062E-03	1.063E-03	1.063E-03	1.862E-04

4 PI R**2 FLUENCE AT 300.0 METERS

4.065 TO 6.36 MEV NEUTRON SOURCE

(NEUTRONS/MEV/STERADIANT/SOURCE NEUTRON)											
ENERGY GROUP (MEV)	ANGLE 1 $\mu = 1.0000$	ANGLE 2 $\mu = -0.9894$	ANGLE 3 $\mu = -0.9446$	ANGLE 4 $\mu = -0.8656$	ANGLE 5 $\mu = -0.7550$	ANGLE 6 $\mu = -0.6179$	ANGLE 7 $\mu = -0.4580$	ANGLE 8 $\mu = -0.2816$	ANGLE 9 $\mu = -0.0950$	SCALAR FLUX	
1.22E 01----1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1.00E 01----1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8.19E 00----1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6.36E 00----8.19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4.97E 00----6.36E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4.07E 00----4.97E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3.01E 00----4.07E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2.46E 00----3.01E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2.35E 00----2.46E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1.82E 00----2.35E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1.11E 00----1.82E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5.50E -01----1.11E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1.11E -01----5.50E -01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1.74E -01----1.11E -01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3.35E -02----3.35E -02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5.83E -04----5.83E -04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1.01E -04----1.01E -04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2.90E -05----1.01E -04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1.07E -05----2.90E -05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3.06E -06----1.07E -05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1.12E -06----3.06E -06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4.14E -07----1.12E -06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1.22E 01----1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1.00E 01----1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8.19E 00----1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6.36E 00----8.19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4.97E 00----6.36E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4.07E 00----4.97E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3.01E 00----4.07E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2.46E 00----3.01E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2.35E 00----2.46E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1.82E 00----2.35E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1.11E 00----1.83E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5.50E -01----1.11E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1.11E -01----5.50E -01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3.35E -02----1.11E -01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5.83E -04----3.35E -02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1.01E -04----5.83E -04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2.90E -05----1.01E -04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1.07E -05----2.90E -05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3.06E -06----1.07E -05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1.12E -06----3.06E -06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4.14E -07----1.12E -06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

4.065 TO 6.36 MEV NEUTRON SOURCE

NEUTRONS/MEV/STERADIAN/SOURCE NEUTRON)

4 PI R**2 FLUENCE AT 500.0 METERS

4.065 TO 6.36 MEV NEUTRON SOURCE

4 PI R**2 FLUENCE AT 500.0 METERS

(NEUTRONS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=0.9000	ANGLE 2 MU=-0.9894	ANGLE 3 MU=-0.8646	ANGLE 4 MU=-0.7550	ANGLE 5 MU=-0.6179	ANGLE 6 MU=-0.4580	ANGLE 7 MU=-0.2816	ANGLE 8 MU=-0.0950
1.22E 01----1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.40E 01----1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00----1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.26E 00----8.19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E 00----6.36E 00	5.249E-05	5.707E-05	7.347E-05	2.455E-03	2.760E-03	3.001E-03	3.278E-03	3.588E-03
4.07E 00----4.97E 00	2.427E-03	4.921E-03	4.859E-03	4.766E-03	4.682E-03	4.539E-03	4.676E-03	4.833E-03
3.01E 00----4.07E 00	4.938E-03	6.770E-03	6.798E-03	6.834E-03	6.922E-03	7.100E-03	7.406E-03	7.178E-03
2.46E 00----3.01E 00	6.766E-03	6.655E-03	6.708E-03	9.708E-03	9.762E-03	9.980E-03	1.021E-02	1.170E-02
2.35E 00----2.46E 00	5.693E-03	6.655E-03	6.708E-03	8.671E-03	8.946E-03	9.409E-03	1.005E-02	1.053E-02
1.87E 00----2.35E 00	8.386E-03	8.406E-03	8.792E-03	9.527E-03	9.746E-03	1.007E-02	1.054E-02	1.115E-02
1.11E 00----1.87E 00	9.389E-03	9.415E-03	9.415E-03	1.702E-02	1.725E-02	1.762E-02	1.815E-02	1.983E-02
5.50E-01----1.11E 00	5.50E-02	3.341E-02	3.347E-02	3.422E-02	3.493E-02	3.566E-02	3.701E-02	3.839E-02
1.01E-01----5.50E-01	1.914E-02	5.216E-02	5.220E-02	5.235E-02	5.263E-02	5.303E-02	5.413E-02	5.556E-02
3.35E-02----1.11E-01	2.571E-01	2.574E-01	2.585E-01	2.608F-01	2.639E-01	2.679E-01	2.728E-01	2.784E-01
5.83E-04----3.35E-02	2.341E-01	2.344E-01	2.342E-01	2.368E-01	2.368E-01	2.399E-01	2.451E-01	2.531E-01
1.01E-04----5.83E-04	1.461E-01	1.462E-01	1.462E-01	1.476E-01	1.488E-01	1.504E-01	1.524E-01	1.549E-01
2.90E-05----1.01E-04	6.454E-01	6.459E-01	6.459E-01	6.516E-01	6.568E-01	6.635E-01	6.714E-01	6.804E-01
1.07E-05----2.90E-05	1.914E-02	1.915E-02	1.921E-02	1.932E-02	1.947E-02	1.966E-02	1.989E-02	2.015E-02
3.06E-06----1.07E-05	5.216E-02	5.220E-02	5.220E-02	5.235E-02	5.263E-02	5.303E-02	5.413E-02	5.556E-02
1.32E-06----3.06E-05	1.415E-03	1.415E-03	1.420E-03	1.427E-03	1.437E-03	1.451E-03	1.466E-03	1.504E-03
4.14E-07----1.12E-06	3.130E-03	3.132E-03	3.144E-03	3.157E-03	3.179E-03	3.207E-03	3.241E-03	3.321E-03
0.0	4.603E-07	4.603E-03	4.606E-03	4.619E-03	4.642E-03	4.673E-03	4.711E-03	4.858E-03
ENERGY GROUP (MEV)	ANGLE 1C MU= 0.0950	ANGLE 11 MU= 0.2816	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 SCALAR FLUX
1.22F 01----1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.40E 01----1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00----1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00----8.19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E 00----6.36E 00	1.065E-03	1.526E-03	2.214E-03	3.915E-03	7.376E-03	1.505E-02	3.453E-02	2.073E-01
4.07E 00----4.97E 00	5.016E-03	6.019E-03	7.773E-03	1.101E-02	1.711E-02	2.895E-02	5.481E-02	1.984E-01
3.01E 00----4.07E 00	3.07E-02	3.70E-02	1.845E-02	1.915E-02	2.196E-02	5.590E-02	3.132E-02	1.106E-01
2.46E 00----3.01E 00	9.998E-03	1.477E-03	8.619E-03	1.477E-02	2.559E-02	3.587E-02	5.324E-02	8.615E-02
2.35E 00----2.46E 00	1.534E-02	1.855F-02	2.223E-02	3.009E-02	4.027E-02	5.590E-02	8.155E-02	1.288E-01
1.87E 00----2.35E 00	1.370E-02	1.571E-02	1.845E-02	2.196E-02	2.655E-02	3.258E-02	4.056E-02	5.093E-02
1.11E 00----1.87E 00	1.415E-02	1.746E-02	1.962E-02	1.962E-02	2.492E-02	2.789E-02	3.068E-02	3.905E-02
5.50E-01----1.11E 00	2.425E-02	2.634F-02	2.878E-02	3.156E-02	3.461E-02	3.781E-02	4.091E-02	4.353E-02
1.11E-01----5.50E-01	4.178E-02	4.376E-02	4.587E-02	4.804E-02	5.016E-02	5.209E-02	5.367E-02	5.466E-02
3.35E-02----1.11E-01	4.178E-02	4.376E-02	4.587E-02	4.804E-02	5.016E-02	5.209E-02	5.367E-02	5.260E-01
5.83E-04----3.35E-02	2.915E-01	3.057E-01	2.668E-01	2.711E-01	2.749E-01	2.7815E-01	3.125E-01	3.544E-00
1.01E-04----5.83E-04	1.595E-01	1.620E-01	1.646E-01	1.670E-01	1.691E-01	1.709E-01	1.722E-01	1.994E-02
2.90E-05----1.01E-04	7.007E-01	7.113E-01	7.218E-01	7.315E-01	7.402E-01	7.474E-01	7.557E-01	8.762E-02
1.07E-05----2.90E-05	2.073E-02	2.104E-02	2.124E-02	2.162E-02	2.187E-02	2.222E-02	2.231E-02	2.593E-03
3.06E-06----1.07E-05	5.634E-02	5.714E-02	5.792E-02	5.865E-02	5.929E-02	5.983E-02	6.021E-02	7.046E-03
1.12E-06----3.06E-06	1.524E-03	1.545E-03	1.565E-03	1.584E-03	1.601E-03	1.614E-03	1.625E-03	1.906E-04
4.14E-07----1.12E-06	3.364E-02	3.409E-02	3.452E-02	3.492E-02	3.557E-02	3.591E-02	3.598E-02	4.208E-04
0.0	4.915E-07	4.974E-03	5.032E-03	5.086E-03	5.133E-03	5.170E-03	5.210E-03	6.152E-04

4 PI R**2 FLUENCE AT 600.0 METERS

4.065 TO 6.36 MEV NEUTRON SOURCE

(NEUTRONS/MEV/STERADIANS/SOURCE NEUTRON)									
ENERGY GROUP (MEV)	ANGLE 1 MU=-1.0000	ANGLE 2 MU=-0.9894	ANGLE 3 MU=-0.9446	ANGLE 4 MU=-0.8656	ANGLE 5 MU=-0.7550	ANGLE 6 MU=-0.6179	ANGLE 7 MU=-0.4580	ANGLE 8 MU=-0.2816	ANGLE 9 MU=-0.0950
1.22E 01----1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01----1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00----1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00----8.19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E 00----6.36E 00	4.115E-05	5.642E-05	7.715E-05	1.068E-04	1.547E-04	2.346E-04	3.533E-04	5.350E-04	8.350E-04
4.07E 00----4.97E 00	1.538E-03	1.707E-03	1.782E-03	1.912E-03	2.075E-03	2.264E-03	2.475E-03	2.722E-03	3.034E-03
3.01E 00----4.07E 00	3.371E-03	3.361E-03	3.321E-03	3.263E-03	3.13E-03	3.192E-03	3.229E-03	3.533E-03	3.69E-03
2.46E 00----3.01E 00	4.825E-03	4.82E-03	4.834E-03	4.881E-03	4.956E-03	5.094E-03	5.336E-03	5.739E-03	6.382E-03
2.35E 00----2.46E 00	6.999E-03	7.004E-03	7.031E-03	7.102E-03	7.255E-03	7.542E-03	8.032E-03	8.619E-03	1.002E-02
1.83E 00----2.35E 00	6.590E-03	6.607E-03	6.682E-03	6.837E-03	7.087E-03	7.465E-03	8.004E-03	8.751E-03	9.751E-03
1.11E 00----1.83E 00	7.929E-03	7.952E-03	8.051E-03	8.243E-03	8.532E-03	8.939E-03	9.480E-03	1.018E-02	1.106E-02
5.50E-01----1.11E 00	1.533E-02	1.537E-02	1.590E-02	1.61E-02	1.641E-02	1.671E-02	1.711E-02	1.742E-02	2.058E-02
1.11E-01----5.50E-01	3.210E-02	3.217E-02	3.244E-02	3.294E-02	3.366E-02	3.461E-02	3.579E-02	3.722E-02	3.887E-02
3.35E-02----1.11E-01	2.587E-01	2.591E-01	2.604E-01	2.628E-01	2.662E-01	2.706E-01	2.759E-01	2.820E-01	2.889E-01
5.83E-04----3.35E-02	2.393E-01	2.402E-01	2.419E-01	2.444E-01	2.475E-01	2.512E-01	2.555E-01	2.602E-01	2.660E-01
1.01E-04----5.83E-04	1.509E-01	1.515E-01	1.525E-01	1.539E-01	1.557E-01	1.578E-01	1.603E-01	1.630E-01	1.660E-01
2.90E-05----1.01E-04	6.708E-01	6.714E-01	6.737E-01	6.779E-01	6.839E-01	6.915E-01	7.005E-01	7.109E-01	7.222E-01
1.07E-05----2.90E-05	1.999E-02	2.001E-02	2.008E-02	2.020E-02	2.038E-02	2.060E-02	2.086E-02	2.116E-02	2.149E-02
3.06E-06----1.07E-05	5.488E-02	5.488E-02	5.506E-02	5.539E-02	5.585E-02	5.644E-02	5.713E-02	5.793E-02	5.880E-02
1.12E-06----3.06E-05	1.494E-03	1.495E-03	1.500E-03	1.509E-03	1.526E-03	1.536E-03	1.555E-03	1.576E-03	1.599E-03
4.14E-07----1.12E-06	3.323E-03	3.323E-03	3.333E-03	3.352E-03	3.378E-03	3.421E-03	3.451E-03	3.496E-03	3.546E-03
0.0	-4.14E-07	4.906E-03	4.910E-03	4.925E-03	4.952E-03	4.988E-03	5.034E-03	5.086E-03	5.145E-03
ENERGY GROUP (MEV)	ANGLE 10 MU= 0.0950	ANGLE 11 MU= 0.2816	ANGLE 12 MU= 0.1580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9894	SCALAR FLUX
1.22E 01----1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01----1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00----1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.26E 00----8.19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E 00----6.36E 00	7.705E-04	1.110E-03	1.697E-03	2.880E-03	5.401E-03	1.089E-02	2.420E-02	3.710E-02	1.17AE-01
4.07E 00----4.97E 00	3.479E-03	4.195E-03	5.452E-03	7.748E-03	1.200E-02	2.009E-02	3.710E-02	5.331E-02	9.331E-02
3.01E 00----4.07E 00	4.065E-03	4.827E-03	6.042E-03	7.913E-03	1.073E-02	1.499E-02	2.175E-02	3.497E-02	7.699E-02
2.46E 00----3.01E 00	7.376E-03	8.883E-03	1.115E-02	1.457E-02	1.979E-02	2.801E-02	4.186E-02	6.802E-02	1.389E-01
2.35E 00----2.46E 00	1.183E-02	1.448E-02	1.838E-02	2.416E-02	3.284E-02	4.633E-02	6.859E-02	1.091E-01	2.233E-01
1.83E 00----2.35E 00	1.108E-02	1.283E-02	1.512E-02	1.812E-02	2.205E-02	2.719E-02	3.392E-02	4.248E-02	1.656E-01
1.11E 00----1.83E 00	1.216E-02	1.350E-02	1.513E-02	1.707E-02	1.931E-02	2.140E-02	2.440E-02	2.670E-02	1.638E-01
5.50E-01----1.11E 00	2.230E-02	2.435E-02	2.674E-02	2.948E-02	3.249E-02	3.563E-02	3.863E-02	4.101E-02	2.922E-01
1.11E-01----5.50E-01	4.073E-02	4.279E-02	4.499E-02	4.725E-02	4.946E-02	5.147E-02	5.309E-02	5.411E-02	5.131E-01
3.35E-02----1.11E-01	3.041E-01	3.119E-01	3.195E-01	3.264E-01	3.322E-01	3.392E-01	3.366E-01	3.704E-01	3.704E-01
5.83E-04----3.35E-02	2.963E-01	2.983E-01	2.755E-01	2.847E-01	2.882E-01	2.909E-01	2.925E-01	3.314E-01	4.990E-01
1.01E-04----5.83E-04	1.659E-01	1.689E-01	1.718E-01	1.745E-01	1.770E-01	1.790E-01	1.814E-01	2.074E-01	2.074E-01
2.90E-05----1.01E-04	7.342E-01	7.465E-01	7.585E-01	7.699E-01	7.800E-01	7.883E-01	7.980E-01	9.178E-01	9.178E-01
1.07E-05----2.90E-05	2.184E-02	2.220F-02	2.255E-02	2.287E-02	2.317E-02	2.341E-02	2.358E-02	2.730E-02	2.730E-02
3.06E-06----1.07E-05	5.972E-02	6.066E-02	6.158E-02	6.244E-02	6.321E-02	6.384E-02	6.457E-02	7.466E-03	7.466E-03
1.12E-06----3.06E-06	1.623E-03	1.647E-03	1.672E-03	1.694E-03	1.714E-03	1.731E-03	1.750E-03	2.029E-04	2.029E-04
4.14E-07----1.12E-06	3.598E-03	3.651E-03	3.703E-03	3.751E-03	3.794E-03	3.829E-03	3.855E-03	3.70E-03	4.499E-04
0.0	-4.14E-07	5.278E-03	5.349E-03	5.419E-03	5.485E-03	5.541E-03	5.586E-03	5.618E-03	5.605E-03

4 PI R**2 FLUENCE AT 900.0 METERS

4.065 TO 6.36 MEV NEUTRON SOURCE

4.065 TO 6.36 MEV NEUTRON SOURCE											
(NEUTRONS/MEV/STERADIANS/SOURCE NEUTRON)											
ENERGY GROUP (MEV)	ANGLE 1 MU=-1.0000	ANGLE 2 MU=0.9894	ANGLE 3 MU=0.9446	ANGLE 4 MU=-0.8656	ANGLE 5 MU=-0.7550	ANGLE 6 MU=-0.6179	ANGLE 7 MU=-0.4580	ANGLE 8 MU=-0.2816	ANGLE 9 MU=-0.0950	SCALAR FLUX MU= 0.9894	SCALAR FLUX MU= 0.9894
1.22E 01---1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01---1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00---1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00---8.19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E 00---6.36E 00	1.553E-05	1.647E-05	2.322E-05	2.691E-05	3.696E-05	5.316E-05	7.935E-05	1.193E-04	1.756E-04	2.116E-04	2.077E-04
4.07E 00---4.97E 00	5.130E-04	5.395E-04	5.756E-04	6.219E-04	6.731E-04	7.379E-04	8.116E-04	8.965E-04	9.965E-04	9.503E-04	1.085E-03
3.01E 00---4.07E 00	9.676E-04	9.651E-04	9.557E-04	9.424E-04	9.322E-04	9.222E-04	9.152E-04	8.954E-03	8.695E-03	8.154E-03	2.105E-03
2.46E 00---3.01E 00	1.485E-03	1.487E-03	1.494E-03	1.511E-03	1.522E-03	1.592E-03	1.654E-03	1.779E-03	1.854E-03	1.931E-03	3.654E-03
2.35E 00---2.46E 00	2.224E-03	2.254E-03	2.580E-03	2.617E-03	2.807E-03	2.979E-03	3.223E-03	3.559E-03	4.013E-03	4.311E-03	5.177E-03
1.83E 00---2.35E 00	2.572E-03	3.624E-03	3.673E-03	3.767E-03	3.909E-03	4.111E-03	4.381E-03	4.732E-03	5.177E-03	5.732E-03	6.732E-03
1.11E 00---1.83E 00	3.613E-03	4.624E-03	4.673E-03	4.767E-03	4.872E-03	4.972E-03	5.085E-03	5.185E-03	5.285E-03	5.388E-03	5.488E-03
5.50E-01---1.11E 00	8.115E-03	8.089E-03	8.222E-03	8.422E-03	8.426E-03	8.727E-03	9.685E-03	1.048E-03	1.144E-02	2.337E-02	2.443E-02
1.11E-01---5.50E-01	1.970E-02	1.975E-02	1.993E-02	2.028E-02	2.078E-02	2.144E-02	2.227E-02	2.327E-02	2.409E-02	2.493E-02	2.591E-02
3.35E-02---1.11E-01	1.771E-01	1.782E-01	1.801E-01	1.821E-01	1.862E-01	1.882E-01	1.905E-01	1.956E-01	2.009E-01	2.069E-01	2.120E-01
5.83E-04---3.35E-02	1.688E-01	1.690E-01	1.698E-01	1.712E-01	1.732E-01	1.757E-01	1.788E-01	1.824E-01	1.863E-01	1.883E-01	1.917E-01
1.01E-04---5.83E-04	1.093E-01	1.095E-01	1.097E-01	1.106E-01	1.118E-01	1.133E-01	1.152E-01	1.173E-01	1.197E-01	1.217E-01	1.237E-01
2.90E-05---1.01E-04	4.936E-01	4.941E-01	4.956E-01	4.968E-01	5.050E-01	5.116E-01	5.196E-01	5.288E-01	5.388E-01	5.488E-01	5.588E-01
1.07E-05---2.90E-05	1.489E-02	1.491E-02	1.497E-02	1.508E-02	1.523E-02	1.543E-02	1.567E-02	1.594E-02	1.624E-02	1.652E-02	1.682E-02
3.06E-06---1.07E-05	4.145E-02	4.149E-02	4.165E-02	4.195E-02	4.237E-02	4.290E-02	4.354E-02	4.428E-02	4.508E-02	4.582E-02	4.656E-02
1.12E-06---3.06E-05	1.143E-03	1.142E-03	1.147E-03	1.155E-03	1.167E-03	1.181E-03	1.198E-03	1.218F-03	1.239E-03	1.259E-03	1.277E-03
4.14E-07---1.12E-06	2.564E-03	2.566E-03	2.576E-03	2.593E-03	2.618E-03	2.650E-03	2.687E-03	2.730E-03	2.777E-03	2.817E-03	2.857E-03
0.0	-4.14E-07	3.832E-03	3.836E-03	3.850E-03	3.875E-03	3.910E-03	3.953E-03	4.003E-03	4.060E-03	4.123E-03	4.183E-03

4 PI R**2 FLUENCE AT 120n.u METERS

4.065 TO 6.36 MEV NEUTRON SOURCE

(NEUTRONS/MEV/STERADIANS/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=1.0000	ANGLE 2 MU=-0.9396	ANGLE 3 MU=0.9446	ANGLE 4 MU=-0.8656	ANGLE 5 MU=-0.7550	ANGLE 6 MU=-0.6179	ANGLE 7 MU=-0.4580	ANGLE 8 MU=-0.2816	ANGLE 9 MU=-0.0950
1.22E 01---1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01---1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00---1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00---8.19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E 00---6.36E 00	4.866E-06	5.125E-06	6.180E-06	8.116E-06	1.111E-05	1.500E-05	2.349E-05	3.491E-05	5.113E-05
4.07E 00---4.97E 00	1.425E-04	1.439E-04	1.589E-04	1.710E-04	1.866E-04	2.022E-04	2.224E-04	2.443E-04	2.443E-04
3.01E 00---4.07E 00	2.548E-04	2.542E-04	2.511E-04	2.473E-04	2.422E-04	2.422E-04	2.682E-04	2.90E-04	2.90E-04
2.46E 00---3.01E 00	4.021E-04	4.027E-04	4.055E-04	4.112E-04	4.220E-04	4.409E-04	4.726E-04	5.243E-04	6.057E-04
2.35E 00---2.46E 00	6.187E-04	6.212E-04	6.350E-04	6.541E-04	6.902E-04	7.402E-04	9.522E-04	1.122E-03	1.122E-03
1.83E 00---2.35E 00	8.379E-04	8.411E-04	8.549E-04	8.822E-04	9.247E-04	9.811E-04	1.075E-03	1.195E-03	1.358E-03
1.11E 00---1.83E 00	1.303E-03	1.307E-03	1.325E-03	1.360E-03	1.414E-03	1.490E-03	1.592E-03	1.726E-03	1.898E-03
5.50E-01---1.11E 00	3.230E-03	3.241E-03	3.277E-03	3.373E-03	3.502E-03	3.607E-03	3.696E-03	4.538E-03	4.538E-03
1.11E-01---5.50E-01	8.750E-03	8.771E-03	8.859E-03	9.023E-03	9.261E-03	9.577E-03	9.972E-03	1.045E-02	1.101E-02
3.35E-02---1.11E-01	8.474E-02	8.487E-02	8.530E-02	8.638E-02	8.778E-02	8.959E-02	9.179E-02	9.437E-02	9.72E-02
5.83E-04---3.35E-02	8.263E-02	8.272E-02	8.314E-02	8.389E-02	8.495E-02	8.633E-02	8.798E-02	8.989E-02	9.200E-02
1.01E-04---5.83E-04	5.440E-00	5.466E-00	5.513E-00	5.578E-00	5.633E-00	5.765E-00	5.882E-00	6.011E-00	6.011E-00
2.90E-05---1.01E-04	2.488E-01	2.499E-01	2.519E-01	2.548E-01	2.555E-01	2.585E-01	2.629E-01	2.680E-01	2.736E-01
1.07E-05---2.90E-05	7.563E-01	7.571E-01	7.605E-01	7.666E-01	7.752E-01	7.863E-01	7.996E-01	8.149E-01	8.317E-01
3.06E-06---1.07E-05	2.126E-02	2.129E-02	2.155E-02	2.178E-02	2.218E-02	2.245E-02	2.287E-02	2.335E-02	2.335E-02
1.12E-06---3.06E-05	5.904E-02	5.910E-02	5.935E-02	5.981E-02	6.045E-02	6.128E-02	6.246E-02	6.340E-02	6.464E-02
4.14E-07---1.12E-05	1.335E-03	1.337E-03	1.352E-03	1.352E-03	1.367E-03	1.385E-03	1.407E-03	1.432E-03	1.459E-03
0.0	-4.14E-07	2.012E-03	2.022E-03	2.037E-03	2.057E-03	2.092E-03	2.112E-03	2.143E-03	2.182E-03
ENERGY GROUP (MEV)	ANGLE 10 MU= 0.0950	ANGLE 11 MU= 0.2816	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9944	SCALAR FLUX
1.22E 01---1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01---1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00---1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00---8.19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E 00---6.36E 00	7.415E-05	1.099E-04	1.734E-04	2.970E-04	5.434E-04	1.037E-03	2.075E-03	6.168E-03	3.755E-03
4.07E 00---4.97E 00	2.894E-04	3.548E-04	4.667E-04	6.607E-04	9.947E-04	1.559E-03	2.586E-03	5.144E-03	6.728E-03
3.01E 00---4.07E 00	7.314E-04	9.236E-04	1.217E-03	1.670E-03	2.375E-03	3.446E-03	5.325E-03	8.511E-03	1.532E-02
2.46E 00---3.01E 00	7.314E-04	9.236E-04	1.217E-03	1.670E-03	2.375E-03	3.446E-03	5.325E-03	8.511E-03	1.532E-02
2.35E 00---2.46E 00	1.398E-03	1.796E-03	2.468E-03	3.363E-03	4.901E-03	7.466E-03	1.183E-02	1.981E-02	3.105E-02
1.83E 00---2.35E 00	1.877E-03	2.870E-03	2.266E-03	2.765E-03	4.227E-03	4.247E-03	6.471E-03	6.471E-03	2.433E-02
1.11E 00---1.83E 00	2.109E-03	2.693E-03	2.693E-03	3.075E-03	3.512E-03	3.936E-03	4.444E-03	4.790E-03	2.807E-02
5.50E-01---1.11E 00	5.048E-03	5.607E-03	6.227E-03	7.041E-03	7.992E-03	8.777E-03	9.591E-03	1.017E-02	6.755E-02
1.11E-01---5.50E-01	1.166E-02	1.237E-02	1.315E-02	1.395E-02	1.474E-02	1.555E-02	1.602E-02	1.636E-02	1.473E-01
3.35E-02---1.11E-01	1.038E-01	1.042E-01	1.134E-01	1.140E-01	1.140E-01	1.140E-01	1.179E-01	1.190E-01	1.255E-00
5.83E-04---3.35E-02	9.427E-02	9.661E-02	9.886E-02	1.012E-01	1.032E-01	1.059E-01	1.061E-01	1.069E-01	1.177E-00
1.01E-04---5.83E-04	6.150E-00	6.292E-00	6.436E-00	6.569E-00	6.790E-00	6.865E-00	6.908E-00	6.980E-00	7.680E-00
2.90E-05---1.01E-04	2.196E-01	2.858E-01	2.919E-01	2.977E-01	3.028E-01	3.071E-01	3.122E-01	3.492E-01	3.492E-01
1.07E-05---2.90E-05	8.496E-01	8.681E-01	8.836E-01	9.036E-01	9.191E-01	9.320E-01	9.414E-01	9.469E-01	1.061E-01
3.06E-06---1.07E-05	2.382E-02	2.433E-02	2.482E-02	2.529E-02	2.572E-02	2.607E-02	2.632E-02	2.647E-02	2.975E-02
1.12E-06---3.06E-05	6.597E-02	6.733E-02	6.876E-02	6.994E-02	7.107E-02	7.210E-02	7.310E-02	7.420E-02	8.240E-02
4.14E-07---1.12E-05	1.498E-03	1.518E-03	1.539E-03	1.601E-03	1.637E-03	1.661E-03	1.692E-03	1.723E-03	1.855E-03
0.0	-4.14E-07	2.222E-03	2.263E-03	2.304E-03	2.342E-03	2.376E-03	2.403E-03	2.443E-03	2.777E-03

4 PI R**2 FLUENCE AT 1500.0 METERS

4.065 TO 6.36 HEV NEUTRON SOURCE

(NEUTRONS/MEV/STERADIANSOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=-1.00000	ANGLE 2 MU=-0.99844	ANGLE 3 MU=-0.9446	ANGLE 4 MU=-0.8656	ANGLE 5 MU=-0.7550	ANGLE 6 MU=-0.6179	ANGLE 7 MU=-0.4580	ANGLE 8 MU=-0.2816	ANGLE 9 MU=0.0950
1.22E 01---1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00F 01---1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00---1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.56E 00---8.19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E 00---6.36E 00	0.0	1.386E-06	1.454E-06	1.735E-06	2.261E-06	3.087E-06	4.403E-06	6.458E-06	9.532E-06
4.07F 00---4.97E 00	3.758E-05	3.792E-05	3.935E-05	4.168E-05	4.477E-05	4.847E-05	5.276E-05	5.803E-05	6.511E-05
3.01E 00---4.07E 00	6.403E-05	6.442E-05	6.490E-05	6.279E-05	6.285E-05	6.460E-05	6.460E-05	6.460E-05	7.528E-05
2.46E 00---3.01E 00	1.021E-04	1.032E-04	1.050E-04	1.050E-04	1.083E-04	1.139E-04	1.233E-04	1.388E-04	1.622E-04
2.35E 00---2.46E 00	1.610E-04	1.619E-04	1.657E-04	1.731E-04	1.849E-04	2.227E-04	2.286E-04	2.663E-04	3.211E-04
1.83E 00---2.35E 00	2.474E-04	2.484E-04	2.618E-04	2.954E-04	2.954E-04	3.613E-04	4.131E-04	4.613E-04	5.392E-05
1.11E 00---1.83E 00	4.134E-04	4.149E-04	4.207E-04	4.320E-04	4.495E-04	4.744E-04	5.078E-04	5.515E-04	6.073E-04
5.50E-01---1.11E 00	1.104E-03	1.1C7E-03	1.124E-03	1.155E-03	1.200E-03	1.264E-03	1.347E-03	1.455E-03	1.590E-03
1.-11E-01---5.50E-01	3.229E-03	3.237E-03	3.271E-03	3.334E-03	3.426E-03	3.568E-03	3.700E-03	3.886E-03	4.105E-03
3.-35E-02---1.-11E-01	3.304E-02	3.312E-02	3.371E-02	3.323E-02	3.367E-02	3.425E-02	3.494E-02	3.699E-02	3.819E-02
5.-83E-04---3.-35E-02	3.270E-02	3.274E-02	3.292E-02	3.292E-02	3.323E-02	3.367E-02	3.425E-02	3.574E-02	3.662E-02
1.-01E-04---5.-83E-04	2.177E-00	2.179E-00	2.191E-00	2.210E-00	2.238E-00	2.274E-00	2.317E-00	2.367E-00	2.422E-00
2.-90E-05---1.-01E-04	1.004E-01	1.009E-01	1.018E-01	1.030E-01	1.046E-01	1.065E-01	1.085E-01	1.111E-01	1.137E-01
1.-07E-05---2.-90E-05	3.072E-01	3.075E-01	3.090E-01	3.116E-01	3.152E-01	3.201E-01	3.258E-01	3.325E-01	3.397E-01
3.-06E-06---1.-07E-05	8.699E-01	8.708E-01	8.749E-01	8.821E-01	8.925E-01	9.057E-01	9.216E-01	9.399E-01	9.600E-01
1.-12E-06---3.-06E-06	2.429E-02	2.421E-02	2.464E-02	2.490E-02	2.527E-02	2.570E-02	2.620E-02	2.674E-02	2.721E-02
4.-14E-07---1.-12E-06	5.521E-02	5.522E-02	5.596E-02	5.659E-02	5.739E-02	5.836E-02	5.947E-02	6.068E-02	6.200E-02
0.0	-4.-14E-07	8.367E-02	8.376E-02	8.477E-02	8.566E-02	8.677E-02	8.808E-02	8.958E-02	9.124E-02
ENERGY GROUP (MEV)	ANGLE 11 MU= 0.C950	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9694	SCALAR FLUX	
1.22E 01---1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.-C0E 01---1.-22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00---1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.-36E 00---8.-19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.-97E 00---6.-36E 00	2.028E-05	3.026E-05	4.833E-05	8.282E-05	8.282E-05	2.809E-04	5.432E-04	5.432E-04	9.642E-04
4.-07F 00---4.-97E 00	7.030E-05	7.307E-05	7.719E-04	2.551E-04	2.551E-04	6.214E-04	1.087E-03	1.087E-03	1.679E-03
3.-01F 00---4.-07E 00	8.659F-05	1.042E-04	1.307E-04	1.690E-04	2.222E-04	2.933E-04	4.838E-04	4.838E-04	1.520E-03
2.-46E 00---3.-01E 00	1.090E-04	2.553E-04	3.420E-04	4.705E-04	6.870E-04	1.022E-03	1.564E-03	2.466E-03	4.318E-03
2.-35E 00---2.-46E 00	4.829E-04	7.522E-04	1.022E-03	1.522E-03	1.522E-03	2.895E-03	5.598E-03	5.598E-03	9.557E-03
1.-83E 00---2.-35E 00	6.829E-04	6.918E-04	8.624E-04	1.073E-03	1.339E-03	1.659E-03	1.993E-03	1.993E-03	7.461E-03
1.-11E 00---1.-83E 00	6.775E-04	7.643E-04	8.700E-04	9.655E-04	1.139E-03	1.293E-03	1.438E-03	1.545E-03	0.221E-03
5.-50E-01---1.-11E 00	1.757E-03	1.960E-03	2.203E-02	2.484E-03	2.795E-03	3.119E-03	3.414E-03	3.620E-03	2.346E-02
1.-11E-01---5.-50E-01	4.636E-02	4.938E-02	5.253E-02	5.561E-02	5.842E-02	6.199E-02	6.604E-02	6.199E-02	5.509E-02
3.-35E-02---1.-11E-01	3.949E-02	4.087E-02	4.227E-02	4.363E-02	4.488E-02	4.595E-02	4.675E-02	4.721E-02	4.935E-01
5.-83E-04---3.-35E-02	3.757E-02	3.856E-02	3.955E-02	4.049E-02	4.134E-02	4.205E-02	4.258E-02	4.289E-02	4.592E-01
1.-C1E-04---5.-83E-04	2.481E-00	2.542E-00	2.602E-00	2.660E-00	2.712E-00	2.755E-00	2.805E-00	2.805E-00	3.097E-01
2.-C0E-05---1.-01E-04	1.137E-01	1.163E-01	1.190E-01	1.215E-01	1.237E-01	1.270E-01	1.278E-01	1.419E-01	1.419E-01
1.-07E-05---2.-90E-05	3.475E-01	3.555E-01	3.710E-01	3.778E-01	3.834E-01	3.876E-01	3.900E-01	4.239E-02	4.239E-02
3.-06E-06---1.-07E-05	9.815E-01	1.004E-02	1.025E-02	1.046E-02	1.065E-02	1.092E-02	1.098E-02	1.226E-03	1.226E-03
1.-12E-06---3.-06E-06	2.733E-02	2.792E-02	2.853E-02	2.909E-02	2.959E-02	3.001E-02	3.032E-02	3.413E-03	3.413E-03
4.-14E-07---1.-12E-06	6.198E-02	6.332E-02	6.664E-02	6.589E-02	6.700E-02	6.861E-02	6.900E-02	7.741E-03	7.741E-03
0.0	-4.-14E-07	9.302E-02	9.486E-02	9.669E-02	9.993E-02	1.012E-03	1.020E-03	1.026E-03	1.162E-04

4 PI R**2 FLUENCE AT 1800.0 METERS

4.065 TO 6.36 MEV NEUTRON SOURCE

(NEUTRONS/MEV/STERADIAN/SOURCE NEUTRON)									
ENERGY GROUP (MEV)	ANGLE 1 MU=-1.0000	ANGLE 2 MU=-0.9894	ANGLE 3 MU=-0.9446	ANGLE 4 MU=-0.8656	ANGLE 5 MU=-0.7550	ANGLE 6 MU=-0.6179	ANGLE 7 MU=-0.4580	ANGLE 8 MU=-0.2816	ANGLE 9 MU=-0.0950
1.22E-01----1.50E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E-01----1.22E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E-00----1.00E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E-00----8.19E-00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E-00----6.36E-00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.07E-00----6.97E-00	9.570E-06	9.653E-06	9.990E-06	1.057E-05	1.133E-05	1.225E-05	1.332E-05	1.465E-05	1.645E-05
3.01E-00----4.07E-00	1.564E-05	1.550E-05	2.533E-05	2.584E-05	2.676E-05	2.832E-05	3.092E-05	3.508E-05	4.160E-05
2.46E-00----3.01E-00	2.503E-05	2.508E-05	4.059E-05	4.175E-05	4.395E-05	4.745E-05	5.259E-05	5.993E-05	7.066E-05
2.35E-00----2.46E-00	4.032E-05	4.032E-05	7.032E-05	7.296E-05	7.703E-05	8.291E-05	9.107E-05	1.023E-04	1.175E-04
1.82E-00----2.35E-00	6.863E-05	6.895E-05	1.215E-04	1.233E-04	1.266E-04	1.318E-04	1.492E-04	1.623E-04	1.790E-04
1.11E-00----1.83E-00	1.211E-04	1.215E-04	2.427E-04	3.479E-04	3.577E-04	3.723E-04	3.926E-04	4.193E-04	4.537E-04
5.50E-01----1.11E-00	3.415E-04	3.427E-04	3.479E-04	3.491E-04	3.494E-04	3.506E-04	3.518E-04	3.534E-04	3.554E-04
1.11E-01----5.50E-01	1.058E-03	1.061E-03	1.072E-03	1.075E-03	1.078E-03	1.124E-03	1.166E-03	1.217E-03	1.280E-03
3.35E-02----1.11E-01	1.122E-02	1.129E-02	1.137E-02	1.141E-02	1.148E-02	1.151E-02	1.158E-02	1.171E-02	1.209E-02
4.83E-04----3.35E-02	1.148E-02	1.150E-02	1.136E-02	1.130E-02	1.128E-02	1.127E-02	1.126E-02	1.125E-02	1.268E-02
1.01E-04----5.83E-04	7.575E-01	7.584E-01	7.623E-01	7.623E-01	7.623E-01	7.694E-01	7.795E-01	7.924E-01	8.459E-01
2.90E-05----1.01E-04	3.511E-00	3.512E-00	3.523E-00	3.523E-00	3.523E-00	3.609E-00	3.666E-00	3.815E-00	3.903E-00
1.07E-05----2.90E-05	1.080E-01	1.081E-01	1.086E-01	1.086E-01	1.086E-01	1.096E-01	1.109E-01	1.127E-01	1.178E-01
3.06E-06----1.07E-05	3.073E-01	3.077E-01	3.091E-01	3.119E-01	3.156E-01	3.205E-01	3.265E-01	3.331E-01	3.405E-01
6.14E-07----3.06E-06	8.615E-01	8.625E-01	8.665E-01	8.739E-01	8.843E-01	8.976E-01	9.136E-01	9.321E-01	9.524E-01
6.14E-07----1.12E-06	1.966E-02	1.977E-02	1.996E-02	2.017E-02	2.047E-02	2.082E-02	2.124E-02	2.169E-02	2.216E-02
3.0----4.14E-07	2.991E-02	2.995E-02	3.008E-02	3.032E-02	3.065E-02	3.107E-02	3.150E-02	3.212E-02	3.274E-02
ENERGY GROUP (MEV)	ANGLE 10 MU= 0.0950	ANGLE 11 MU= C.2816	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9894	SCALAR FLUX
1.22E-01----1.50E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E-01----1.22E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E-00----1.00E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E-00----8.19E-00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E-00----6.36E-00	5.311E-06	8.010E-06	1.283E-05	2.198E-05	3.949E-05	7.279E-05	1.369E-04	2.417E-04	4.086E-04
4.07E-00----4.97E-00	1.916E-05	2.354E-05	4.086E-05	6.303E-05	9.507E-05	1.544E-04	2.322E-04	4.086E-04	4.086E-04
3.01E-00----4.07E-00	2.144E-05	2.580E-05	3.225E-05	4.445E-05	5.402E-05	7.037E-05	8.995E-05	1.099E-04	3.695E-04
2.46E-00----3.01E-00	5.168E-05	6.718E-05	9.112E-05	1.284E-04	1.871E-04	2.805E-04	4.302E-04	6.697E-04	1.153E-03
2.35E-00----2.46E-00	1.091E-04	1.992E-04	2.902E-04	4.436E-04	7.118E-04	1.94E-03	2.757E-03	2.757E-03	2.757E-03
1.83E-00----2.35E-00	1.380E-04	1.655E-04	2.020E-04	2.699E-04	3.115E-04	3.888E-04	4.795E-04	5.693E-04	2.140E-03
1.11E-00----1.83E-00	2.001E-04	2.261E-04	2.578E-04	2.954E-04	3.381E-04	3.836E-04	4.261E-04	4.563E-04	4.725E-03
5.50E-01----1.11E-00	5.508E-04	6.164E-04	6.947E-04	7.858E-04	8.868E-04	9.913E-04	1.066E-03	1.152E-03	1.152E-03
1.11E-01----5.50E-01	1.439E-03	1.535E-03	1.638E-03	1.745E-03	1.851E-03	1.946E-03	2.022E-03	2.066E-03	2.066E-03
3.35E-02----1.11E-01	1.356E-02	1.405E-02	1.454E-02	1.503E-02	1.547E-02	1.585E-02	1.644E-02	1.631E-02	1.694E-02
5.83E-04----3.35E-02	1.302E-02	1.338E-02	1.373E-02	1.407E-02	1.436E-02	1.464E-02	1.482E-02	1.494E-02	1.626E-02
1.01E-04----5.83E-04	8.673E-01	8.894E-01	9.114E-01	9.324E-01	9.513E-01	9.670E-01	9.787E-01	9.854E-01	1.083E-01
2.90E-05----1.01E-04	3.937E-00	4.094E-00	4.190E-00	4.282E-00	4.364E-00	4.433E-00	4.483E-00	4.512E-00	4.990E-01
1.07E-05----2.90E-05	1.227E-01	1.257E-01	1.286E-01	1.314E-01	1.339E-01	1.375E-01	1.383E-01	1.532E-02	1.532E-02
3.06E-06----1.07E-05	3.444E-01	3.647E-01	3.647E-01	3.724E-01	3.793E-01	3.850E-01	3.917E-01	4.350E-02	4.350E-02
1.12E-06----3.06E-06	9.741E-01	9.964E-01	1.019E-02	1.040E-02	1.058E-02	1.074E-02	1.085E-02	1.092E-02	1.216E-03
4.14E-07----1.12E-06	2.218E-02	2.267E-02	2.317E-02	2.363E-02	2.440E-02	2.480E-02	2.486E-02	2.480E-02	2.769E-03
0.0	3.340E-02	3.409E-02	3.478E-02	3.543E-02	3.600E-02	3.667E-02	3.680E-02	3.699E-02	4.174E-03

4 PI R**2 FLUENCE AT 75.0 METERS

4.065 TO 6.36 MEV NEUTRON SOURCE

(GAMMAS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=-1.00E+0	ANGLE 2 MU=-0.9894	ANGLE 3 MU=-0.9446	ANGLE 4 MU=-0.8656	ANGLE 5 MU=+0.7550	ANGLE 6 MU=-0.6179	ANGLE 7 MU=-0.4580	ANGLE 8 MU=-0.2816	ANGLE 9 MU=-0.0950
8.00E 00----1.00E 01	3.227E-07	3.230E-07	3.243E-07	3.266E-07	3.301E-07	3.346E-07	3.400E-07	3.461E-07	3.528E-07
6.50E 00----1.00E 00	6.651E-07	6.658E-07	6.731E-07	6.802E-07	6.893E-07	6.949E-07	7.039E-07	7.128E-07	7.264E-07
5.00E 00----5.00E 00	8.439E-05	8.84F-05	8.660E-05	8.998E-05	9.493E-05	1.17E-04	1.107E-04	1.228E-04	1.393E-04
4.00E 00----5.00E 00	7.526E-05	7.583E-05	7.794E-05	8.180E-05	8.709E-05	9.387E-05	1.026E-04	1.144E-04	1.304E-04
3.00E 00----5.00E 00	2.167E-05	2.195E-05	2.462E-05	2.662E-05	2.882E-05	3.136E-05	3.468E-05	3.930E-05	4.268E-05
2.50E 00----3.00E 00	2.885E-04	2.901E-04	2.965E-04	3.086E-04	3.260E-04	3.494E-04	3.805E-04	4.222E-04	4.787E-04
2.00E 00----2.50E 00	4.833E-04	4.864E-04	4.984E-04	5.207E-04	5.518E-04	5.925E-04	6.459E-04	7.156E-04	8.154E-04
1.66E 00----2.00E 00	2.488E-04	2.505E-04	2.579E-04	2.709E-04	2.884E-04	3.107E-04	3.377E-04	3.788E-04	4.326E-04
1.33E 00----1.66E 00	3.151E-04	3.164E-04	3.216E-04	3.323E-04	3.493E-04	3.764E-04	4.095E-04	4.577E-04	5.230E-04
1.00E 00----1.33E 00	9.331E-05	9.213E-05	8.846E-05	8.428E-05	8.353E-05	8.875E-05	1.003E-04	1.171E-04	1.383E-04
8.00E-01----1.00E 00	1.031E-04	1.024E-04	1.007E-04	9.987E-05	1.030E-04	1.120E-04	1.171E-04	1.470E-04	1.731E-04
6.00E-01----8.00E-01	9.842E-05	1.008E-04	1.094E-04	1.238E-04	1.405E-04	1.580E-04	1.774E-04	2.025E-04	2.397E-04
4.00E-01----6.00E-01	3.473E-04	3.502E-04	3.612E-04	3.806E-04	4.068E-04	4.410E-04	4.883E-04	5.555E-04	6.484E-04
3.00E-01----4.00E-01	5.984E-04	5.990E-04	6.047E-04	6.251E-04	6.728E-04	7.534E-04	8.649E-04	9.964E-04	1.134E-03
2.00E-01----3.00E-01	2.030E-03	2.059E-03	2.092E-03	2.132E-03	2.171E-03	2.208E-03	2.299E-03	2.484E-03	2.999E-03
1.00E-01----2.00E-01	3.770E-03	3.774E-03	3.794E-03	3.833E-03	3.887E-03	3.961E-03	4.055E-03	4.171E-03	4.309E-03
5.00E-02----1.00E-01	7.505E-03	7.512E-03	7.537E-03	7.586E-03	7.658E-03	7.751E-03	7.865E-03	7.999E-03	8.153E-03
2.00E-02----5.00E-02	2.042E-03	2.043E-03	2.046E-03	2.053E-03	2.062E-03	2.074E-03	2.089E-03	2.106E-03	2.125E-03
ENERGY GROUP (MEV)	ANGLE 10 MU= 0.0500	ANGLE 11 MU= 0.2816	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8556	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9894	SCALAR FLUX
8.00E 00----1.00E 01	3.600E-07	3.673E-07	3.743E-07	3.807E-07	3.865E-07	3.916E-07	3.948E-07	3.946E-07	4.493E-06
6.50E 00----1.00E 00	7.409E-07	7.551E-07	7.701E-07	7.831E-07	7.948E-07	8.051E-07	8.112E-07	8.112E-07	9.248E-06
5.00E 00----6.50E 00	2.250E-04	2.691E-04	2.755E-04	2.755E-04	3.580E-04	6.063E-04	9.851E-04	1.502E-03	2.982E-03
4.00E 00----5.00E 00	1.667E-04	1.572E-04	2.440E-04	2.568E-04	3.442E-04	5.660E-04	9.547E-04	1.456E-03	2.839E-03
3.00E 00----4.00E 00	7.199E-05	5.831E-05	6.902E-05	7.710E-05	1.049E-04	1.681E-04	2.556E-04	3.753E-04	8.416E-04
2.50E 00----3.00E 00	5.343E-04	1.021E-03	8.018E-04	9.358E-04	1.242E-03	2.025E-03	3.193E-03	4.755E-03	1.017E-02
2.00E 00----2.50E 00	1.326E-03	1.590E-03	1.636E-03	2.111E-03	3.518E-03	5.533E-03	8.462E-03	1.737E-02	3.446E-02
1.66E 00----2.00E 00	4.866E-04	9.322E-04	7.386E-04	8.705E-04	1.177E-03	1.940E-03	3.068E-03	4.549E-03	9.446E-03
1.33E 00----1.66E 00	5.871E-04	1.125E-03	6.918E-04	1.057E-03	1.430E-03	2.338E-03	3.659E-03	5.374E-03	1.130E-02
1.00E 00----1.33E 00	1.683E-04	2.162E-04	2.686E-04	3.267E-04	5.044E-04	7.451E-04	8.905E-04	1.132E-03	3.087E-03
8.00E-01----1.00E 00	2.115E-04	2.728E-04	3.632E-04	4.326E-04	6.151E-04	8.375E-04	9.262E-04	1.110E-03	3.682E-03
6.00E-01----8.00E-01	2.977E-04	3.838E-04	4.786E-04	5.858E-04	7.702E-04	9.706E-04	1.055E-03	1.188E-03	4.740E-03
4.00E-01----6.00E-01	7.712E-04	9.228E-04	1.068E-03	1.212E-03	1.458E-03	1.736E-03	1.872E-03	2.128E-03	1.060E-02
3.00E-01----4.00E-01	1.4C1E-03	1.523E-03	1.642E-03	1.877E-03	2.150E-03	2.324E-03	2.506E-03	2.571E-03	1.571E-02
2.00E-01----3.00E-01	2.380E-03	2.632E-03	2.766E-03	3.076E-03	3.497E-03	3.689E-03	4.071E-03	4.152E-03	3.152E-02
1.00E-01----2.00E-01	4.473E-03	4.664E-03	4.877E-03	5.104E-03	5.353E-03	5.622E-03	5.955E-03	5.976E-03	5.693E-02
5.00E-02----1.00E-01	8.324E-03	8.59E-03	8.701E-03	8.890E-03	9.074E-03	9.375E-03	9.420E-03	1.045E-01	1.045E-01
2.00E-02----5.00E-02	2.146E-03	2.167E-03	2.189E-03	2.210E-03	2.230E-03	2.247E-03	2.259E-03	2.264E-03	2.691E-02

4 PI R**2 FLUENCE AT 150.0 METERS

4.065 TO 6.36 MEV NEUTRON SOURCE

(GAMMAS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=-0.0000	ANGLE 2 MU=-0.9846	ANGLE 3 MU=-0.8656	ANGLE 4 MU=-0.7550	ANGLE 5 MU=-0.6179	ANGLE 6 MU=-0.4580	ANGLE 7 MU=-0.2816	ANGLE 8 MU=-0.0950	ANGLE 9 MU=0.0950
8.00E 00---1.00E 01	1.118E-06	1.128E-06	1.143E-06	1.166E-06	1.195E-06	1.232E-06	1.274E-06	1.322E-06	1.322E-06
6.50E 00---8.00E 00	2.306E-06	2.326E-06	2.358E-06	2.404E-06	2.464E-06	2.539E-06	2.625E-06	2.723E-06	2.723E-06
5.00E 00---6.50E 00	1.093E-04	1.121E-04	1.172E-04	1.241E-04	1.329E-04	1.443E-04	1.598E-04	1.806E-04	1.806E-04
4.00E 00---5.00E 00	8.439E-05	8.846E-05	9.524E-05	1.032E-04	1.120E-04	1.223E-04	1.362E-04	1.562E-04	1.562E-04
3.00E 00---4.00E 00	3.043E-05	3.122E-05	3.395E-05	3.815E-05	4.238E-05	4.600E-05	4.945E-05	5.397E-05	6.088E-05
2.50E 00---3.00E 00	3.552E-04	2.379E-04	3.483E-04	3.666E-04	3.908E-04	4.210E-04	4.598E-04	5.125E-04	5.858E-04
2.00E 00---2.50E 00	5.376E-04	5.429E-04	5.972E-04	6.901E-04	7.529E-04	8.386E-04	9.598E-04	10.598E-04	11.598E-04
1.66E 00---2.00E 00	2.782E-04	2.818E-04	2.948E-04	3.163E-04	3.415E-04	3.703E-04	4.049E-04	4.524E-04	5.240E-04
1.33E 00---1.66E 00	3.705E-04	3.717E-04	3.879E-04	4.077E-04	4.589E-04	4.848E-04	5.487E-04	6.355E-04	6.355E-04
1.00E 00---1.33E 00	1.611E-04	1.571E-04	1.640E-04	1.283E-04	1.225E-04	1.335E-04	1.603E-04	1.970E-04	2.400E-04
8.00E-01---1.00E 00	1.729E-04	1.703E-04	1.626E-04	1.558E-04	1.595E-04	1.785E-04	2.109E-04	2.532E-04	3.077E-04
6.00E-01---8.00E-01	1.433E-04	1.495E-04	1.717E-04	2.066E-04	2.430E-04	2.758E-04	3.095E-04	3.586E-04	4.453E-04
4.00E-01---6.00E-01	5.972E-04	6.040E-04	6.289E-04	6.711E-04	7.252E-04	7.980E-04	9.081E-04	1.080E-03	1.332E-03
3.00E-01---4.00E-01	1.074E-03	1.087E-03	1.142E-03	1.280E-03	1.421E-03	1.521E-03	1.724E-03	2.233E-03	2.614E-03
2.00E-01---3.00E-01	4.377E-03	4.360E-03	4.440E-03	4.542E-03	4.648E-03	4.742E-03	4.822E-03	4.904E-03	5.019E-03
1.00E-01---2.00E-01	9.842E-03	9.826E-03	9.906E-03	1.003E-02	1.021E-02	1.046E-02	1.078E-02	1.116E-02	1.167E-02
5.00E-02---1.00E-01	2.262E-02	2.275E-02	2.297E-02	2.328E-02	2.369E-02	2.420E-02	2.484E-02	2.553E-02	2.623E-02
2.00E-02---5.00E-02	6.466E-03	6.481E-03	6.511E-03	6.553E-03	6.608E-03	6.676E-03	6.737E-03	6.848E-03	6.948E-03
ENERGY GROUP (MEV)	ANGLE 10 MU= 0.0950	ANGLE 11 MU= 0.2816	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9894	SCALAR FLUX
8.00E 00---1.00E 01	1.375E-06	1.431E-06	1.487E-06	1.543E-06	1.636E-06	1.667E-06	1.667E-06	1.683E-06	1.717E-05
6.50E 00---8.00E 00	2.830E-06	2.942E-06	3.058E-06	3.170E-06	3.271E-06	3.358E-06	3.421E-06	3.453E-06	3.533E-05
5.00E 00---6.50E 00	1.748E-04	2.770E-04	2.794E-04	4.960E-04	4.703E-04	9.963E-04	9.497E-04	9.497E-04	9.497E-04
4.00E 00---5.00E 00	1.505E-04	2.499E-04	2.705E-04	3.934E-04	5.994E-04	8.223E-04	1.524E-03	3.329E-03	4.013E-03
3.00E 00---4.00E 00	5.592E-05	9.863E-05	9.58E-05	1.478E-04	1.819E-04	3.139E-04	5.099E-04	1.003E-03	1.425E-03
2.50E 00---3.00E 00	8.372E-04	6.972E-04	1.169E-03	1.254E-03	2.060E-03	3.011E-03	4.980E-03	1.049E-02	1.426E-02
2.00E 00---2.50E 00	1.527E-03	1.625E-03	2.361E-03	3.541E-03	4.763E-03	6.655E-03	1.803E-02	2.360E-02	2.360E-02
1.66E 00---2.00E 00	7.615E-04	6.399E-04	1.077E-03	1.213E-03	2.018E-03	3.046E-03	5.075E-03	1.363E-02	1.363E-02
1.33E 00---1.66E 00	9.205E-04	7.737E-04	1.328E-03	1.490E-03	2.481E-03	3.697E-03	6.016E-03	1.180E-02	1.639E-02
1.00E 00---1.33E 00	3.324E-04	5.670E-04	8.433E-04	1.196E-03	2.196E-03	3.822E-03	6.696E-03	7.009E-03	7.009E-03
8.00E 00---1.00E 00	4.259E-04	5.068E-04	7.412E-04	1.121E-03	1.520E-03	2.175E-03	2.813E-03	3.544E-03	8.485E-03
6.00E 00---8.00E 00	6.268E-04	8.007E-04	1.122E-03	1.548E-03	1.946E-03	2.531E-03	3.059E-03	3.649E-03	1.110E-02
4.00E 00---6.00E 00	1.007E-03	2.046E-03	3.021E-03	4.763E-03	8.655E-03	1.471E-03	4.938E-03	6.009E-03	2.390E-02
3.00E 00---4.00E 00	3.010E-03	3.601E-03	4.035E-03	4.452E-03	5.181E-03	5.914E-03	6.800E-03	7.635E-03	8.000E-03
2.00E 00---3.00E 00	5.289E-03	5.437E-03	5.838E-03	6.465E-03	6.977E-03	7.992E-03	8.989E-03	1.034E-02	1.036E-02
1.00E 00---2.00E 00	1.422E-02	1.293E-02	1.373E-02	1.665E-02	1.563E-02	1.572E-02	1.777E-02	1.863E-02	1.577E-01
5.00E 00---6.00E 00	2.635E-02	2.724E-02	2.823E-02	2.923E-02	3.118E-02	3.198E-02	3.248E-02	3.320E-01	3.320E-01
2.00E 00---5.00E 00	6.950E-03	7.057E-03	7.169E-03	7.282E-03	7.386E-03	7.480E-03	7.552E-03	7.595E-03	8.721E-02

4 PI R**2 FLUENCE AT 200.0 METERS

4.065 TO 6.36 MEV NEUTRON SOURCE

(GAMMAS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
8.00E-00---1.00E+01	MU=-0.9894	MU=-0.9466	MU=-0.8656	MU=-0.7550	MU=-0.6179	MU=-0.4580	MU=-0.2816	MU=-0.0950	
1.78E-06	1.78E-06	1.80E-06	1.80E-06	1.82E-06	1.87E-06	1.93E-06	2.01E-06	2.10E-06	2.208E-06
3.674E-06	3.683E-06	3.715E-06	3.779E-06	3.873E-06	3.997E-06	4.151E-06	4.334E-06	4.545E-06	4.954E-06
1.198E-04	1.198E-04	1.232E-04	1.239E-04	1.270E-04	1.465E-04	1.586E-04	1.745E-04	1.969E-04	1.969E-04
8.774E-05	8.743E-05	8.774E-05	8.774E-05	8.774E-05	1.044E-04	1.144E-04	1.279E-04	1.584E-04	1.584E-04
3.00E-00---4.00E-00	3.00E-00	3.485E-04	3.501E-05	4.001E-05	4.537E-05	5.151E-05	5.566E-05	6.390E-05	7.196E-05
2.50E-00---3.00E-00	2.50E-00	3.262E-04	3.262E-04	3.417E-04	3.662E-04	3.885E-04	4.191E-04	4.577E-04	5.108E-04
2.00E-00---2.50E-00	2.00E-00	5.134E-04	5.199E-04	5.439E-04	5.813E-04	6.285E-04	6.781E-04	7.384E-04	8.224E-04
1.66E-00---2.00E-00	1.66E-00	2.666E-04	2.710E-04	2.871E-04	3.124E-04	3.398E-04	3.679E-04	4.017E-04	5.245E-04
1.33E-00---1.66E-00	1.33E-00	3.679E-04	3.679E-04	3.717E-04	3.833E-04	4.001E-04	4.320E-04	4.802E-04	6.390E-04
1.00E-00---1.33E-00	1.00E-00	1.865E-04	1.865E-04	1.804E-04	1.608E-04	1.322E-04	1.284E-04	1.435E-04	2.783E-04
8.00E-01---1.00F-00	8.00E-01	1.968E-04	1.968E-04	1.807E-04	1.807E-04	1.694E-04	1.986E-04	2.193E-04	3.578E-04
6.00E-01---8.00E-01	6.00E-01	1.499E-04	1.584E-04	1.889E-04	2.366E-04	2.814E-04	3.191E-04	3.555E-04	5.228E-04
4.00E-01---6.00E-01	4.00E-01	6.900E-04	6.989E-04	7.316E-04	7.850E-04	8.509E-04	9.400E-04	1.081E-03	1.657E-03
3.00E-01---4.00E-01	3.00E-01	5.268E-03	5.268E-03	5.281E-03	5.328E-03	5.457E-03	5.883E-03	6.873E-03	3.388E-03
2.00E-01---3.00E-01	2.00E-01	5.479E-03	5.503E-03	5.593E-03	5.733E-03	5.877E-03	5.999E-03	6.097E-03	6.196E-03
1.00E-01---2.00E-01	1.00E-01	1.330E-02	1.333E-02	1.342E-02	1.360E-02	1.387E-02	1.424E-02	1.471E-02	1.602E-02
5.00E-02---1.00E-01	5.00E-02	3.272E-02	3.277E-02	3.295E-02	3.30E-02	3.381E-02	3.448E-02	3.532E-02	3.633E-02
2.00E-02---5.00E-02	2.00E-02	9.558E-03	9.564E-03	9.590E-03	9.688E-03	9.708E-03	9.799E-03	9.911E-03	1.004E-02
ENERGY GROUP (MEV)	ANGLE 10	ANGLE 11	ANGLE 12	ANGLE 13	ANGLE 14	ANGLE 15	ANGLE 16	ANGLE 17	SCALAR FLUX
8.00E-00---1.00E+01	MU= 0.0950	MU= 0.2810	MU= 0.6179	MU= 0.7550	MU= 0.7550	MU= 0.9446	MU= 0.9894	MU= 0.9894	
6.50E-00---8.00E-01	2.324E-06	2.450E-06	2.581E-06	2.733E-06	2.836E-06	2.943E-06	3.023E-06	3.068E-06	2.914E-05
5.00E-00---6.50E-00	5.037E-06	5.303E-06	5.595E-06	5.819E-06	6.034E-06	6.197E-06	6.288E-06	6.593E-06	6.593E-05
4.00E-00---5.00E-00	2.462E-04	2.570E-04	3.533E-04	4.277E-04	6.327E-04	9.750E-04	1.293E-03	4.293E-03	4.888E-03
3.00E-00---4.00E-00	9.192E-05	9.044E-05	3.081E-04	3.798E-04	5.810E-04	9.453E-04	1.744E-03	4.091E-03	4.351E-03
2.50E-00---3.00E-00	6.166E-04	9.132E-04	1.002E-03	1.461E-03	1.953E-03	3.219E-03	5.709E-03	1.749E-03	1.749E-03
2.00E-00---2.50E-00	1.66E-04	9.132E-04	1.722E-03	1.821E-03	1.937E-03	5.343E-03	9.535E-03	2.117E-02	2.476E-02
1.66E-00---2.00E-00	5.592E-04	8.457E-04	9.481E-04	1.477E-03	1.985E-03	3.375E-03	6.007E-03	1.242E-02	1.454E-02
1.23E-00---1.66E-00	6.755E-04	1.020E-03	1.155E-03	1.755E-03	2.473E-03	4.124E-03	7.087E-03	1.406E-02	1.749E-02
1.00E-00---1.33E-00	3.231E-04	4.687E-04	6.411E-04	1.044E-03	1.433E-03	2.072E-03	2.926E-03	3.355E-03	8.921E-03
8.00E-01---1.00E-00	4.374E-04	6.522E-04	9.263E-04	1.433E-03	2.072E-03	2.661E-03	3.403E-03	4.192E-03	1.089E-02
6.00E-01---8.00E-01	7.027E-04	1.051E-03	1.457E-03	2.055E-03	3.374E-03	5.343E-03	9.535E-03	1.436E-02	1.501E-02
4.00E-01---6.00E-01	2.096E-03	2.693E-03	3.255E-03	3.933E-03	5.463E-03	5.407E-03	6.502E-03	7.997E-03	3.049E-02
3.00E-01---4.00E-01	3.819E-03	4.273E-03	4.645E-03	5.183E-03	5.822E-03	6.710E-03	7.757E-03	8.952E-03	4.672E-02
2.00E-01---3.00E-01	6.525E-03	6.586E-03	7.428E-03	8.181E-03	9.009E-03	1.017E-02	1.154E-02	1.323E-02	8.920E-02
1.00E-01---2.00E-01	1.688E-02	1.792E-02	1.911E-02	2.048E-02	2.199E-02	2.361E-02	2.552E-02	2.657E-02	2.181E-01
5.00E-02---1.00E-01	3.888E-02	4.041E-02	4.206E-02	4.391E-02	4.556E-02	4.722E-02	4.844E-02	4.911E-02	4.911E-02
2.00E-02---5.00E-02	1.037E-02	1.055E-02	1.074E-02	1.103E-02	1.127E-02	1.140E-02	1.147E-02	1.157E-02	1.301E-01

4 PI R**2 FLUE, ^E AT 300.0 METERS

4.065 TO 6.36 MEV NEUTRON SOURCE

(GAMMAS/MEV/STERADIANSOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
8.00E 00---1.00E 01	MU=-1.0000	MU=-0.9894	MU=-0.9446	MU=-0.8656	MU=-0.7550	MU=-0.6179	MU=-0.4580	MU=-0.2816	MU=-0.0950
6.50E 00---8.00E 00	3.119E-06	3.129E-06	3.167E-06	3.242E-06	3.352E-06	3.502E-06	3.691E-06	3.924E-06	4.202E-06
5.00E 00---6.50E 00	6.465E-06	6.543E-06	6.696E-06	6.923E-06	6.923E-06	7.227E-06	7.612E-06	8.650E-06	
4.00E 00---5.00E 00	1.340E-04	1.384E-04	1.458E-04	1.548E-04	1.548E-04	1.650E-04	1.773E-04	1.941E-04	2.179E-04
3.00E 00---4.00E 00	7.261E-05	7.972E-05	9.037E-05	9.037E-05	1.005E-04	1.087E-04	1.166E-04	1.281E-04	1.474E-04
2.50E 00---3.00E 00	2.705E-04	2.743E-04	2.884E-04	3.109E-04	3.109E-04	3.640E-05	7.093E-05	7.890E-05	8.874E-05
2.00E 00---2.50E 00	4.144E-04	4.237E-04	4.414E-04	4.743E-04	4.743E-04	5.026E-04	5.359E-04	5.949E-04	6.412E-04
1.66E 00---2.00E 00	2.185E-04	2.237E-04	2.423E-04	2.697E-04	2.697E-04	3.190E-04	3.462E-04	3.895E-04	4.601E-04
1.33E 00---1.66E 00	3.194E-04	3.200E-04	3.249E-04	3.249E-04	3.249E-04	3.394E-04	3.685E-04	4.153E-04	5.679E-04
1.00E 00---1.33E 00	2.005E-04	1.920E-04	1.639E-04	1.307E-04	1.194E-04	1.411E-04	1.895E-04	2.474E-04	3.030E-04
8.00E-01---1.00E 00	2.062E-04	2.000E-04	1.831E-04	1.669E-04	1.725E-04	2.056E-04	2.584E-04	3.189E-04	3.908E-04
6.00E-01---8.00E-01	1.512E-04	1.399E-04	1.918E-04	2.516E-04	3.056E-04	3.444E-04	3.786E-04	4.420E-04	5.838E-04
4.00E-01---6.00E-01	7.635E-04	8.155E-04	8.796E-04	9.564E-04	1.064E-03	1.245E-03	1.555E-03	2.031E-03	
3.00E-01---4.00E-01	1.430E-03	1.428E-03	1.444E-03	1.545E-03	1.815E-03	2.287E-03	2.925E-03	3.632E-03	4.299E-03
2.00E-01---3.00E-01	6.710E-03	6.733E-03	6.864E-03	7.049E-03	7.232E-03	7.379E-03	7.490E-03	7.603E-03	7.781E-03
1.00E-01---2.00E-01	1.776E-02	1.780E-02	1.794E-02	1.820E-02	1.859E-02	1.913E-02	1.981E-02	2.068E-02	2.174E-02
5.00E-02---1.00E-01	4.790E-02	4.793E-02	4.821E-02	4.880E-02	4.964E-02	5.077E-02	5.219E-02	5.392E-02	5.595E-02
2.00E-02---5.00E-02	1.439E-02	1.443E-02	1.451E-02	1.463E-02	1.478E-02	1.497E-02	1.520E-02	1.546E-02	
ENERGY GROUP (MEV)	ANGLE 11	ANGLE 12	ANGLE 13	ANGLE 14	ANGLE 15	ANGLE 16	ANGLE 17	SCALAR FLUX	
8.00E 00---1.00E 01	MU= 0.2816	MU= 0.4580	MU= 0.6179	MU= 0.7550	MU= 0.8656	MU= 0.9446	MU= 0.9894		
6.50E 00---8.00E 00	4.893E-06	5.297E-06	5.720E-06	6.142E-06	6.521E-06	6.923E-06	7.403E-06	7.63E-05	
5.00E 00---6.50E 00	1.005E-05	1.087E-05	1.172E-05	1.257E-05	1.334E-05	1.394E-05	1.431E-05	1.184E-05	
4.00E 00---5.00E 00	2.477E-04	3.012E-04	3.617E-04	4.699E-04	6.444E-04	1.016E-03	1.961E-03	5.194E-03	5.342E-03
3.00E 00---4.00E 00	1.029E-04	1.267E-04	1.503E-04	1.927E-04	2.748E-04	5.445E-04	9.182E-04	4.872E-03	4.375E-03
2.50E 00---3.00E 00	6.285E-04	7.394E-04	9.733E-04	1.275E-03	1.870E-03	4.690E-04	8.439E-04	1.842E-03	2.185E-03
2.00E 00---2.50E 00	9.422E-04	1.219E-03	1.508E-03	2.065E-03	2.975E-03	4.932E-03	5.789E-03	1.405E-03	1.424E-03
1.66E 00---2.00E 00	5.817E-04	9.386E-04	1.279E-03	1.989E-03	1.989E-03	3.382E-03	6.499E-03	2.300E-02	2.291E-02
1.33E 00---1.66E 00	7.055E-04	8.374E-04	1.151E-03	1.618E-03	2.546E-03	4.200E-03	7.619E-03	1.444E-02	1.444E-02
1.00E 00---1.33E 00	3.748E-04	4.930E-04	7.544E-04	1.250E-03	2.065E-03	3.284E-03	5.077E-03	7.623E-03	1.111E-02
8.00E-01---1.00E 00	5.136E-04	7.339E-04	1.161E-03	1.822E-03	2.756E-03	3.905E-03	5.250E-03	6.760E-03	1.374E-02
6.00E-01---8.00E-01	8.598E-04	1.287E-03	1.906E-03	2.6638E-03	3.559E-03	4.520E-03	5.561E-03	6.688E-03	1.826E-02
4.00E-01---6.00E-01	2.674E-03	3.408E-03	4.206E-03	4.988E-03	5.818E-03	6.799E-03	8.157E-03	1.002E-02	3.803E-02
3.00E-01---4.00E-01	4.871E-03	5.338E-03	5.842E-03	6.458E-03	7.310E-03	8.384E-03	9.664E-03	1.104E-02	5.830E-02
2.00E-01---3.00E-01	8.102E-03	8.550E-03	9.240E-03	1.008E-02	1.117E-02	1.245E-02	1.402E-02	1.579E-02	1.097E-01
1.00E-01---2.00E-01	2.303E-02	2.455E-02	2.631E-02	2.831E-02	3.051E-02	3.203E-02	3.511E-02	3.696E-02	2.978E-01
5.00E-02---1.00E-01	5.830E-02	6.094E-02	6.383E-02	6.688E-02	6.998E-02	7.321E-02	7.540E-02	7.705E-02	7.378E-01
2.00E-02---5.00E-02	1.575E-02	1.606E-02	1.639E-02	1.672E-02	1.703E-02	1.730E-02	1.751E-02	1.764E-02	1.977E-01

4 PI R**2 FLUENCE AT 400.0 METERS

4.065 TO 6.36 MEV NEUTRON SOURCE

(GAMMAS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=-1.000	ANGLE 2 MU=-0.966	ANGLE 3 MU=-0.946	ANGLE 4 MU=-0.8656	ANGLE 5 MU=-0.7550	ANGLE 6 MU=-0.6179	ANGLE 7 MU=-0.580	ANGLE 8 MU=-0.2816	ANGLE 9 MU=-0.0950
8.00E 00---1.00E 01	4.170E-06	4.185E-06	4.248E-06	4.370E-06	4.551E-06	4.749E-06	5.119E-06	5.522E-06	6.020E-06
6.50E 00---8.00E 00	8.622E-06	8.654E-06	8.781E-06	9.039E-06	9.403E-06	9.907E-06	9.566E-06	1.239E-05	1.239E-05
5.00E 00---6.50E 00	1.399E-04	1.413E-04	1.463E-04	1.545E-04	1.642E-04	1.748E-04	1.876E-04	2.050E-04	2.299E-04
4.00E 00---5.00E 00	5.941E-05	6.169E-05	6.966E-05	8.117E-05	9.117E-05	9.801E-05	1.037E-04	1.129E-04	1.305E-04
3.00E 00---4.00E 00	4.775E-05	4.989E-05	5.730E-05	6.766E-05	7.596E-05	8.052E-05	8.328E-05	8.857E-05	1.002E-04
2.50E 00---3.00E 00	2.050E-04	2.091E-04	2.444E-04	2.659E-04	2.866E-04	2.866E-04	3.109E-04	3.475E-04	4.056E-04
2.00E 00---2.50E 00	3.095E-04	3.168E-04	3.430E-04	3.833E-04	4.171E-04	4.474E-04	4.813E-04	5.357E-04	6.271E-04
1.66E 30---2.00E 00	1.674E-04	1.724E-04	1.900E-04	2.149E-04	2.366E-04	2.538E-04	2.740E-04	3.099E-04	3.717E-04
1.33E 00---1.66E 00	2.577E-04	2.568E-04	2.552E-04	2.652E-04	2.652E-04	2.900E-04	3.318E-04	3.900E-04	4.642E-04
1.00E 00---1.33E 01	1.876E-04	1.783E-04	1.676E-04	1.522E-04	1.015E-04	1.264E-04	1.788E-04	2.356E-04	2.860E-04
8.00E -01---1.00E 00	1.889E-04	1.830E-04	1.646E-04	1.483E-04	1.556E-04	1.912E-04	2.447E-04	3.028E-04	3.707E-04
6.00E -01---8.00E-01	1.914E-04	1.316E-04	1.753E-04	2.378E-04	2.908E-04	3.250E-04	3.756E-04	4.165E-04	5.709E-04
4.00E -01---6.00E-01	7.551E-04	7.664E-04	8.078E-04	8.718E-04	9.487E-04	1.061E-03	1.259E-03	1.604E-03	2.133E-03
3.00E -01---4.00E-01	1.407E-03	1.406E-03	1.427E-03	1.547E-03	1.853E-03	2.378E-03	3.075E-03	3.830E-03	4.522E-03
2.00E -01---3.00E-01	6.944E-03	6.979E-03	7.106E-03	7.298E-03	7.481E-03	7.623E-03	7.831E-03	8.011E-03	8.218E-03
1.00E -01---2.00E-01	1.919E-02	1.939E-02	1.939E-02	1.969E-02	2.013E-02	2.073E-02	2.151E-02	2.248E-02	2.368E-02
5.00E -02---1.00E-01	5.463E-02	5.473E-02	5.516E-02	5.582E-02	5.685E-02	5.824E-02	5.998E-02	6.210E-02	6.461E-02
2.00E -02---5.00E-02	1.669E-02	1.670E-02	1.675E-02	1.685E-02	1.700E-02	1.718E-02	1.742E-02	1.769E-02	1.801E-02
ENERGY GROUP (MEV)	ANGLE 10 MU= 0.950	ANGLE 11 MU= 0.2816	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9894	SCALAR FLUX
8.00E 00---1.00E 01	6.62E-C5	7.331E-06	8.147E-06	9.48F-06	9.98E-06	1.089E-05	1.163E-05	1.210E-05	8.640E-05
6.50E 00---8.00E 00	1.361E-05	1.504E-05	1.669E-05	1.851E-05	2.040E-05	2.220E-05	2.370E-05	2.463E-05	1.773E-05
5.00E 00---6.50E 00	2.650E-04	3.121E-04	3.781E-04	4.760E-04	6.447E-04	9.893E-04	1.903E-03	5.365E-03	5.454E-03
4.00E 00---5.00E 00	1.596E-04	1.977E-04	2.511E-04	3.322E-04	4.869E-04	8.332E-04	1.764E-03	5.001E-03	4.063E-03
3.00E 00---4.00E 00	1.189E-04	1.424E-04	1.708E-04	2.122E-04	4.870E-04	9.386E-04	2.450E-03	2.450E-03	2.450E-03
2.50E 00---3.00E 00	6.904E-04	6.138E-04	7.859E-04	1.066E-03	1.572E-03	2.616E-03	5.159E-03	1.336E-02	1.218E-02
2.00E 00---2.50E 00	7.671E-04	9.552E-04	1.230E-03	1.664E-03	2.479E-03	6.183E-03	8.331E-03	2.126E-02	1.924E-02
1.66E 00---2.00E 00	4.621E-04	5.917E-04	7.770E-04	1.107E-03	1.759E-03	3.121E-03	6.119E-03	1.283E-02	1.543E-02
1.33E 00---1.66E 00	5.598E-04	7.095E-04	9.595E-04	1.429E-03	2.298E-03	3.924E-03	7.143E-03	1.478E-02	1.543E-02
1.00E 00---1.33E 00	3.458E-04	4.733E-04	7.556E-04	1.297E-03	2.189E-03	3.528E-03	5.460E-03	8.240E-03	1.150E-02
8.00E -01---1.00E 00	4.897E-04	7.389E-04	1.204E-03	1.949E-03	2.975E-03	4.225E-03	5.632E-03	7.185E-03	1.436E-02
6.00E -01---8.00E-01	8.731E-04	1.363E-03	2.044E-03	2.890E-03	3.845E-03	4.857E-03	5.898E-03	6.994E-03	1.921E-02
4.00E -01---6.00E-01	2.831E-03	3.638E-03	4.667E-03	5.272E-03	6.086E-03	7.046E-03	8.343E-03	1.009E-02	3.964E-02
3.00E -01---4.00E-01	5.086E-03	5.557E-03	6.043E-03	6.679E-03	7.540E-03	8.614E-03	9.811E-03	1.101E-02	6.036E-02
2.00E -01---3.00E-01	8.328E-03	9.515E-03	1.039E-02	1.143E-02	1.265E-02	1.404E-02	1.550E-02	1.127E-01	1.246E-01
1.00E -01---2.00E-01	2.512E-02	2.683E-02	2.879E-02	3.101E-02	3.341E-02	3.590E-02	4.100E-02	4.100E-02	3.246E-01
5.00E -02---1.00E-01	6.751E-02	7.078E-02	7.436E-02	8.196E-02	8.556E-02	8.858E-02	9.056E-02	8.549E-01	8.549E-01
2.00E -02---5.00E-02	1.837E-02	1.875E-02	1.915E-02	1.955E-02	1.992E-02	2.025E-02	2.050E-02	2.050E-02	2.306E-01

4 PI R**2 FLUENCE AT 500.0 METERS

4.065 TO 6.36 MEV NEUTRON SOURCE

ENERGY GROUP (MEV)

ANGLE 1 MU=-1.0000	ANGLE 2 MU=-0.9894	ANGLE 3 MU=-0.9446	ANGLE 4 MU=-0.8656	ANGLE 5 MU=-0.7520	ANGLE 6 MU=-0.6179	ANGLE 7 MU=-0.4580	ANGLE 8 MU=-0.2866	ANGLE 9 MU=-0.0950
8.00E 00----1.00E C1	4.774E-06	4.856E-06	5.015E-06	5.254E-05	5.086E-05	1.241E-05	1.354E-05	7.277E-06
6.50E 00----8.00E 00	9.835E-06	9.876E-06	1.004E-05	1.037E-05	1.086E-05	1.133E-05	1.497E-05	1.497E-05
5.00E 00----6.50E 00	1.396E-04	1.410E-04	1.462E-04	1.546E-04	1.647E-04	1.755E-04	2.067E-04	2.325E-04
4.00E 00----5.00E 00	4.931E-05	5.164E-05	5.977E-05	7.119E-05	8.088E-05	9.591E-05	1.744E-05	1.133E-04
3.00E 00----4.00E 00	5.217E-05	6.012E-05	7.109E-05	7.959E-05	8.400E-05	8.666E-05	9.249E-05	1.056E-04
2.50E 00----3.00E 00	4.987E-04	5.217E-04	6.012E-04	7.109E-04	7.959E-04	8.400E-04	8.666E-04	9.249E-04
2.00E 00----2.50E 00	1.484E-04	1.520E-04	1.643E-04	1.837E-04	2.013E-04	2.163E-04	2.335E-04	3.079E-04
1.66E 00----2.00E 00	2.214E-04	2.279E-04	2.509E-04	2.833E-04	3.123E-04	3.323E-04	3.554E-04	4.687E-04
1.33E 00----1.66E 00	1.246E-04	1.289E-04	1.439E-04	1.644E-04	1.811E-04	1.934E-04	2.084E-04	2.376E-04
1.00E 00----1.33E 00	2.007E-04	1.933E-04	1.951E-04	1.924E-04	1.988E-04	2.194E-04	2.555E-04	3.046E-04
8.00E 00----1.00E 00	1.639E-04	1.550E-04	1.253E-04	9.184E-05	8.322E-05	1.088E-04	1.581E-04	2.102E-04
6.00E 00----8.00E 01	9.785E-05	1.097E-05	1.097E-04	1.522E-04	2.117E-04	2.596E-04	2.879E-04	3.110E-04
4.00E 00----6.00E 01	7.073E-04	7.177E-04	7.556E-04	8.143E-04	8.864E-04	9.966E-04	1.195E-03	1.540E-03
3.00E 00----4.00E 01	1.297E-03	1.298E-03	1.325E-03	1.451E-03	1.761E-03	2.280E-03	3.675E-03	4.318E-03
2.00E 00----3.00E 01	6.588E-03	6.620E-03	6.738E-03	6.913E-03	7.076E-03	7.197E-03	7.279E-03	7.538E-03
1.00E 00----2.00E 01	1.858E-02	1.862E-02	1.876E-02	1.908E-02	1.952E-02	2.011E-02	2.087E-02	2.184E-02
5.00E 00----6.00E 01	5.478E-02	5.527E-02	5.601E-02	5.69E-02	5.799E-02	5.852E-02	6.033E-02	6.516E-02
2.00E 00----5.00E 02	1.688E-02	1.690E-02	1.695E-02	1.706E-02	1.720E-02	1.740E-02	1.764E-02	1.855E-02
ANGLE 10 MU= 0.0950	ANGLE 11 MU= 0.2816	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8653	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9894	SCALAR FLUX
8.00E 00----1.00E 01	8.156E-06	9.234E-06	1.053E-05	1.202E-05	1.367E-05	1.677E-05	1.772E-05	1.099E-04
6.50E 00----8.00E 00	1.675E-05	1.893E-05	2.154E-05	2.454E-05	2.784E-05	3.115E-05	3.404E-05	2.252E-04
5.00E 00----6.50E 00	2.686E-04	3.170E-04	3.818E-04	4.759E-04	6.323E-04	9.466E-04	1.778E-03	5.139E-03
4.00E 00----5.00E 00	1.395E-04	1.751E-04	2.211E-04	2.903E-04	4.242E-04	7.344E-04	1.578E-03	4.708E-03
3.00E 00----4.00E 00	1.266E-04	1.526E-04	1.823E-04	2.246E-04	3.098E-04	5.070E-04	9.730E-04	2.177E-03
2.50E 00----3.00E 00	3.782E-04	4.759E-04	6.149E-04	8.397E-04	1.263E-03	2.157E-03	4.354E-03	1.699E-02
2.00E 00----2.50E 00	5.796E-04	7.317E-04	9.441E-04	1.291E-03	1.960E-03	2.398E-03	6.900E-03	1.535E-02
1.66E 00----2.00E 00	3.661E-04	4.702E-04	6.257E-04	9.069E-04	1.488E-03	2.718E-03	5.403E-03	1.221E-02
1.33E 00----1.66E 00	4.423E-04	5.613E-04	7.779E-04	1.194E-03	1.983E-03	3.450E-03	6.277E-03	1.301E-02
1.00E 00----1.33E 00	3.029E-04	4.209E-04	6.969E-04	1.230E-03	2.105E-03	3.400E-03	5.232E-03	1.081E-02
8.00E 00----1.00E 00	4.425E-04	6.873E-04	1.151F-03	1.887E-03	2.889E-03	4.082E-03	5.377E-03	6.748E-03
6.00E 00----8.00E 01	8.229E-04	1.318E-03	1.991E-03	2.812E-03	3.722E-03	4.657E-03	5.578E-03	6.496E-03
4.00E 00----6.00E 01	2.749E-03	3.523E-03	4.301E-03	5.035E-03	5.760E-03	6.600E-03	7.716E-03	9.159E-03
3.00E 00----4.00E 01	4.827E-03	5.242E-03	5.679E-03	6.262E-03	7.051E-03	8.059E-03	9.007E-03	9.918E-03
2.00E 00----3.00E 01	7.830E-03	8.294E-03	8.928E-03	9.714E-03	1.063E-02	1.167E-02	1.279E-02	1.388E-02
1.00E 00----2.00E 01	2.442E-02	2.608E-02	2.799E-02	3.011E-02	3.239E-02	3.470E-02	3.683E-02	3.841E-02
5.00E 00----6.00E 01	6.817E-02	7.157E-02	7.528E-02	7.919E-02	8.312E-02	8.680E-02	9.181E-02	9.631E-02
2.00E 00----5.00E 02	1.862E-02	1.901E-02	1.942E-02	1.983E-02	2.021E-02	2.054E-02	2.080E-02	2.095E-02

4 PI R**2 FLUENCE AT 600.0 METERS

4.065 TO 6.36 MEV NEUTRON SOURCE

(GAMMAS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 $\mu = -1.000$	ANGLE 2 $\mu = -0.9894$	ANGLE 3 $\mu = -0.9646$	ANGLE 4 $\mu = -0.8656$	ANGLE 5 $\mu = -0.7550$	ANGLE 6 $\mu = -0.6179$	ANGLE 7 $\mu = -0.4580$	ANGLE 8 $\mu = -0.2816$	ANGLE 9 $\mu = -0.0950$
8.00E 00----1.00E 01	4.869E-06	4.891E-06	4.983E-06	5.165E-06	5.437E-06	5.813E-06	6.317E-06	6.977E-06	7.832E-06
6.50E 00----8.00E 00	1.012E-05	1.020E-05	1.031E-05	1.069E-05	1.201E-05	1.201E-05	1.304E-05	1.438E-05	1.611E-05
5.00E 00----6.50E 00	1.320E-04	1.234E-04	1.386E-04	1.470E-04	1.566E-04	1.673E-04	1.803E-04	1.984E-04	2.247E-04
4.00E 00----5.00E 00	4.035E-05	4.259E-05	5.039E-05	6.113E-05	6.943E-05	7.36E-05	7.648E-05	8.270E-05	9.712E-05
3.00E 00----4.00E 00	4.853E-05	5.081E-05	5.874E-05	6.954E-05	7.771E-05	8.182E-05	8.444E-05	9.071E-05	1.049E-04
2.50E 00----3.00E 00	1.041E-04	1.073E-04	1.186E-04	1.346E-04	1.484E-04	1.590E-04	1.706E-04	1.913E-04	2.281E-04
2.00E 00----2.50E 00	1.545E-04	1.599E-04	1.790E-04	2.051E-04	2.262E-04	2.405E-04	2.557E-04	2.858E-04	3.424E-04
1.66E 00----2.00E 00	9.165E-05	9.505E-05	1.069E-04	1.227E-04	1.350E-04	1.438E-04	1.553E-04	1.790E-04	2.214E-04
1.33E 00----1.66E 00	1.535E-04	1.518E-04	1.463E-04	1.416E-04	1.455E-04	1.626E-04	1.931E-04	2.337E-04	2.812E-04
1.00E 00----1.33E 00	1.374E-04	1.294E-04	1.027E-04	7.325E-05	6.688E-05	9.097E-05	1.355E-04	1.803E-04	2.142E-04
8.00E-01----1.00E 00	1.326E-04	1.281E-04	1.144E-04	1.040E-04	1.134E-04	1.443E-04	1.868E-04	2.299E-04	2.822E-04
6.00E-01----8.00E-01	7.811E-05	8.904E-05	1.280E-04	1.816E-04	2.231E-04	2.648E-04	2.648E-04	2.648E-04	2.648E-04
4.00E-01----6.00E-01	6.402E-04	6.491E-04	6.819E-04	7.334E-04	7.989E-04	9.030E-04	1.091E-03	1.416E-03	1.903E-03
3.00E-01----4.00E-01	1.151E-03	1.153E-03	1.184E-03	1.310E-03	1.603E-03	2.052E-03	2.694E-03	3.334E-03	3.892E-03
2.00E-01----3.00E-01	5.935E-03	5.963E-03	6.064E-03	6.212E-03	6.346E-03	6.461E-03	6.501E-03	6.571E-03	6.710E-03
1.00E-01----2.00E-01	1.687E-02	1.691E-02	1.705E-02	1.733E-02	1.773E-02	1.827E-02	1.895E-02	1.985E-02	2.091E-02
5.00E-02----1.00E-01	5.083E-02	5.091E-02	5.129E-02	5.199E-02	5.300E-02	5.336E-02	5.607E-02	5.815E-02	6.061E-02
2.00E-02----5.00E-02	1.574E-02	1.577E-02	1.580E-02	1.590E-02	1.604E-02	1.622E-02	1.644E-02	1.671E-02	1.702E-02
ENERGY GROUP (MEV)	ANGLE 10 $\mu = 0.3950$	ANGLE 11 $\mu = 0.2816$	ANGLE 12 $\mu = 0.206E-05$	ANGLE 13 $\mu = 0.6179$	ANGLE 14 $\mu = 0.7550$	ANGLE 15 $\mu = 0.8656$	ANGLE 16 $\mu = 0.9446$	ANGLE 17 $\mu = 0.9894$	SCALAR FLUX
8.00E 00----1.00E 01	8.930E-06	1.032F-05	1.414E-05	1.417E-05	1.660E-05	1.918E-05	2.156E-05	2.319E-05	2.558E-04
6.50E 00----8.00E 00	1.833E-05	2.114E-05	2.464E-05	2.886E-05	3.731E-05	3.865E-05	4.357E-05	4.680E-05	5.092E-03
5.00E 00----6.50E 00	3.100E-04	2.613E-04	3.745E-04	4.654E-04	6.115E-04	8.555E-04	1.632E-03	4.778E-03	3.174E-03
4.00E 00----5.00E 00	1.212E-04	1.523E-04	1.931E-04	2.516E-04	3.663E-04	6.378E-04	1.387E-03	9.658E-04	2.562E-03
3.00E 00----4.00E 00	1.272E-04	1.546E-04	1.854E-04	2.282E-04	3.133E-04	5.089E-04	9.658E-04	1.344E-03	2.807E-03
2.50E 00----3.00E 00	3.612E-04	4.691E-04	6.691E-04	6.455E-04	9.880E-04	1.730E-03	3.561E-03	9.756E-03	1.190E-02
2.00E 00----2.50E 00	4.293E-04	5.463E-04	7.080E-04	9.761E-04	1.511E-03	2.687E-03	5.542E-03	1.470E-02	1.190E-02
1.66F 00----2.00E 00	2.834E-04	3.666E-04	4.917E-04	7.269E-04	1.225E-03	2.89E-03	4.582E-03	8.841E-03	8.064E-02
1.32E 00----1.66E 00	3.410E-04	4.358E-04	6.170E-04	9.762E-04	1.662E-03	2.926E-03	5.296E-03	1.052E-02	1.052E-02
1.00E 00----1.33E 00	2.561E-04	3.625E-04	6.175E-04	1.110E-03	1.910E-03	3.012E-03	4.677E-03	6.892E-03	9.607E-03
8.00E-01----1.00E 00	3.862E-04	6.149E-04	1.046E-03	1.725E-03	2.631E-03	3.885E-03	4.787E-03	5.893E-03	1.219E-02
6.00E-01----8.00E-01	7.534E-04	1.209E-03	2.567E-03	3.696E-03	5.135E-03	4.170E-03	5.927E-03	5.536E-03	1.664E-02
4.00E-01----6.00E-01	2.524E-03	3.221E-03	3.903E-03	4.530E-03	5.135E-03	5.330E-03	6.736E-03	7.849E-03	3.393E-02
3.00E-01----4.00E-01	4.324E-03	4.672E-03	5.044E-03	5.548E-03	6.226E-03	7.022E-03	7.809E-03	8.459E-03	5.063E-02
2.00E-01----3.00E-01	6.970E-03	7.376E-03	7.922E-03	8.349E-03	9.349E-03	1.019E-02	1.182E-02	9.356E-02	1.064E-01
1.00E-01----2.00E-01	2.219E-02	2.368E-02	2.538E-02	2.726E-02	2.925E-02	3.123E-02	3.301E-02	3.427E-02	2.853E-01
5.00E-02----1.00E-01	6.662E-02	7.009E-02	7.373E-02	7.737E-02	8.075E-02	8.352E-02	8.528E-02	8.627E-01	8.027E-01
2.00E-02----5.00E-02	1.733E-02	1.773E-02	1.811E-02	1.848E-02	1.937E-02	1.944E-02	1.951E-02	2.178E-01	2.178E-01

4 PI R**2 FLUENCE AT 900.0 METERS

4.065 TO 6.36 MEV NEUTRON SOURCE

(GAMMAS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
8.00E 00---1.00E 01	MU=-0.9891	MU=-0.9446	MU=-0.8656	MU=-0.7550	MU=-0.6179	MU=-0.4580	MU=-0.2816	MU=-0.0950	MU=-0.266E-06
8.50E 00---8.00E 00	3.487E-06	3.551E-05	3.752E-06	3.991E-06	4.326E-06	4.787E-06	5.419E-06	6.219E-06	6.497E-05
9.00E 00---6.00E 00	7.205E-06	7.249E-06	7.429E-06	7.771E-06	8.266E-06	9.884E-06	1.116E-06	1.297E-05	1.297E-05
9.50E 00---5.00E 00	8.490E-05	8.594E-05	8.985E-05	9.606E-05	1.030E-05	1.08E-04	1.205E-04	1.562E-04	1.562E-04
1.00E 00---4.00E 00	1.916E-05	2.074E-05	2.645E-05	3.389E-05	3.897E-05	4.078E-05	4.136E-05	4.489E-05	5.411E-05
1.05E 00---3.00E 00	3.164E-05	3.230E-05	3.948E-05	4.751E-05	5.317E-05	5.571E-05	5.751E-05	6.305E-05	7.583E-05
1.10E 00---2.00E 00	3.186E-05	3.373E-05	4.033E-05	4.894E-05	5.502E-05	5.809E-05	6.116E-05	6.947E-05	8.06E-05
1.15E 00---2.50E 00	4.858E-05	5.113E-05	6.002E-05	7.148E-05	7.938E-05	8.340E-05	8.790E-05	1.003E-04	1.557E-04
1.20E 00---3.00E 00	3.622E-05	3.739E-05	4.149E-05	4.679E-05	5.090E-05	5.461E-05	6.094E-05	7.378E-05	9.521E-05
1.25E 00---3.33E 00	6.575E-05	6.392E-05	7.795E-05	5.182E-05	5.216E-05	6.176E-05	7.938E-05	1.006E-04	1.222E-04
1.30E 00---3.33E CO	6.991E-05	6.517E-05	4.955E-05	3.324E-05	3.155E-05	4.764E-05	7.435E-05	9.872E-05	1.159E-04
1.35E 00---1.00E 00	6.163E-05	5.983E-05	5.470E-05	5.258E-05	6.08C-05	7.903E-05	1.019E-04	1.259E-04	1.602E-04
1.40E 00---8.00E-01	3.380E-05	4.087E-05	6.597E-05	9.896E-05	1.225E-04	1.342E-04	1.463E-04	1.879E-04	2.328E-04
1.45E 00---6.00E-01	4.094E-04	4.144E-04	4.322E-04	4.628E-04	5.078E-04	5.844E-04	7.201E-04	9.414E-04	1.255E-03
1.50E 00---4.00E-01	7.009E-04	7.061E-04	7.396E-04	8.389E-04	1.039E-03	1.363E-03	1.712E-03	2.079E-03	2.322E-03
1.55E 00---3.00E-01	3.689E-03	3.702E-03	3.752E-03	3.820E-03	3.874E-03	3.904E-03	3.916E-03	3.940E-03	4.011E-03
1.60E 00---2.00E-01	1.037E-02	1.039E-02	1.048E-02	1.063E-02	1.090E-02	1.124E-02	1.166E-02	1.218E-02	1.234E-02
1.65E 00---1.00E-01	3.202E-02	3.221E-02	3.231E-02	3.275E-02	3.329E-02	3.425E-02	3.532E-02	3.662E-02	3.814E-02
1.70E 00---5.00E-02	5.00E-02	5.10E-02	5.20E-02	5.30E-02	5.40E-02	5.50E-02	5.60E-02	5.70E-02	5.80E-02
1.75E 00---2.00E-02	9.926E-03	9.934E-03	9.946E-03	1.003E-02	1.011E-02	1.022E-02	1.036E-02	1.053E-02	1.072E-02
1.80E 00---1.00E 01	MU= 0.0950	MU= 0.2816	MU= 0.4580	MU= 0.6179	MU= 0.7550	MU= 0.8556	MU= 0.9446	MU= 0.9894	MU= 1.28E-04
1.85E 00---8.00E 00	7.479E-06	9.128E-06	1.141E-05	1.455E-05	1.874E-05	2.395E-05	2.958E-05	3.405E-05	4.055E-05
1.90E 00---6.00E 00	8.533E-05	1.862E-05	2.312E-05	2.945E-05	3.773E-05	4.797E-05	5.998E-05	6.762E-05	7.212E-04
1.95E 00---5.00E 00	5.000E-06	1.868E-04	2.284E-04	3.642E-04	4.861E-04	7.000E-04	1.188E-03	3.219E-03	3.703E-03
2.00E 00---4.00E 00	9.410E-05	1.201E-04	1.201E-04	1.571E-04	2.306E-04	4.058E-04	8.771E-04	2.678E-03	1.956E-03
2.05E 00---3.00E 00	9.598E-05	1.202E-04	1.495E-04	1.903E-04	2.686E-04	3.076E-04	3.904E-04	3.916E-04	3.940E-03
2.10E 00---2.00E 00	1.145E-04	1.505E-04	1.992E-04	2.822E-04	4.556E-04	8.468E-04	1.798E-03	4.931E-03	5.591E-03
2.15E 00---1.00E 00	2.150E-04	2.150E-04	2.839E-04	4.054E-04	6.660E-04	1.254E-03	2.638E-03	6.846E-03	5.170E-03
2.20E 00---2.50E 00	1.646E-04	2.150E-04	2.839E-04	4.054E-04	6.660E-04	1.254E-03	2.638E-03	6.846E-03	5.170E-03
2.25E 00---2.00E 00	1.251E-04	1.656E-04	2.313E-04	3.638E-04	6.493E-04	1.246E-03	2.461E-03	4.411E-03	5.331E-03
2.30E 00---1.66E 00	1.485E-04	1.966E-04	3.001E-04	5.119E-04	9.072E-04	1.599E-03	2.789E-03	5.055E-03	5.663E-03
2.35E 00---1.66E 00	1.33E 00	1.00E 00	3.137E-04	3.852E-04	7.028E-04	1.191E-03	1.854E-03	2.691E-03	3.724E-03
2.40E 00---1.33E 00	1.00E 00	1.00E 00	2.343E-04	3.921E-04	6.746E-04	1.096E-03	1.624E-03	2.191E-03	2.716E-03
2.45E 00---1.00E 00	4.908E-04	7.86E-04	1.145E-03	1.165E-03	1.592E-03	2.421E-03	2.756E-03	3.016E-03	3.156E-03
2.50E 00---8.00E-01	6.00E-01	1.00E-01	1.638E-03	2.041E-03	2.737E-03	3.035E-03	3.370E-03	3.786E-03	4.229E-03
2.55E 00---6.00E-01	3.00E-01	1.00E-01	2.603E-03	2.777E-03	3.249E-03	3.608E-03	3.993E-03	4.321E-03	4.528E-03
2.60E 00---4.00E-01	2.00E-01	1.00E-01	4.153E-03	4.377E-03	5.003E-03	5.750E-03	6.111E-03	6.383E-03	5.59E-02
2.65E 00---2.00E-01	1.00E-01	1.00E-01	1.356E-02	1.537E-02	1.640E-02	1.746E-02	1.847E-02	1.932E-02	1.988E-02
2.70E 00---1.00E-01	5.00E-02	1.00E-01	3.988E-02	4.390E-02	4.606E-02	4.817E-02	5.010E-02	5.163E-02	5.257E-02
2.75E 00---5.00E-02	2.00E-02	1.00E-02	1.092E-02	1.137E-02	1.159E-02	1.179E-02	1.197E-02	1.210E-02	1.218E-02

4 PI R**2 FLUENCE AT 1200.0 METERS

4.065 TO 6.36 MEV NEUTRON SOURCE

(GAMMAS/MEV/STERADIANS/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
8.00E 00---1.00E 01	MU=0.9894	MU=-0.9446	MU=-0.8656	MU=-0.7550	MU=-0.6179	MU=-0.4580	MU=-0.2816	MU=-0.0950	MU=-0.0950
1.724E-06	1.737E-06	1.789E-06	1.885E-06	2.021E-06	2.209E-06	2.469E-06	2.846E-06	3.376E-06	3.376E-06
3.541E-06	3.572E-06	3.695E-06	3.912E-06	4.200E-06	4.577E-06	5.096E-06	5.843E-06	6.929E-06	6.929E-06
4.012E-05	4.076E-05	4.311E-05	4.671E-05	5.046E-05	5.494E-05	6.726E-05	7.973E-05	2.566E-05	2.566E-05
6.569E-06	7.607E-06	8.118E-05	1.566E-05	1.834E-05	1.874E-05	1.829E-05	1.982E-05	2.566E-05	2.566E-05
4.00E 00---5.00E 00	6.569E-06	7.607E-06	8.118E-05	1.566E-05	1.834E-05	1.874E-05	1.829E-05	1.982E-05	2.566E-05
3.00E 00---4.00E 00	1.386E-05	1.498E-05	1.885E-05	2.375E-05	2.684E-05	2.774E-05	2.819E-05	3.130E-05	3.935E-05
2.50E 00---3.00E 00	8.065E-06	9.072E-06	1.253E-05	1.678E-05	1.926E-05	1.979E-05	2.020E-05	2.368E-05	3.165E-05
2.00E 00---2.50E 00	1.451E-05	1.551E-05	1.894E-05	2.315E-05	2.574E-05	2.681E-05	2.838E-05	3.362E-05	4.449E-05
1.66E 00---2.00E 00	1.490E-05	1.501E-05	1.543E-05	1.605E-05	1.700E-05	1.896E-05	2.286E-05	2.977E-05	3.900E-05
1.33E 00---1.66E 00	2.783E-05	2.644E-05	2.181E-05	1.692E-05	1.642E-05	2.170E-05	3.122E-05	5.023E-05	5.023E-05
1.00E 00---1.33E 00	3.123E-05	2.879E-05	2.077E-05	1.275E-05	1.275E-05	2.277E-05	4.477E-05	4.636E-05	5.491E-05
8.00E-01---1.00E 00	2.325E-05	2.284E-05	2.199E-05	2.301E-05	2.812E-05	3.675E-05	4.708E-05	5.955E-05	8.167E-05
6.00E-01---8.00E-01	9.823E-06	1.383E-05	2.797E-05	4.580E-05	5.758E-05	6.300E-05	7.068E-05	9.856E-05	1.655E-04
4.00E-01---6.00E-01	2.211E-04	2.211E-04	2.316E-04	2.478E-04	2.753E-04	3.244E-04	4.087E-04	5.398E-04	7.133E-04
3.00E-01---4.00E-01	3.679E-04	3.730E-04	3.997E-04	4.658E-04	5.845E-04	7.525E-04	9.480E-04	1.132E-03	2.176E-03
2.00E-01---3.00E-01	2.025E-03	2.031E-03	2.050E-03	2.073E-03	2.086E-03	2.087E-03	2.080E-03	2.082E-03	2.112E-03
1.00E-01---2.00E-01	5.524E-03	5.536E-03	5.585E-03	5.677E-03	5.986E-03	6.208E-03	6.480E-03	6.805E-03	6.805E-03
5.00E-02---1.00E-01	1.712E-02	1.728E-02	1.751E-02	1.785E-02	1.830E-02	1.886E-02	1.955E-02	2.032E-02	2.032E-02
2.00E-02---5.00E-02	5.288E-03	5.292E-03	5.309E-03	5.340E-03	5.384E-03	5.443E-03	5.514E-03	5.593E-03	5.694E-03
ENERGY GROUP (MEV)	ANGLE 10	ANGLE 11	ANGLE 12	ANGLE 13	ANGLE 14	ANGLE 15	ANGLE 16	ANGLE 17	SCALAR FLUX
8.00E 00---1.00E 01	MU= 0.0950	MU= 0.4580	MU= 0.6179	MU= 0.7550	MU= 0.8656	MU= 0.9446	MU= 0.9894	MU= 0.9894	8.249E-05
4.154E-06	5.302E-06	7.035E-06	9.704E-06	1.380E-05	1.976E-05	2.735E-05	3.440E-05	3.440E-05	3.440E-05
8.506E-06	1.081E-05	1.424E-05	1.950E-05	2.750E-05	3.920E-05	5.693E-05	6.693E-05	6.693E-05	6.693E-05
5.00E 00---6.50E 00	9.826E-05	1.244E-04	1.615E-04	2.173E-04	3.077E-04	4.651E-04	7.873E-04	1.987E-03	2.179E-03
4.00E 00---5.00E 00	3.585E-05	4.877E-05	6.382E-05	8.648E-05	1.344E-04	2.475E-04	5.312E-04	1.540E-03	1.091E-03
3.00E 00---4.00E 00	5.226E-05	6.831E-05	8.770E-05	1.179E-04	1.790E-04	3.017E-04	5.667E-04	1.113E-03	1.264E-03
2.50E 00---3.00E 00	4.450E-05	6.056E-05	8.349E-05	1.150E-04	2.167E-04	4.222E-04	8.914E-04	2.299E-03	1.628E-03
2.00E 00---2.50E 00	6.078E-05	8.205E-05	1.132E-04	1.730E-04	3.039E-04	5.010E-04	5.934E-03	2.934E-03	2.028E-03
1.66E 00---2.00E 00	5.199E-05	7.161E-05	1.083E-04	1.848E-04	3.421E-04	6.480E-04	1.220E-03	2.352E-03	2.121E-03
1.33E 00---1.66E 00	6.152E-05	8.720E-05	1.472E-04	2.467E-04	4.788E-04	8.193E-04	2.214E-03	4.548E-03	2.548E-03
1.00E 00---1.33E 00	7.107E-05	1.174E-04	2.277E-04	4.001E-04	6.572E-04	9.770E-04	1.339E-03	1.729E-03	2.953E-03
8.00E-01---1.00E 00	1.301E-04	2.263E-04	3.664E-04	6.096E-04	8.708E-04	1.127E-03	1.335E-03	1.475E-03	3.826E-03
6.00E-01---8.00E-01	2.826E-04	4.480E-04	6.463E-04	8.548E-04	1.051E-03	1.218E-03	1.434E-03	1.913E-03	5.193E-03
4.00E-01---6.00E-01	9.155E-04	1.118E-03	1.296E-03	1.443E-03	1.575E-03	1.724E-03	1.906E-03	2.075E-03	2.117E-02
3.00E-01---4.00E-01	1.375E-03	1.453E-03	1.547E-03	1.682E-03	1.852E-03	2.022E-03	2.150E-03	2.215E-03	1.590E-02
2.00E-01---3.00E-01	2.180E-03	2.288E-03	2.425E-03	2.581E-03	2.744E-03	2.908E-03	3.057E-03	3.164E-03	2.894E-02
1.00E-01---2.00E-01	7.182E-03	7.610E-03	8.080E-03	8.576E-03	9.073E-03	9.534E-03	9.911E-03	1.015E-02	9.118E-02
5.00E-02---1.00E-01	2.121E-02	2.218E-02	2.323E-02	2.429E-02	2.531E-02	2.633E-02	2.738E-02	2.695E-02	2.669E-01
2.00E-02---5.00E-02	5.799E-03	5.909E-03	6.022E-03	6.131E-03	6.231E-03	6.316E-03	6.417E-03	7.266E-02	

4 PI R**2 FLUENCE AT 1500.0 METERS

4.065 TO 6.36 MEV NEUTRON SOURCE

(GAMMAS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
8.00E 00---1.00E 01	MU=-0.9894 6.786E-07	MU=-0.9446 6.861E-07	MU=-0.8656 7.155E-07	MU=-0.7550 7.641E-07	MU=-0.6179 8.264E-07	MU=-0.4586 9.051E-07	MU=-0.2816 1.04E-06	MU=-0.0950 1.178E-06	MU=-0.429E-06 2.927E-06
6.50E 00---8.00E 00	1.370E-06	1.301E-06	1.470E-06	1.523E-06	1.728E-06	1.882E-06	2.414E-06	2.489E-06	2.718E-05
5.00E 00---6.50E 00	1.524E-05	1.560E-05	1.689E-05	1.875E-05	2.044E-05	2.196E-05	2.386E-05	2.394E-05	2.718E-05
4.00E 00---5.00E 00	1.033E-06	1.682E-06	3.806E-06	6.359E-06	7.715E-06	7.505E-06	6.631E-06	7.116E-06	1.008E-05
3.00E 00---4.00E 00	4.179E-06	4.847E-06	7.131E-06	9.886E-06	1.136E-05	1.136E-05	1.102E-05	1.227E-05	1.639E-05
2.50E 00---3.00E 00	1.269E-06	1.796E-06	3.622E-06	5.666E-06	6.572E-06	6.408E-06	6.123E-06	7.621E-06	1.099E-05
2.00E 00---2.50E 00	4.351E-06	4.680E-06	5.800E-06	7.105E-06	7.815E-06	8.092E-06	8.767E-06	1.098E-05	1.528E-05
1.66E 00---2.00E 00	6.559E-06	6.379E-06	5.654E-06	4.865E-06	4.923E-06	5.960E-06	8.294E-06	1.141E-05	1.498E-05
1.33E 00---1.66E 00	1.212E-05	1.118E-05	8.020E-06	4.673E-06	4.123E-06	6.973E-06	1.189E-05	1.633E-05	1.924E-05
1.00E 00---1.33E 00	1.313E-05	1.188E-05	7.878E-06	3.899E-06	4.037E-06	8.304E-06	1.448E-05	1.933E-05	2.311E-05
8.00E-01---1.00E 00	6.937E-06	7.008E-06	7.503E-06	8.978E-06	1.164E-05	1.505E-05	1.889E-05	2.475E-05	3.780E-05
6.00E-01---8.00E-01	4.814E-08	2.321E-06	9.839E-06	1.855E-05	2.434E-05	3.019E-05	4.674E-05	8.547E-05	1.547E-05
4.00E-01---6.00E-01	1.066E-04	-0.073E-04	1.106E-04	1.182E-04	1.332E-04	1.615E-04	2.092E-04	2.800E-04	3.708E-04
3.00E-01---4.00E-01	1.734E-04	1.771E-04	1.948E-04	2.355E-04	3.004E-04	3.893E-04	4.866E-04	5.747E-04	6.392E-04
2.00E-01---3.00E-01	1.039E-03	1.041E-03	1.047E-03	1.053E-03	1.052E-03	1.044E-03	1.034E-03	1.029E-03	1.040E-03
1.00E-01---2.00E-01	2.739E-03	2.745E-03	2.771E-03	2.817E-03	2.883E-03	2.970E-03	3.079E-03	3.369E-03	3.696E-03
5.00E-02---1.00E-01	8.499E-03	8.513E-03	8.575E-03	8.630E-03	8.855E-03	9.073E-03	9.455E-03	9.671E-03	1.005E-02
2.00E-02---5.00E-02	2.615E-03	2.617E-03	2.625E-03	2.640E-03	2.662E-03	2.690E-03	2.725E-03	2.765E-03	2.811E-03
ANGLE 11	MU= 0.0950	MU= 0.2816	MU= 0.4580	MU= 0.6179	MU= 0.7550	MU= 0.8856	MU= 0.9446	MU= 0.9894	SCALAR FLUX
8.00E 00---1.00E 01	1.811E-06	2.401E-06	3.845E-06	7.849E-06	1.548E-06	2.488E-05	2.812E-05	4.608E-05	4.608E-05
6.50E 00---8.00E 00	3.710E-06	4.892E-06	6.763E-06	9.931E-06	1.842E-06	3.875E-05	5.352E-05	9.210E-05	9.210E-05
5.00E 00---6.50E 00	4.187E-05	5.473E-05	7.368E-05	1.055E-04	1.598E-04	2.635E-04	4.113E-04	1.153E-03	1.106E-03
4.00E 00---5.00E 00	1.232E-05	3.121E-05	2.174E-05	2.882E-05	4.676E-05	6.949E-05	1.044E-04	3.033E-04	8.474E-04
3.00E 00---4.00E 00	1.667E-05	2.369E-05	3.383E-05	5.862E-05	9.840E-05	1.852E-04	3.504E-04	6.766E-04	6.783E-04
2.50E 00---3.00E 00	1.039E-05	2.155E-05	3.018E-05	4.488E-05	7.623E-05	1.451E-04	2.168E-04	4.505E-04	7.483E-04
2.00E 00---2.50E 00	1.666E-05	2.000E 00	1.977E-05	2.893E-05	4.951E-05	1.793E-04	3.266E-04	5.917E-04	9.623E-04
1.33E 00---1.66E 00	2.357E-05	3.717E-05	7.146E-05	1.335E-04	2.486E-04	4.106E-04	6.326E-04	1.001E-03	1.200E-03
1.00E 00---1.33E 00	3.253E-05	5.997E-05	1.185E-04	2.144E-04	3.424E-04	4.875E-04	6.325E-04	7.658E-04	1.456E-03
8.00E-01---1.00E 00	6.681E-05	1.214E-04	2.065E-04	3.178E-04	4.390E-04	5.471E-04	6.227E-04	6.625E-04	8.91E-04
6.00E-01---8.00E-01	1.504E-04	2.372E-04	3.349E-04	4.303E-04	5.133E-04	5.793E-04	6.274E-04	6.572E-04	8.564E-04
4.00E-01---6.00E-01	4.712E-04	5.670F-04	6.468E-04	7.056E-04	7.657E-04	8.303E-04	9.075E-04	9.767E-04	5.577E-03
3.00E-01---4.00E-01	6.804E-04	7.123E-04	7.541E-04	8.168E-04	8.945E-04	9.679E-04	1.018E-03	1.040E-03	1.200E-03
2.00E-01---3.00E-01	1.070E-03	1.119E-03	1.182E-03	1.251E-03	1.322E-03	1.393E-03	1.455E-03	1.498E-03	1.422E-02
1.00E-01---2.00E-01	3.556E-03	3.752E-03	4.202E-03	4.428E-03	4.634E-03	4.798E-03	4.899E-03	4.991E-03	4.991E-02
5.00E-02---1.00E-01	1.047E-02	1.094E-02	1.143E-02	1.192E-02	1.239E-02	1.281E-02	1.313E-02	1.332E-02	1.316E-01
2.00E-02---5.00E-02	2.866E-03	2.913E-03	2.965E-03	3.016E-03	3.063E-03	3.102E-03	3.132E-03	3.149E-03	3.533E-02

4 PI R**2 FLUENCE AT 1000.0 METERS

4.065 TO 6.36 MEV NEUTRON SOURCE

(GAMMAS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=1.0000	ANGLE 2 MU=-0.9894	ANGLE 3 MU=-0.9646	ANGLE 4 MU=-0.8656	ANGLE 5 MU=-0.6179	ANGLE 6 MU=-0.4580	ANGLE 7 MU=-0.2816	ANGLE 8 MU=-0.0950	ANGLE 9 MU=-0.02816
8.00E 00----1.00E 01	2.249E-07	2.294E-07	2.461E-07	2.709E-07	2.961E-07	3.224E-07	3.580E-07	4.174E-07	5.172E-07
6.50E 00----8.00E 00	4.338E-07	4.481E-07	4.993E-07	5.695E-07	6.281E-07	6.744E-07	7.325E-07	8.466E-07	1.055E-06
5.00E 00----6.50E 00	4.824E-06	5.021E-06	5.20E-06	5.644E-06	6.339E-06	7.776E-06	8.271E-06	9.422E-06	1.175E-05
4.00E 00----5.00E 00	-6.094E-07	-1.918E-07	9.288E-07	2.499E-06	3.049E-06	2.728E-06	2.016E-06	2.015E-06	3.432E-06
3.00E 00----4.00E 00	5.330E-07	9.289E-07	2.218E-06	3.711E-06	4.393E-06	4.110E-06	3.571E-06	3.95E-06	5.886E-06
2.50E 00----3.00E 00	-2.796E-07	-1.396E-08	8.553E-06	1.904E-06	2.247E-06	1.747E-06	1.665E-06	2.022E-06	3.686E-06
2.00E 00----2.50E 00	1.403E-06	1.488E-06	1.769E-06	2.065E-06	2.190E-06	2.267E-06	2.606E-06	3.532E-06	5.100E-06
1.66E 00----2.00E 00	3.164E-06	2.924E-06	2.100E-06	1.188E-06	9.671E-07	1.648E-06	2.990E-06	4.366E-06	5.392E-06
1.33E 00----1.66E 00	5.545E-06	4.95E-06	2.796E-06	8.116E-07	6.007E-07	1.75E-06	4.500E-06	6.315E-06	6.786E-06
1.00E 00----1.33E 00	5.415E-06	4.803E-06	2.652E-06	8.490E-07	1.065E-06	2.895E-06	5.597E-06	7.407E-06	8.706E-06
8.00E-01----1.00E 00	1.286E-06	1.453E-06	2.125E-06	3.262E-06	4.538E-06	5.645E-06	6.709E-06	9.160E-06	1.617E-05
6.00E-01----8.00E-01	-2.268E-06	-1.029E-06	2.694E-06	7.551E-06	9.535E-06	1.001E-05	1.57E-05	2.049E-05	4.148E-05
4.00E-01----6.00E-01	4.810E-05	4.828E-05	4.932E-05	5.243E-05	5.991E-05	7.486E-05	1.002E-05	1.369E-04	1.823E-04
3.00E-01----4.00E-01	7.608E-05	7.830E-05	8.870E-05	1.107E-04	1.457E-04	1.709E-04	2.386E-04	2.795E-04	3.072E-04
2.00E-01----3.00E-01	5.106E-04	5.112E-04	5.128E-04	5.128E-04	5.091E-04	5.166E-04	4.928E-04	4.903E-04	4.903E-04
1.300E-03	1.300E-03	1.316E-03	1.316E-03	1.316E-03	1.369E-03	1.411E-03	1.462E-03	1.549E-03	1.549E-03
5.00E-02----2.00E-01	4.037E-03	4.042E-03	4.073E-03	4.126E-03	4.206E-03	4.306E-03	4.433E-03	4.585E-03	4.760E-03
2.00E-02----5.00E-02	1.239E-03	1.240E-03	1.243E-03	1.250E-03	1.261E-03	1.274E-03	1.290E-03	1.308E-03	1.329E-03
ENERGY GROUP (MEV)	ANGLE 10 MU= 0.0950	ANGLE 11 MU= 0.2816	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9894	SCALAR FLUX
8.00E 00----1.00E 01	6.759E-07	9.262E-07	1.353E-06	2.711E-06	4.239E-06	7.343E-06	1.352E-05	2.422E-05	2.024E-05
6.50E 00----8.00E 00	1.390E-06	1.893E-06	2.084E-05	2.879E-05	4.283E-05	7.142E-05	1.315E-04	2.580E-04	3.742E-05
5.00E 00----6.50E 00	1.549E-05	2.084E-05	2.875E-05	1.137E-05	1.643E-05	3.194E-05	1.721E-04	6.371E-04	5.111E-04
4.00E 00----5.00E 00	6.009E-06	8.764E-06	1.245E-05	1.638E-05	4.711E-05	9.712E-05	2.027E-04	3.845E-04	3.329E-04
3.00E 00----4.00E 00	9.022E-06	1.245E-05	1.638E-05	2.340E-05	5.070E-05	1.112E-04	2.301E-04	4.932E-04	3.468E-04
2.50E 00----3.00E 00	6.055E-06	8.695E-06	1.286E-05	3.369E-05	7.018E-05	1.423E-04	2.735E-04	5.366E-04	4.281E-04
2.00E 00----2.50E 00	7.228E-06	1.045E-05	1.727E-05	2.170E-05	4.619E-05	9.195E-05	1.680E-04	4.585E-04	4.677E-04
1.66E 00----2.00E 00	6.699E-06	1.066E-05	1.490E-05	3.369E-05	6.956E-05	1.263E-04	2.025E-04	2.972E-04	4.105E-04
1.33E 00----1.66E 00	8.059E-06	1.490E-05	2.875E-05	6.029E-05	1.099E-04	1.721E-04	2.363E-04	3.351E-04	5.593E-04
1.00E 00----1.33E 00	1.362E-05	2.875E-05	3.227E-05	1.052E-04	1.591E-04	2.138E-04	2.511E-04	3.933E-04	6.948E-04
8.00E-01----1.00E 00	7.581E-05	1.198E-04	1.665E-04	2.088E-04	2.426E-04	2.677E-04	2.856E-04	2.966E-04	1.221E-03
6.00E-01----8.00E-01	7.581E-05	1.198E-04	3.085E-04	3.340E-04	3.567E-04	3.892E-04	4.176E-04	4.467E-04	2.636E-03
4.00E-01----6.00E-01	2.305E-04	2.742E-04	3.349E-04	3.525E-04	3.808E-04	4.157E-04	4.665E-04	4.735E-04	5.705E-03
3.00E-01----4.00E-01	5.032E-04	5.250E-04	5.526E-04	5.826E-04	6.133E-04	6.434E-04	6.703E-04	6.886E-04	6.712E-03
2.00E-01----3.00E-01	1.681E-03	1.774E-03	1.874E-03	1.978E-03	2.079E-03	2.170E-03	2.242E-03	2.285E-03	2.122E-02
1.00E-01----2.00E-01	4.956E-03	5.169E-03	5.393E-03	5.617E-03	5.829E-03	6.014E-03	6.157E-03	6.244E-03	6.220E-02
2.00E-02----5.00E-02	1.352E-03	1.376E-03	1.400E-03	1.424E-03	1.445E-03	1.462E-03	1.475E-03	1.483E-03	1.493E-02

4 PI R**2 HENDERSON DOSE (NEUTRONS)
(C**2 RAD/SERADIAN SOURCE NEUTRON)

4.065 TO 6.360 MEV NEUTRON SOURCE

COSINE	75.0	100.0	150.0	RANGE (METERS)	250.0	300.0	400.0
				200.0			
-1.0000E 00							
-9.89401E-01	9.693E-11	1.143E-11	1.378E-10	1.502E-10	1.542E-10	1.524E-10	1.383E-10
-9.44575E-01	9.705E-11	1.144E-10	1.30E-10	1.504E-10	1.544E-10	1.527E-10	1.385E-10
-8.65631E-01	9.753E-11	1.153E-10	1.387E-10	1.522E-10	1.573E-10	1.537E-10	1.396E-10
-7.55044E-01	9.852E-11	1.162E-11	1.402E-10	1.530E-10	1.573E-10	1.557E-10	1.417E-10
-6.17876E-01	1.001E-10	1.181E-11	1.426E-10	1.558E-10	1.603E-10	1.590E-10	1.450E-10
-4.58017E-01	1.027E-10	1.212E-10	1.464E-10	1.601E-10	1.651E-10	1.640E-10	1.501E-10
-2.81605E-01	1.066E-10	1.259E-11	1.522E-10	1.669E-10	1.724E-10	1.715E-10	1.574E-10
-9.50125E-02	1.126E-10	1.332E-11	1.611E-10	1.769E-10	1.831E-10	1.825E-10	1.690E-10
9.50125E-02	1.213E-10	1.437E-11	1.740E-10	1.915E-10	1.985E-10	1.981E-10	1.822E-10
2.81605E-01	1.380E-10	1.938E-11	2.710E-10	2.240E-10	2.332E-10	2.037E-10	2.171E-10
4.58017E-01	1.456E-10	2.134E-11	2.282E-10	2.322E-10	2.414E-10	2.327E-10	2.546E-10
6.17876E-01	2.188E-10	2.201E-10	2.631E-10	2.992E-10	3.106E-10	2.988E-10	2.773E-10
7.55044E-01	2.953E-10	4.375E-10	4.494E-10	3.637E-10	3.752E-10	3.823E-10	3.470E-10
8.65631E-01	4.494E-09	7.423E-11	7.853E-10	5.230E-10	5.332E-10	5.169E-10	4.644E-10
9.44575E-01	9.78E-09	2.488E-09	1.867E-09	1.662E-09	1.525E-09	1.390E-09	1.125E-09
9.89401E-01	1.316E-08	1.334E-08	1.183E-08	9.816E-09	7.963E-09	6.426E-09	4.143E-09
TOTAL	5.866E-09	5.822E-09	5.632E-09	5.468E-09	5.18CE-09	4.823E-09	4.040E-09

COSINE	500.0	600.0	RANGE (METERS)	900.0	1000.0	1200.0	1500.0	1800.0
			200.0					
-1.0000E 00								
-9.89401E-01	1.174E-10	9.523E-11	4.241E-11	1.580E-11	5.241E-12	1.603E-12		
-9.44575E-01	1.176E-10	9.544E-11	4.251E-11	1.584E-11	5.257E-12	1.607E-12		
-8.65631E-01	1.186E-10	9.632E-11	3.98E-11	1.603E-11	5.321E-12	1.628E-12		
-7.55044E-01	1.209E-10	9.807E-11	4.387E-11	1.639E-11	5.445E-12	1.666E-12		
-6.17876E-01	1.237E-10	1.008E-10	4.524E-11	1.693E-11	5.631E-12	1.724E-12		
-4.58017E-01	1.283E-10	1.047E-10	4.720E-11	1.770E-11	5.894E-12	1.806E-12		
-2.81605E-01	1.350E-10	1.104E-10	4.991E-11	1.875E-11	6.248E-12	1.915E-12		
-9.50125E-02	1.443E-10	1.182E-10	5.360E-11	2.015E-11	6.717E-12	2.059E-12		
9.50125E-02	1.573E-10	1.289E-10	5.853E-11	2.200E-11	7.330E-12	2.246E-12		
2.81605E-01	1.752E-10	1.436E-10	6.513E-11	2.444E-11	8.129E-12	2.487E-12		
4.58017E-01	2.004E-10	1.641E-10	7.410E-11	2.769E-11	9.18CE-12	2.801E-12		
6.17876E-01	2.376E-10	1.938E-10	8.660E-11	3.211E-11	1.058E-11	3.214E-12		
7.55044E-01	2.950E-10	2.387E-11	1.046E-10	3.826E-11	1.249E-11	3.767E-12		
8.65631E-01	3.884E-10	3.099E-11	1.315E-10	4.707E-11	1.513E-11	4.516E-12		
9.44575E-01	8.70E-10	6.571E-11	2.451E-10	8.071E-11	2.454E-11	7.043E-12		
9.89401E-01	2.668E-09	1.722E-09	4.703E-10	1.297E-10	3.553E-11	9.562E-12		
TOTAL	3.251E-09	2.536E-09	1.050E-09	3.754E-10	1.213E-10	3.640E-11		

4 PLR**2 SNYDER-NEUFFELD DOSE (NEUTRONS)
(C**2 RAD/STERADIAN/SOURCE NEUTRON)

4.065 TO 6.360 MEV NEUTRON SOURCE

COSINE	75.0	100.0	150.0	RANGE (METERS)	200.0	250.0	300.0	400.0
-1.00000E+00	1.267E-10	1.516E-10	1.882E-10	2.108E-10	2.224E-10	2.257E-10	2.154E-10	2.154E-10
-9.89401E-01	1.268E-10	1.518E-10	1.885E-10	2.111E-10	2.227E-10	2.261E-10	2.158E-10	2.158E-10
-9.44575E-01	1.276E-10	1.527E-10	1.896E-10	2.125E-10	2.242E-10	2.277E-10	2.175E-10	2.175E-10
-8.65631E-01	1.290E-10	1.545E-10	1.918E-10	2.151E-10	2.271E-10	2.308E-10	2.207E-10	2.207E-10
-7.55044E-01	1.314E-10	1.572E-10	1.953E-10	2.191E-10	2.317E-10	2.357E-10	2.258E-10	2.258E-10
-6.17876E-01	1.349E-10	1.615E-10	2.006E-10	2.254E-10	2.365E-10	2.430E-10	2.333E-10	2.333E-10
-4.58017E-01	1.403E-10	1.680E-10	2.08E-10	2.348E-10	2.488E-10	2.537E-10	2.440E-10	2.440E-10
-2.81605E-01	1.483E-10	1.778E-10	2.208E-10	2.487E-10	2.637E-10	2.692E-10	2.592E-10	2.592E-10
-9.56125E-02	1.599E-10	1.918E-10	2.381E-10	2.684E-10	2.849E-10	2.908E-10	2.801E-10	2.801E-10
9.50125E-02	1.817E-10	2.562E-10	3.555E-10	3.125E-10	3.170E-10	3.170E-10	3.092E-10	3.092E-10
2.81605E-01	1.918E-10	2.813E-10	3.90E-10	3.239E-10	3.434E-10	3.672E-10	3.490E-10	3.490E-10
4.58017E-01	2.842E-10	2.922E-10	3.564E-10	4.108E-10	4.340E-10	4.266E-10	4.094E-10	4.094E-10
6.17876E-01	3.358E-10	3.898E-10	4.670E-10	4.962E-10	5.203E-10	5.372E-10	5.028E-10	5.028E-10
7.55044E-01	5.966E-10	5.764E-10	6.380E-10	7.049E-10	7.277E-10	7.153E-10	6.593E-10	6.593E-10
8.65631E-01	1.390E-C9	9.840E-10	1.44CE-C9	1.081E-09	1.082E-09	1.060E-09	9.382E-10	9.382E-10
9.44575E-01	3.960E-C9	3.309E-C9	2.482E-C9	2.213E-C9	2.038E-09	1.869E-09	1.535E-09	1.535E-09
9.89401E-01	1.763E-C8	1.784E-C8	1.581E-C8	1.312E-08	1.065E-08	8.605E-08	5.571E-09	5.571E-09
TOTAL	7.797E-09	7.748E-09	7.564E-C9	7.434E-09	7.142E-09	6.753E-09	5.845E-09	5.845E-09
COSINE	500.0	600.0	900.0	RANGE (METERS)	1200.0	1500.0	1800.0	
-1.00000E+00	1.917E-10	1.624E-10	8.054E-11	3.250E-11	1.144E-11	3.655E-12	3.655E-12	
-9.89401E-01	1.921E-10	1.627E-10	8.073E-11	3.258E-11	1.147E-11	3.664E-12	3.664E-12	
-9.44575E-01	1.937E-10	1.649E-10	8.151E-11	3.291E-11	1.158E-11	3.702E-12	3.702E-12	
-8.65631E-01	1.968E-10	1.669E-10	8.361E-11	3.353E-11	1.181E-11	3.773E-12	3.773E-12	
-7.55044E-01	2.016E-10	1.712E-10	8.527E-11	3.447E-11	1.214E-11	3.879E-12	3.879E-12	
-6.17876E-01	2.086E-10	1.777E-10	8.848E-11	3.578E-11	1.262E-11	4.026E-12	4.026E-12	
-4.58017E-01	2.185E-10	1.850E-10	9.282E-11	3.752E-11	1.321E-11	4.218E-12	4.218E-12	
-2.81605E-01	2.322E-10	1.976E-10	9.859E-11	3.981E-11	1.404E-11	4.467E-12	4.467E-12	
-9.50125E-02	2.509E-10	2.133E-10	1.062E-10	4.276E-11	1.500E-11	4.781E-12	4.781E-12	
9.50125E-02	2.762E-10	2.345E-10	1.161E-10	4.657E-11	1.629E-11	5.177E-12	5.177E-12	
2.81605E-01	3.114E-10	2.633E-10	1.293E-10	5.152E-11	1.793E-11	5.679E-12	5.679E-12	
4.58017E-C1	3.624E-10	3.046E-10	1.473E-10	5.808E-11	2.006E-11	6.320E-12	6.320E-12	
6.17876E-01	4.402E-10	3.663E-10	1.729E-10	6.699E-11	2.288E-11	7.152E-12	7.152E-12	
7.55044E-01	5.655E-10	4.626E-10	2.100E-10	7.944E-11	2.669E-11	8.248E-12	8.248E-12	
8.65631E-01	7.811E-10	6.229E-10	2.673E-10	9.754E-11	3.201E-11	9.730E-12	9.730E-12	
9.44575E-01	1.212E-09	9.263E-10	3.637E-10	1.2565E-10	3.975E-11	1.179E-11	1.179E-11	
9.89401E-01	3.611E-09	2.351E-09	6.659E-10	1.917E-10	5.465E-11	1.523E-11	1.523E-11	
TOTAL	4.862E-C9	3.918E-C9	1.769E-09	6.772E-10	2.306E-10	7.206E-11		

1 CM**2 TISSUE KERMA (NEUTRONS)
1 CM**2 ERGS/GRAM/STERADIAN/SOURCE NEUTRON

4.665 TO 6.960 MEV NEUTRON SOURCE

COSINE	75.0	100.0	150.0	RANGE (METERS)	250.0	300.0	400.0
-1.0000E+00	9.761E-C9	1.163E-C8	1.398E-08	1.531E-08	1.581E-08	1.572E-C8	1.443E-08
-9.89401E-01	9.774E-C9	1.152E-C8	1.400E-08	1.542E-08	1.593E-08	1.575E-C8	1.446E-08
-9.44575E-01	9.825E-C9	1.161E-C8	1.407E-08	1.542E-08	1.593E-08	1.585E-C8	1.457E-08
-8.65631E-01	9.928E-09	1.173E-C8	1.423E-08	1.561E-08	1.633E-08	1.607E-C8	1.479E-C8
-7.5044E-01	1.009E-C8	1.173E-C8	1.589E-08	1.640E-08	1.640E-08	1.640E-C8	1.513E-08
-6.17876E-01	1.036E-C8	1.225E-C8	1.486E-08	1.634E-08	1.694E-08	1.692E-C8	1.565E-08
-4.58017E-01	1.076E-08	1.233E-C8	1.546E-08	1.733E-08	1.768E-08	1.769E-C8	1.641E-08
-2.81695E-01	1.137E-08	1.347E-C8	1.636E-08	1.825E-08	1.877E-08	1.880E-08	1.748E-C8
-9.50125E-02	1.224E-08	1.455E-C8	1.766E-08	1.953E-08	2.033E-08	2.038E-C8	1.899E-08
9.50125E-02	1.393E-08	1.499E-C8	1.737E-08	2.283E-08	2.383E-08	2.231E-C8	2.112E-08
2.81605E-01	1.470E-C8	2.155E-C8	2.313E-C8	2.368E-08	2.467E-08	2.610E-08	2.405E-C8
4.58017E-01	2.203E-08	2.255E-C8	2.666E-C8	3.039E-08	3.164E-08	3.056E-C8	2.856E-08
6.17876E-01	2.569E-08	2.936E-C8	3.535E-C8	3.689E-08	3.817E-08	3.898E-08	3.560E-C8
7.55044E-01	4.544E-C8	4.424E-C8	4.837E-C8	5.297E-08	5.11E-08	5.25E-08	4.747E-08
8.65631E-01	7.659E-C7	7.939E-C8	8.189E-08	8.189E-08	8.222E-08	8.298E-C8	6.871E-08
9.44575E-01	3.021E-C7	2.522E-C7	1.891E-07	1.683E-07	1.544E-07	1.409E-07	1.143E-C7
9.89401E-01	1.336E-06	1.354E-06	1.200E-06	9.958E-C7	8.077E-07	6.517E-C7	4.203E-07
TOTAL	5.942E-07	5.895E-C7	5.707E-07	5.553E-07	5.212E-07	4.922E-C7	4.149E-07

COSINE	500.0	600.0	RANGE (METERS)	900.0	1200.0	1500.0	1800.0
-1.0000E+00	1.239E-08	1.016E-08	4.654E-09	1.771E-09	5.97CE-10	1.847E-10	1.847E-10
-9.89401E-01	1.242E-08	1.018E-08	4.666E-09	1.776E-09	5.986E-10	1.852E-10	1.852E-10
-9.44575E-01	1.252E-08	1.028E-08	4.715E-09	1.796E-09	6.057E-10	1.875E-10	1.875E-10
-8.65631E-01	1.273E-08	1.046E-C8	4.811E-09	1.835E-09	6.192E-10	1.917E-10	1.917E-10
-7.55044E-01	1.305E-08	1.074E-C8	4.956E-09	1.893E-09	6.494E-10	1.981E-10	1.981E-10
-6.17876E-01	1.353E-08	1.116E-C8	5.163E-09	1.976E-C9	6.688E-10	2.070E-10	2.070E-10
-4.58017E-01	1.422E-08	1.174E-C8	5.449E-09	2.087E-09	7.058E-10	2.188E-10	2.188E-10
-2.81605E-01	1.605E-08	1.253E-08	5.833E-09	2.235E-09	7.559E-10	2.343E-10	2.343E-10
-9.50125E-02	1.650E-08	1.345E-C8	6.346E-09	2.430E-09	8.209E-10	2.542E-10	2.542E-10
9.50125E-02	1.832E-C8	1.515E-C8	7.028E-C9	2.685E-09	9.056E-10	2.798E-10	2.798E-10
2.81605E-01	2.089E-C8	1.744E-C8	7.950E-C9	3.022E-09	1.015E-09	3.128E-10	3.128E-10
4.58017E-01	2.465E-C8	2.025E-C8	9.229E-09	3.476E-09	1.160E-09	3.558E-10	3.558E-10
6.17876E-01	3.046E-08	2.480E-C8	1.106E-08	4.107E-09	1.556E-09	4.129E-10	4.129E-10
7.55044E-01	3.989E-08	3.011E-C8	1.380E-08	5.044E-09	1.627E-09	4.899E-10	4.899E-10
8.65631E-01	5.624E-08	4.410E-C8	1.805E-08	6.330E-09	2.011E-09	5.961E-10	5.961E-10
9.44575E-01	8.899E-C8	6.711E-C8	2.529E-08	8.415E-09	2.582E-09	7.469E-10	7.469E-10
9.89401E-01	2.709E-C7	1.750E-C7	4.810E-08	1.338E-08	3.695E-09	1.002E-09	1.002E-09
TOTAL	3.362E-07	2.642E-C7	1.117E-07	4.061E-08	1.330E-08	4.034E-C9	4.034E-C9

4 PI R**2 MID-PHANTOM DOSE (NEUTRONS)
(CM**2 RAD/STERADIANSOURCE NEUTRON)

4.065 TO 6.366 MEV NEUTRON SOURCE

COSINE	75.C	100.C	150.0	RANGE (METERS)	200.C	300.C	400.C
-1.00000E+00	4.077E-11	4.671E-11	5.378E-11	5.645E-11	5.617E-11	5.412E-11	4.725E-11
-9.89401E-01	4.085E-11	4.681E-11	5.389E-11	5.657E-11	5.629E-11	5.423E-11	4.735E-11
-9.44575E-01	4.119E-11	4.721E-11	5.424E-11	5.704E-11	5.676E-11	5.409E-11	4.776E-11
-8.65631E-01	4.184E-11	4.795E-11	5.517E-11	5.792E-11	5.765E-11	5.557E-11	4.856E-11
-7.562044E-01	4.280E-11	4.905E-11	5.641E-11	5.924E-11	5.899E-11	5.689E-11	4.978E-11
-6.17876E-01	4.432E-11	5.68E-11	5.827E-11	6.123E-11	6.101E-11	5.889E-11	5.160E-11
-4.586017E-01	4.634E-11	5.313E-11	6.008E-11	6.424E-11	6.4C8E-11	6.190E-11	5.431E-11
-2.81655E-01	4.945E-11	5.678E-11	6.528E-11	6.874E-11	6.863E-11	6.625E-11	5.827E-11
-9.50125E-02	5.389E-11	6.231E-11	7.133E-11	7.524E-11	7.521E-11	7.274E-11	6.391E-11
9.50125E-02	6.199E-11	8.715E-11	7.087E-11	8.950E-11	9.001E-11	8.055E-11	7.209E-11
2.81605E-01	6.610E-11	9.679E-11	9.662E-11	9.397E-11	9.388E-11	9.646E-11	8.369E-11
4.58617E-01	1.020E-10	9.937E-11	1.126E-10	1.241E-10	1.246E-10	1.160E-10	1.025E-10
6.17876E-01	1.256E-10	1.388E-10	1.572E-10	1.564E-10	1.561E-10	1.547E-10	1.337E-10
7.556244E-01	2.402E-10	2.186E-10	2.229E-10	2.361E-10	2.339E-10	2.21CE-10	1.896E-10
8.65631E-01	5.899E-10	3.922E-10	2.900E-10	3.866E-10	3.749E-10	3.556E-10	2.954E-10
9.44575E-01	1.718E-09	1.441E-09	1.610E-09	8.679E-10	7.736E-10	6.889E-10	5.351E-10
9.89401E-01	7.859E-09	7.917E-09	6.964E-09	5.729E-09	4.66CCE-09	3.669E-09	2.307E-09
TOTAL	3.223E-09	3.0C8E-09	2.843F-09	2.635E-09	2.395E-09	2.148E-09	1.688E-09

COSINE	500.C	600.C	RANGE (METERS)	900.0	1200.C	1500.C	1800.C
-1.00000E+00	3.918E-11	3.139E-11	1.405E-11	5.405E-12	1.86CE-12	5.876E-13	
-9.89401E-01	3.927E-11	3.146E-11	1.408E-11	5.418E-12	1.864E-12	5.890E-13	
-9.44575E-01	3.962E-11	3.176E-11	1.422E-11	5.472E-12	1.883E-12	5.949E-13	
-8.65631E-01	4.031E-11	3.232E-11	1.449E-11	5.575E-12	1.918E-12	6.059E-13	
-7.556244E-01	4.135E-11	3.319E-11	1.489E-11	5.730E-12	1.971E-12	6.229E-13	
-6.17876E-01	4.292E-11	3.447E-11	1.547E-11	5.951E-12	2.045E-12	6.456E-13	
-4.586017E-01	4.520E-11	3.631E-11	1.629E-11	6.254E-12	2.146E-12	6.764E-13	
-2.81605E-01	4.851E-11	3.895E-11	1.742E-11	6.665E-12	2.28CE-12	7.172E-13	
-9.50125E-02	5.318E-11	4.265E-11	1.896E-11	7.216E-12	2.458E-12	7.705E-13	
9.50125E-02	5.979E-11	4.785E-11	2.110E-11	7.964E-12	2.695E-12	8.406E-13	
2.81605E-01	6.948E-11	5.541E-11	2.413E-11	9.200E-12	3.017E-12	9.344E-13	
4.586017E-01	8.451E-11	6.70CE-11	2.861E-11	1.049E-11	3.471E-12	1.064E-12	
6.17876E-01	1.093E-10	6.582E-11	3.551E-11	1.273E-11	4.132E-12	1.249E-12	
7.556244E-01	1.525E-10	1.178E-10	4.681E-11	1.62CE-11	5.126E-12	1.521E-12	
8.65631E-01	2.320E-10	1.753E-10	6.578E-11	2.178E-11	6.67CE-12	1.931E-12	
9.44575E-01	4.011E-10	2.920E-10	1.CC7E-10	3.136E-11	9.181E-12	2.570E-12	
9.89401E-01	1.446E-09	9.66CE-10	2.261E-10	5.757E-11	1.480E-11	3.802E-12	
TOTAL	1.291E-09	9.679E-09	3.733E-10	1.3C1E-10	4.185E-11	1.263E-11	

4⁴ PI R**2 CONCRETE KERMA (NEUTRONS)
(CM**2 ERGS/GRAM/SERADIANSOURCE NEUTRON)

4.065 TO 6.360 MEV NEUTRON SOURCE

COSINE	75.0	100.0	150.0	RANGE (METERS)	200.0	250.0	300.0	400.0
-1.00000E 00	1.303E-05	1.524E-C9	1.817E-09	1.966E-C9	2.008E-09	1.979E-C9	1.789E-09	
-9.89401E-01	1.305E-C9	1.819E-09	1.978E-09	2.011E-09	2.015E-09	1.982E-C9	1.792E-09	
-9.44575E-01	1.310E-C9	1.828E-09	1.978E-09	2.022E-09	1.994E-09	1.805E-09	1.805E-09	
-8.65631E-01	1.321E-C9	1.845E-09	1.999E-09	2.045E-09	2.019E-09	1.831E-09	1.831E-09	
-7.55044E-01	1.340E-C9	1.873E-09	2.048E-09	2.082E-09	2.059E-09	1.872E-09	1.872E-09	
-6.17876E-01	1.371E-C9	1.920E-09	2.086E-09	2.142E-09	2.121E-09	1.935E-09	1.935E-09	
-4.58017E-01	1.421E-09	1.666E-09	1.994E-09	2.171E-09	2.233E-09	2.215E-09	2.027E-09	
-2.81605E-01	1.498E-C9	1.759E-09	2.101E-09	2.299E-09	2.369E-09	2.354E-09	2.160E-09	
-9.50125E-02	1.611E-C9	1.896E-09	2.273E-09	2.486E-09	2.566E-09	2.553E-09	2.348E-09	
9.50125E-02	1.829E-C9	2.572E-09	2.230E-09	2.910E-09	3.016E-09	2.794E-09	2.615E-09	
2.81605E-01	1.934E-C9	2.844E-09	2.991E-09	3.017E-09	3.116E-09	3.280E-09	2.986E-09	
4.58017E-01	2.893E-C9	3.422E-09	3.892E-09	4.022E-09	3.895E-09	3.561E-09		
6.17876E-01	3.363E-C9	3.93CE-09	4.616E-09	4.740E-09	4.867E-09	4.443E-09	4.463E-09	
7.55044E-01	5.922E-C9	5.790E-C9	6.270E-09	6.843E-09	6.945E-09	6.705E-C9	5.992E-09	
8.65631E-01	9.379E-C8	9.785E-09	1.038E-08	1.063E-08	1.048E-08	1.014E-08	8.735E-09	
9.44575E-01	3.920E-C8	3.277E-08	4.457E-08	2.186E-08	2.000E-08	1.817E-C8	1.463E-08	
9.85401E-01	1.724E-07	1.748E-07	1.551E-07	1.287E-07	1.044E-07	8.155E-08	5.413E-08	
TOTAL	7.733E-08	7.669E-C8	7.389E-08	7.150E-08	6.749E-08	6.263E-C8	5.221E-08	
COSINE	500.0	600.0	RANGE (METERS)	900.0	1200.0	1500.0	1800.0	
-1.00000E 00	1.518E-C9	1.233E-09	5.521E-10	2.070E-10	6.906E-11	2.121E-11		
-9.89401E-01	1.521E-C9	1.235E-09	5.535E-10	2.076E-10	6.926E-11	2.127E-11		
-9.44575E-01	1.534E-C9	1.246E-09	5.593E-10	2.100E-10	7.009E-11	2.153E-11		
-8.65631E-01	1.558E-C9	1.268E-09	5.606E-10	2.145E-10	7.166E-11	2.203E-11		
-7.55044E-01	1.597E-C9	1.302E-09	5.878E-10	2.214E-10	7.404E-11	2.277E-11		
-6.17876E-01	1.654E-C9	1.351E-09	6.126E-10	2.312E-10	7.74CE-11	2.382E-11		
-4.58017E-C1	1.738E-09	1.422E-C9	6.469E-10	2.445E-10	8.191E-11	2.522E-11		
-2.81605E-01	1.855E-09	1.521E-09	6.934E-10	2.623E-10	8.789E-11	2.765E-11		
-9.30125E-02	2.019E-C9	1.656E-09	7.557E-10	2.857E-10	9.568E-11	2.933E-11		
9.30125E-02	2.246E-C9	1.842E-09	8.392E-10	3.166E-10	1.058E-10	3.250E-11		
2.81605E-01	2.568E-C9	2.103E-09	9.526E-10	3.577E-10	1.191E-10	3.648E-11		
4.58017E-01	3.044E-C9	2.482E-C9	1.111E-09	4.135E-10	1.368E-10	4.171E-11		
6.17876E-01	3.784E-C9	3.058E-09	1.340E-09	4.913E-10	1.606E-10	4.855E-11		
7.55044E-01	4.992E-C9	3.974E-09	1.682E-C9	6.026E-10	1.941E-10	5.055E-11		
8.65631E-01	7.091E-09	5.518E-09	2.218E-09	7.676E-10	2.415E-10	7.104E-11		
9.44575E-01	1.131E-C8	8.466E-09	3.133E-09	1.028E-09	3.120E-10	8.92E-11		
9.85401E-C1	3.475E-08	2.235E-C8	6.042E-09	1.654E-09	4.507E-10	1.209E-10		
TOTAL	4.189E-C8	3.263E-C8	1.350E-08	4.841E-09	1.569E-09	4.725E-10		

(CH₄*#2 ERGS/GRAM/STERADIAN/SOURCE NEUTRON)

4.C65 TO 6.360 MEV NEUTRON SOURCE

COSINE	75.0	100.0	150.0	RANGE (METERS)	250.0	300.0	400.0
				200.0			
-1.00000E+00	2.199E-C9	2.488E-C9	2.808E-09	2.9C1E-C9	2.847E-09	2.709E-09	2.313E-09
-9.89401E-01	2.202E-C9	2.492E-C9	2.813E-09	2.906E-09	2.851E-09	2.714E-C9	2.317E-09
-9.44575E-01	2.216E-C9	2.508E-C9	2.833E-09	2.925E-09	2.871E-09	2.733E-C9	2.335E-09
-8.55531E-01	2.242E-C9	2.533E-C9	2.865E-09	2.962E-09	2.909E-09	2.771E-09	2.370E-09
-7.55044E-01	2.283E-C9	2.585E-09	2.919E-C9	3.02C1E-C9	2.969E-09	2.830E-09	2.424E-09
-6.17870E-01	2.347E-C9	2.659E-09	3.002E-09	3.11CE-C9	3.04CE-09	2.921E-C9	2.507E-09
-4.58017E-01	2.444E-C9	2.771E-09	3.131E-C9	3.248E-C9	3.2C1E-09	3.058E-C9	2.631E-09
-2.811605E-01	2.586E-C9	2.94CE-09	3.322E-09	3.455E-C9	3.41CE-09	3.263E-09	2.813E-09
-9.50125E-02	2.798E-09	3.188E-09	3.608E-09	3.758E-09	3.719E-09	3.560E-C9	3.075E-09
9.50125E-02	3.190E-09	4.464E-C9	3.518E-09	4.474E-09	4.461E-09	3.918E-C9	3.461E-09
2.81605E-01	3.396E-C9	5.626E-Q	4.891E-09	4.627E-09	4.575E-09	4.699E-C9	4.011E-09
4.58017E-01	5.299E-C9	4.953E-Q	5.531E-C9	6.148E-C9	6.123E-09	5.628E-C9	4.913E-09
6.001E-C9	6.891E-C9	6.941E-C9	7.893E-C9	7.664E-C9	7.588E-09	7.496E-C9	6.396E-09
1.080E-C9	1.039E-C8	1.039E-C8	1.080E-C8	1.080E-C8	1.151E-C8	1.133E-06	1.062E-C8
7.55044E-01	2.601E-C8	1.799E-C8	1.863E-C8	1.862E-C8	1.788E-08	1.689E-C8	1.392E-08
8.65631E-01	7.713E-C5	6.316E-C8	4.596E-C5	4.003E-C8	3.589E-08	3.198E-C8	2.478E-08
9.44575E-01	3.312E-C7	3.419E-07	3.015E-C7	2.483E-07	1.996E-07	1.595E-07	1.005E-07
9.89401E-01	TOTAL	1.461E-C7	1.424E-C7	1.320E-C7	1.231E-C7	1.121E-07	1.006E-C7
						7.885E-08	
COSINE	500.0	600.0	900.0	RANGE (METERS)	1200.0	1500.0	1800.0
				1000.0			
-1.00000E+00	1.880E-C9	1.48CE-C9	6.357E-10	2.380E-10	8.051E-11	2.516E-11	
-9.89401E-01	1.884E-C9	1.403E-C9	6.371E-10	2.386E-10	8.07CE-11	2.522E-11	
-9.44575E-01	1.896E-C9	1.496E-09	6.432E-10	2.41CE-10	8.151E-11	2.548E-11	
-8.65631E-C1	1.930E-C9	1.521E-09	6.550E-10	2.455E-10	8.30CE-11	2.596E-11	
-7.55044E-C1	1.977E-C9	1.566E-C9	6.731E-10	2.524E-10	8.54CE-11	2.669E-11	
-6.17870E-01	2.053E-C9	1.619E-09	6.933E-10	2.623E-10	8.72CE-11	2.770E-11	
-4.58017E-01	2.703E-C9	1.703E-C9	7.363E-10	2.759E-10	9.32CE-11	2.907E-11	
-2.811605E-01	2.306E-09	1.824E-09	7.878E-10	2.945E-10	9.923E-11	3.090E-11	
-2.50125E-02	2.520E-C9	1.994E-09	8.587E-10	3.19E-10	1.073E-10	3.329E-11	
9.50125E-02	2.800E-C9	2.238E-C9	9.575E-10	3.539E-10	1.181E-10	3.646E-11	
2.81605E-01	3.290E-C9	2.594E-C9	1.C98E-C9	4.016E-10	1.328E-10	4.073E-11	
4.58017E-C1	4.000E-09	3.142E-09	1.307E-09	4.7C3E-10	1.535E-10	4.661E-11	
6.17870E-01	5.178E-C9	4.025E-C9	1.629E-09	5.723E-10	1.834E-10	5.491E-11	
7.55044E-01	7.19CE-C9	5.51CE-09	2.142E-09	7.285E-10	2.277E-10	6.690E-11	
8.65631E-01	1.084E-C8	8.134E-C9	2.993E-09	9.754E-10	2.951E-10	8.462E-11	
9.44575E-01	1.841E-08	1.337E-C8	4.528E-09	1.390E-C9	4.020E-10	1.115E-10	
9.89401E-01	6.301E-C8	3.948E-C8	9.805E-09	2.478E-C9	6.323E-10	1.614E-10	
TOTAL	5.998E-C8	4.467E-C8	1.688E-08	5.778E-09	1.834E-09	5.481E-10	

$\frac{4}{\pi} R^{**2}$ IONIZING SILICON KERMA (NEUTRONS)
 $\{ \text{CH}^{**2} \text{ ERGS/GRAM/STERADIAN/SOURCE NEUTRON} \}$

4.065 TO 6.360 MEV NEUTRON SOURCE

COSINE	75.0	100.0	125.0	150.0	RANGE (METERS)	200.0	250.0	300.0	400.0
-1.00000E 00	1.355E-10	1.550E-10	1.785E-10	1.876E-10	1.869E-10	1.800E-10	1.565E-10	1.565E-10	1.565E-10
-9.89401E-01	1.360E-10	1.556E-10	1.791E-10	1.882E-10	1.875E-10	1.806E-10	1.569E-10	1.569E-10	1.569E-10
-9.44575E-01	1.378E-10	1.576E-10	1.814E-10	1.906E-10	1.898E-10	1.828E-10	1.589E-10	1.589E-10	1.589E-10
-8.65631E-01	1.410E-10	1.633E-10	1.855E-10	1.949E-10	1.941E-10	1.869E-10	1.625E-10	1.625E-10	1.625E-10
-7.55044E-01	1.456E-10	1.655E-10	1.913E-10	2.010E-10	2.001E-10	1.928E-10	1.678E-10	1.678E-10	1.678E-10
-6.17876E-01	1.521E-10	1.739E-10	1.996E-10	2.097E-10	2.089E-10	2.014E-10	1.754E-10	1.754E-10	1.754E-10
-4.58017E-01	1.615E-10	1.846E-10	2.118E-10	2.227E-10	2.219E-10	2.141E-10	1.867E-10	1.867E-10	1.867E-10
-2.81605E-01	1.751E-10	2.044E-10	2.298E-10	2.417E-10	2.411E-10	2.326E-10	2.029E-10	2.029E-10	2.029E-10
-9.50125E-C2	1.942E-10	2.222E-10	2.553E-10	2.687E-10	2.681E-10	2.587E-10	2.257E-10	2.257E-10	2.257E-10
9.59125E-C2	2.258E-10	3.226E-10	3.642E-10	3.207E-10	3.215E-10	2.912E-10	2.578E-10	2.578E-10	2.578E-10
2.81605E-C1	3.447E-10	3.567E-10	3.523E-10	3.483E-10	3.471E-10	3.511E-10	3.031E-10	3.031E-10	3.031E-10
4.58017E-C1	3.933E-10	3.773E-10	4.223E-10	4.596E-10	4.595E-10	4.301E-10	3.766E-10	3.766E-10	3.766E-10
6.17876E-C1	5.467E-10	6.022E-10	6.022E-10	6.022E-10	6.022E-10	5.961E-10	5.025E-10	5.025E-10	5.025E-10
7.52044E-01	1.118E-09	5.361E-10	8.879E-10	9.312E-10	9.179E-10	8.664E-10	7.367E-10	7.367E-10	7.367E-10
8.65631E-01	2.854E-C9	1.779E-C9	1.652E-09	1.612E-09	1.544E-09	1.453E-C9	1.191E-09	1.191E-09	1.191E-09
9.44575E-01	8.226E-C9	6.816E-C9	4.737E-09	3.913E-09	3.404E-09	2.992E-09	2.288E-09	2.288E-09	2.288E-09
9.89401E-C1	3.965E-C8	3.964E-C8	3.471E-C8	2.844E-08	2.271E-08	1.891E-C8	1.119E-08	1.119E-08	1.119E-08
TOTAL	1.505E-C8	1.41CE-C8	1.253E-C8	1.132E-C8	1.009E-08	8.904E-C9	6.807E-09	6.807E-09	6.807E-09

COSINE	500.0	600.0	700.0	800.0	RANGE (METERS)	900.0	1000.0	1200.0	1500.0	1800.0
-1.00000E 00	1.284E-10	1.013E-10	4.26CE-11	1.532E-11	4.965E-12	1.493E-12	1.493E-12	1.493E-12	1.493E-12	1.493E-12
-9.89401E-01	1.288E-10	1.016E-10	4.273E-11	1.537E-11	4.981E-12	1.498E-12	1.498E-12	1.498E-12	1.498E-12	1.498E-12
-9.44575E-01	1.304E-10	1.029E-10	4.330E-11	1.558E-11	5.056E-12	1.519E-12	1.519E-12	1.519E-12	1.519E-12	1.519E-12
-6.65631E-01	1.334E-10	1.052E-10	4.437E-11	1.598E-11	5.182E-12	1.559E-12	1.559E-12	1.559E-12	1.559E-12	1.559E-12
-7.52044E-01	1.379E-10	1.099E-10	4.597E-11	1.657E-11	5.379E-12	1.619E-12	1.619E-12	1.619E-12	1.619E-12	1.619E-12
-6.17876E-01	1.443E-10	1.122E-10	4.828E-11	1.742E-11	5.658E-12	1.704E-12	1.704E-12	1.704E-12	1.704E-12	1.704E-12
-4.58017E-01	1.537E-10	1.217E-10	5.151E-11	1.860E-11	6.039E-12	1.818E-12	1.818E-12	1.818E-12	1.818E-12	1.818E-12
-2.81605E-01	1.671E-10	1.323E-10	5.596E-11	2.019E-11	6.55CE-12	1.971E-12	1.971E-12	1.971E-12	1.971E-12	1.971E-12
-9.50125E-02	1.858E-10	1.404E-10	6..202E-11	2.232E-11	7.230E-12	2.172E-12	2.172E-12	2.172E-12	2.172E-12	2.172E-12
9.50125E-C2	2.117E-10	1.673E-10	7..C31E-11	2.521E-11	8.139E-12	2.440E-12	2.440E-12	2.440E-12	2.440E-12	2.440E-12
2.81605E-01	2.493E-10	1.966E-10	8.203E-11	2.922E-11	9.384E-12	2.801E-12	2.801E-12	2.801E-12	2.801E-12	2.801E-12
4.58017E-01	3.080E-10	2.48E-10	9..956E-11	3.505E-11	1.116E-11	3.308E-12	3.308E-12	3.308E-12	3.308E-12	3.308E-12
6.17876E-01	4.078E-10	3.173E-10	1.274E-10	4.398E-11	1.379E-11	4.043E-12	4.043E-12	4.043E-12	4.043E-12	4.043E-12
7.55044E-01	5.878E-10	4.593E-10	1.737E-10	5.820E-11	1.785E-11	5..145E-12	5.145E-12	5.145E-12	5.145E-12	5.145E-12
8.65631E-01	9.322E-10	6.922E-10	2.546E-10	8.179E-11	2.431E-11	6.848E-12	6.848E-12	6.848E-12	6.848E-12	6.848E-12
9.44575E-01	1.696E-09	1.235E-09	4.095E-10	1.238E-10	3.517E-11	9.577E-12	9.577E-12	9.577E-12	9.577E-12	9.577E-12
9.89401E-01	6.926E-09	4.226E-09	1.027E-09	2.503E-10	6.168E-11	1.524E-11	1.524E-11	1.524E-11	1.524E-11	1.524E-11
TOTAL	5.084E-09	3.729E-09	1.352E-09	4.448E-10	1.361E-10	3.933E-11	3.933E-11	3.933E-11	3.933E-11	3.933E-11

4. PI R**2 NON IONIZING SILICON KERMA (NEUTRONS)
(CM**2 ERGS/GRAM/STERADIANT/SOURCE NEUTRIN)

4.065 TO 6.360 MEV NEUTRON SOURCE

COSINE	75.0	100.0	150.0	RANGE (METERS)	250.0	300.0	400.0
				200.C			
-1.00000E+00	1.233E-10	1.468E-10	1.795E-10	1.977E-10	2.046E-10	2.037E-10	1.868E-10
-9.89401E-01	1.205E-10	1.469E-10	1.797E-10	1.979E-10	2.049E-10	2.041E-10	1.871E-10
-9.44575E-01	1.224E-10	1.477E-10	1.807E-10	1.991E-10	2.062E-10	2.055E-10	1.886E-10
-8.65631E-01	1.254E-10	1.493E-10	1.827E-10	2.014E-10	2.088E-10	2.083E-10	1.915E-10
-7.55044E-01	1.275E-10	1.858E-10	2.051E-10	2.13CE-10	2.127E-10	1.961E-10	
-6.17879E-01	1.308E-10	1.558E-10	1.908E-10	2.1C9E-10	2.194E-10	2.194E-10	2.030E-10
-4.58017E-01	1.359E-10	1.619E-10	1.984E-10	2.198E-10	2.29CE-10	2.295E-10	2.129E-10
-2.81605E-01	1.435E-10	1.712E-10	2.099E-10	2.432E-10	2.441E-10	2.441E-10	2.271E-10
-9.5C125E-02	1.545E-10	1.845E-10	2.265E-10	2.519E-10	2.634E-10	2.647E-10	2.470E-10
9.50125E-02	1.758E-10	2.47CE-10	2.226E-10	2.939E-10	3.083E-10	2.897E-10	2.749E-10
2.81605E-01	2.758E-10	2.47CE-10	2.226E-10	2.939E-10	3.083E-10	2.897E-10	2.749E-10
4.58C17E-01	2.745E-10	2.821E-10	3.420E-10	3.92CE-10	4.082E-10	3.958E-10	3.714E-10
6.17878E-01	3.212E-10	3.732E-10	4.461E-10	4.715E-10	4.904E-10	5.028E-10	4.616E-10
7.55044E-01	5.635E-10	5.514E-10	6.112E-10	6.724E-10	6.9C5E-10	6.738E-10	6.122E-10
8.65631E-01	1.300E-09	9.315E-10	9.10CE-10	1.03CE-09	1.1C7E-09	8.03CE-09	8.793E-10
9.44575E-01	3.088E-09	3.089E-09	2.335E-09	2.091E-09	2.091E-09	1.929E-09	1.769E-09
9.89401E-01	1.629E-08	1.651E-08	1.466E-08	1.219E-08	9.905E-09	8.03CE-09	5.196E-09
TOTAL	7.317E-09	7.294E-09	7.128E-09	6.988E-09	6.677E-09	6.264E-09	5.318E-09
COSINE	500.0	600.0	900.0	RANGE (METERS)	1200.0	1500.0	1800.0
				200.C			
-1.00000E+00	1.597E-10	1.302E-10	5.827E-11	2.168E-11	7.165E-12	2.181E-12	
-9.89401E-01	1.600E-10	1.305E-10	5.842E-11	2.174E-11	7.187E-12	2.188E-12	
-9.44575E-01	1.615E-10	1.317E-10	5.908E-11	2.2C1E-11	7.28CE-12	2.217E-12	
-8.65631E-01	1.642E-10	1.342E-10	6.056E-11	2.329E-11	7.456E-12	2.273E-12	
-7.55044E-01	1.685E-10	1.379E-10	6.228E-11	2.439E-11	7.722E-12	2.356E-12	
-6.17879E-01	1.749E-10	1.434E-10	6.506E-11	2.881E-11	8.097E-12	2.472E-12	
-4.58017E-01	1.840E-10	1.512E-10	6.881E-11	2.587E-11	8.601E-12	2.628E-12	
-2.81605E-01	1.967E-10	1.62CE-10	7.402E-11	2.785E-11	9.268E-12	2.834E-12	
-9.5C125E-02	2.142E-10	1.766E-10	8.188E-11	3.046E-11	1.1C4E-11	3.099E-12	
9.50125E-02	2.383E-10	1.966E-10	9.0C1E-11	3.387E-11	1.126E-11	3.442E-12	
2.81605E-01	2.720E-10	2.242E-10	1.023E-10	3.839E-11	1.274E-11	3.885E-12	
4.58C17E-01	3.210E-10	2.637E-10	1.193E-10	4.447E-11	1.469E-11	4.464E-12	
6.17878E-01	3.96CE-10	3.228E-10	1.435E-10	5.286E-11	1.731E-11	5.231E-12	
7.55044E-01	5.166E-10	4.155E-10	1.792E-10	6.473E-11	2.092E-11	6.262E-12	
8.65631E-01	7.236E-10	5.695E-10	2.333E-10	8.211E-11	2.6CE-11	7.677E-12	
9.44575E-01	1.134E-09	8.595E-10	3.270E-10	1.092E-10	3.35CE-11	9.676E-12	
9.89401E-01	3.369E-09	2.19CE-09	6.118E-10	1.721E-10	4.78CE-11	1.300E-11	
TOTAL	4.326E-09	3.0404E-09	1.432E-09	5.158E-10	1.671E-10	5.021E-11	

$^4\text{PI R}^{**2}\text{ HENDERSON DOSE (GAMMAS)}$
 $(\text{CM}^{**2}\text{ RAD/STERADIAN/SOURCE NEUTRON})$

4.065 TO 6.360 MEV NEUTRON SOURCE

COSINE	75.0	100.0	150.0	RANGE (METERS) 2C0.C	250.0	300.0	400.0
-1.00000E 00	9.933E-13	1.13CE-12	1.309E-12	1.405E-12	1.446E-12	1.451E-12	1.390E-12
-9.89401E-01	1.18E-12	1.37E-12	1.58E-12	1.41E-12	1.460E-12	1.467E-12	1.406E-12
-9.44575E-01	1.02E-12	1.164E-12	1.356E-12	1.464E-12	1.513E-12	1.523E-12	1.467E-12
-8.6531E-01	1.061E-12	1.215E-12	1.422E-12	1.543E-12	1.61E-12	1.563E-12	1.526E-12
-7.55044E-01	1.121E-12	1.286E-12	1.511E-12	1.643E-12	1.726E-12	1.761E-12	1.670E-12
-6.1776E-01	1.202E-12	1.379E-12	1.622E-12	1.763E-12	1.830E-12	1.848E-12	1.785E-12
-4.58017E-01	1.306E-12	1.501E-12	1.764E-12	1.915E-12	1.983E-12	1.998E-12	1.925E-12
-2.81605E-01	1.447E-12	1.667E-12	1.958E-12	2.122E-12	2.195E-12	2.209E-12	2.124E-12
-9.50125E-02	1.639E-12	1.893E-12	2.226E-12	2.414E-12	2.498E-12	2.514E-12	2.420E-12
9.50125E-02	1.946E-12	2.777E-12	2.508E-12	2.869E-12	2.972E-12	2.941E-12	2.843E-12
2.81605E-01	2.841E-12	2.633E-12	3.167E-12	3.363E-12	3.488E-12	3.566E-12	3.430E-12
4.58017E-01	2.970E-12	3.058E-12	3.833E-12	4.281E-12	4.44CE-12	4.425E-12	4.260E-12
6.1776E-01	3.207E-12	4.406E-12	5.267E-12	5.505E-12	5.711E-12	5.786E-12	5.533E-12
7.55044E-01	4.192E-12	5.808E-12	7.084E-12	7.777E-12	8.054E-12	8.071E-12	7.712E-12
8.6531E-01	6.651E-12	7.537E-12	1.032E-11	1.201E-11	1.242E-11	1.191E-11	1.159E-11
9.44575E-01	1.065E-11	1.392E-11	1.771E-11	2.079E-11	2.226E-11	2.260E-11	2.159E-11
9.89401E-01	1.583E-11	2.369E-11	3.601E-11	4.410E-11	4.918E-11	5.153E-11	5.177E-11
TOTAL	3.418E-11	4.218E-11	5.183E-11	5.795E-11	6.091E-11	6.175E-11	5.954E-11
COSINE	500.0	600.0	900.0	RANGE (METERS) 1200.0	1500.0	1800.0	
-1.00000E 00	1.271E-12	1.121E-12	6.478E-13	3.068E-13	1.267E-13	4.785E-14	
-9.89401E-01	1.267E-12	1.136E-12	6.578E-13	3.126E-13	1.299E-13	4.966E-14	
-9.44575E-01	1.346E-12	1.191E-12	6.743E-13	3.335E-13	1.411E-13	5.532E-14	
-8.6531E-01	1.439E-12	1.275E-12	7.922E-13	3.637E-13	1.566E-13	6.334E-14	
-7.55044E-01	1.539E-12	1.366E-12	8.046E-13	3.922E-13	1.697E-13	6.894E-14	
-6.1776E-01	1.643E-12	1.458E-12	8.602E-13	4.192E-13	1.804E-13	7.229E-14	
-4.58017E-01	1.769E-12	1.570E-12	9.296E-13	4.534E-13	1.937E-13	7.640E-14	
-2.81605E-01	1.953E-12	1.736E-12	1.038E-12	5.107E-13	2.192E-13	8.634E-14	
-9.50125E-02	2.230E-12	1.99CE-12	1.209E-12	6.058E-13	2.646E-13	1.062E-13	
9.50125E-02	2.627E-12	2.355E-12	1.459E-12	7.476E-13	3.34CE-13	1.371E-13	
2.81605E-01	3.171E-12	2.849E-12	1.797E-12	9.44CE-13	4.312E-13	1.799E-13	
4.58017E-01	3.929E-12	3.53CE-12	2.260E-12	1.220E-12	5.719E-13	2.426E-13	
6.1776E-01	5.080E-12	4.551E-12	2.947E-12	1.645E-12	8.028E-13	3.529E-13	
7.55044E-01	7.046E-12	6.283E-12	4.089E-12	2.368E-12	1.2222E-12	5.731E-13	
8.6531E-01	1.083E-11	9.600E-12	6.186E-12	3.675E-12	2.008E-12	1.016E-12	
9.44575E-01	1.951E-11	1.711E-11	1.064E-11	6.254E-12	3.510E-12	1.877E-12	
9.89401E-01	4.731E-11	4.154E-11	2.481E-11	1.378E-11	7.445E-12	3.944E-12	
TOTAL	5.454E-11	4.843E-11	3.016E-11	1.656E-11	8.301E-12	3.919E-12	

4 PI R**2 CONCRETE KERMA (GAMMAS)
(CM**2 ERGS/GRAM/Steradian/Source Neutron)

4.065 TO 6.360 MEV NEUTRON SOURCE

COSINE	75.0	100.0	150.0	RANGE (METERS)	250.0	300.0	400.0
-1.00000E 0C	9.952E-11	1.149E-10	1.370E-10	1.51CE-10	1.589E-10	1.624E-10	1.597E-10
-9.89401E-01	1.501E-10	1.156E-10	1.379E-10	1.522E-10	1.603E-10	1.639E-10	1.613E-10
-9.44575E-01	1.022E-10	1.182E-10	1.16E-10	1.567E-10	1.654E-10	1.695E-10	1.673E-10
-8.65631E-01	1.C61E-10	1.232E-10	1.481E-10	1.645E-10	1.742E-10	1.788E-10	1.770E-10
-7.55044E-01	1.119E-10	1.301E-10	1.744E-10	1.848E-10	1.897E-10	1.978E-10	1.878E-10
-6.17876E-01	1.196E-10	1.393E-10	1.677E-10	1.863E-10	1.97CE-10	2.021E-10	1.996E-10
-4.58017E-01	1.298E-10	1.511E-10	1.817E-10	2.014E-10	2.124E-10	2.173E-10	2.140E-10
-2.81605E-01	1.436E-10	1.672E-10	2.036E-10	2.218E-10	2.384E-10	2.342E-10	2.342E-10
-9.50125E-02	1.622E-10	1.891E-10	2.268E-10	2.506E-10	2.635E-10	2.689E-10	2.640E-10
9.50125E-02	1.919E-10	2.744E-10	2.536E-10	2.955E-10	3.106E-10	3.111E-10	3.063E-10
2.81605E-01	2.778E-10	2.61CE-10	3.191E-10	3.43CE-10	3.605E-10	3.777E-10	3.644E-10
4.58017E-01	2.914E-10	3.834E-10	4.331E-10	4.831E-10	4.541E-10	4.568E-10	4.463E-10
6.17876E-01	3.139E-10	4.333E-10	5.233E-10	5.513E-10	5.772E-10	5.896E-10	5.708E-10
7.55044E-01	4.091E-10	5.685E-10	6.964E-10	7.72CE-10	8.050E-10	8.113E-10	7.828E-10
8.65631E-01	6.628E-10	7.352E-10	1.061E-C9	1.181E-09	1.241E-09	1.190E-09	1.190E-09
9.44575E-01	1.034E-C9	1.353E-C9	1.726E-09	2.032E-09	2.18CE-09	2.218E-09	2.127E-09
9.89401E-01	1.535E-C9	2.299E-C9	3.497F-C9	4.290E-09	4.79CE-09	5.047E-09	5.034E-09
TOTAL	3.351E-C9	4.156E-C9	5.161E-C9	5.825E-09	6.176E-09	6.3C8E-09	6.153E-09
COSINE	500.0	600.0	900.0	RANGE (METERS)	1200.0	1500.0	1800.0
-1.00000E 0C	1.484E-10	1.322E-10	7.776E-11	3.772E-11	1.622E-11	1.622E-11	6.471E-12
-9.89401E-01	1.500E-10	1.337E-10	7.875E-11	3.829E-11	1.661E-11	1.661E-11	6.650E-12
-9.44575E-01	1.559E-10	1.392E-10	8.240E-11	4.C38E-11	1.633E-11	1.633E-11	7.213E-12
-8.65631E-01	1.652E-10	1.477E-10	8.794E-11	4.342E-11	1.918E-11	1.918E-11	8.017E-12
-7.55044E-01	1.754E-10	1.664E-10	9.364E-11	4.637E-11	2.054E-11	2.054E-11	8.599E-12
-6.17876E-01	1.862E-10	1.665E-10	9.949E-11	4.923E-11	2.77CE-11	2.77CE-11	8.977E-12
-4.58017E-01	1.993E-10	1.783E-10	1.C68E-10	5.285E-11	2.314E-11	2.314E-11	9.439E-12
-2.81605E-01	2.182E-10	1.954E-10	1.180E-10	5.879E-11	2.518E-11	2.518E-11	1.048E-11
-9.50125E-02	2.462E-10	2.212E-10	1.355E-10	6.845E-11	3.039E-11	1.249E-11	1.249E-11
9.50125E-02	2.861E-10	2.579E-10	1.606E-10	8.272E-11	3.373E-11	1.560E-11	1.560E-11
2.81605E-01	3.403E-10	3.C74E-10	1.945E-10	1.C24E-10	4.710E-11	1.988E-11	1.988E-11
4.58017E-01	4.153E-10	3.749E-10	2.407E-10	1.299E-10	6.112E-11	2.612E-11	2.612E-11
6.17876E-01	5.283E-10	4.755E-10	3.C87E-10	1.721E-10	8.06CE-11	3.704E-11	3.704E-11
7.55044E-01	7.199E-10	6.446E-10	4.207E-10	2.433E-10	1.254E-10	5.873E-11	5.873E-11
8.65631E-01	1.088E-C9	9.667E-10	6.252E-10	3.712E-10	2.025E-10	1.023E-10	1.023E-10
9.44575E-01	1.928E-C9	1.695E-C9	1.C58E-C9	6.229E-10	3.496E-10	1.869E-10	1.869E-10
9.89401E-01	4.629E-C9	4.C70E-09	2.441E-09	1.359E-09	7.361E-10	3.9C6E-10	3.9C6E-10
TOTAL	5.680E-C9	5.C67E-C9	3.169E-C9	1.74CE-09	8.72CE-10	4.117E-10	4.117E-10

(CM**2 ERGS/GRAM/STERADIAN/SOURCE NEUTRON)

4.065 TO 6.360 MEV NEUTRON SOURCE

COSINE	RANGE (METERS)			400.0
	150.0	150.0	200.0	
-1.00000E+00	1.225E-10	1.528E-10	2.062E-10	2.796E-10
-9.89401E-01	1.231E-10	1.535E-10	2.072E-10	2.812E-10
-9.44575E-01	1.252E-10	1.563E-10	2.111E-10	2.856E-10
-8.65631E-01	1.292E-10	1.614E-10	2.122E-10	2.637E-10
-7.55044E-01	1.350E-10	1.686E-10	2.277E-10	2.750E-10
-6.17876E-01	1.459E-10	1.781E-10	2.398E-10	2.884E-10
-4.58017E-01	1.532E-10	1.905E-10	2.552E-10	3.065E-10
-2.81605E-01	1.611E-10	2.072E-10	2.764E-10	3.301E-10
-9.50125E-02	1.857E-10	2.297E-10	3.044E-10	3.624E-10
9.50125E-02	2.149E-10	3.132E-10	4.107E-10	4.554E-10
2.81605E-01	2.988E-10	3.221E-10	3.999E-10	4.784E-10
4.58017E-01	3.120E-10	3.858E-10	4.679E-10	5.128E-10
6.17876E-01	3.353E-10	4.706E-10	6.051E-10	5.529E-10
7.55044E-01	4.277E-10	6.032E-10	7.800E-10	7.870E-10
8.65631E-01	6.709E-10	7.656E-10	8.991E-10	9.794E-10
9.44575E-01	1.025E-C9	1.356E-09	1.772E-09	2.119E-C9
9.89401E-01	1.502E-09	2.257E-09	3.460E-C9	4.270E-09
TOTAL	3.6022E-09	4.614E-C9	6.996E-09	7.213E-09
COSINE	RANGE (METERS)			1800.0
	500.0	600.0	1200.0	
-1.00000E+00	2.981E-10	2.693E-10	1.628E-10	8.333E-11
-9.89401E-01	2.994E-10	2.709E-10	2.639E-10	8.395E-11
-9.44575E-01	3.066E-10	2.772E-10	1.680E-10	8.626E-11
-8.65631E-01	3.166E-10	2.873E-10	1.745E-10	8.977E-11
-7.55044E-01	3.304E-10	2.989E-10	1.811E-10	9.352E-11
-6.17876E-01	3.450E-10	3.121E-10	1.897E-10	9.752E-11
-4.58017E-01	3.631E-10	3.284E-10	1.997E-10	1.026E-10
-2.81605E-01	3.881E-10	3.510E-10	2.142E-10	1.102E-10
-9.50125E-02	4.225E-10	3.832E-10	2.352E-10	1.216E-10
9.50125E-02	4.711E-10	4.271E-10	2.642E-10	1.377E-10
2.81605E-01	5.344E-10	4.846E-10	3.023E-10	1.592E-10
4.58017E-01	6.191E-10	5.608E-10	3.526E-10	1.884E-10
6.17876E-01	7.417E-10	6.696E-10	4.240E-10	2.314E-10
7.55044E-01	9.403E-10	8.447E-10	5.373E-10	3.017E-10
8.65631E-01	1.307E-09	1.165E-09	7.378E-10	4.249E-10
9.44575E-01	2.119E-C9	1.868E-09	1.152E-09	6.632F-10
9.89401E-01	4.678E-C9	4.113E-C9	2.450E-09	1.352E-09
TOTAL	7.952E-C9	7.142E-09	4.422E-09	2.391E-09

PI R**2 SILICON KERNA (GAMMAS)
(CM**2 ERGS/GRAM/STERADIAN/SOURCE NEUTRON)

4.65 TO 6.360 MEV NEUTRON SOURCE

COSINE	75.C	10C.0	150.0	RANGE (METERS) 200.0	250.0	300.0	400.0
-1.00000E+00	1.016E-10	1.178E-10	1.419E-10	1.58CE-10	1.677E-10	1.771E-10	1.717E-10
-8.89401E-01	1.021E-10	1.185E-10	1.429E-10	1.592E-10	1.691E-10	1.742E-10	1.734E-10
-9.44575E-01	1.042E-10	1.212E-10	1.466E-10	1.58E-10	1.743E-10	1.799E-10	1.795E-10
-8.55631E-01	1.C83E-10	1.262E-10	1.532E-10	1.717E-10	1.832E-10	1.893E-10	1.892E-10
-7.55044E-01	1.141E-10	1.231E-10	1.619E-10	1.816E-10	1.939E-10	2.CC4E-10	2.002E-10
-6.17876E-01	1.179E-10	1.729E-10	1.936E-10	2.128E-10	2.121E-10	2.282E-10	2.266E-10
-4.58017E-01	1.322E-10	1.544E-10	1.870E-10	2.088E-10	2.217E-10	2.282E-10	2.476E-10
-2.81605E-01	1.461E-10	1.06E-10	2.r61E-10	2.294E-10	2.430E-10	2.594E-10	2.470E-10
-9.50125E-02	1.649E-10	1.927E-10	2.325E-10	2.584E-10	2.732E-10	2.801E-10	2.770E-10
9.50125E-02	1.949E-10	2.799E-10	2.593E-10	3.C29E-10	3.226E-10	3.196E-10	3.196E-10
2.81605E-01	2.815E-10	2.654E-10	3.258E-10	3.514E-10	3.7C7E-10	3.847E-10	3.782E-10
4.58017E-01	2.955E-10	3.492E-10	3.902E-10	4.425E-10	4.653E-10	4.693E-10	4.666E-10
6.17876E-01	3.182E-10	4.397E-10	5.321E-10	5.614E-10	6.891E-10	6.031E-10	5.860E-10
7.55044E-01	4.143E-10	5.761E-10	7.058E-10	7.844E-10	8.191E-10	8.267E-10	7.997E-10
8.65531E-01	6.710E-10	7.445E-10	1.076E-09	1.198E-09	1.245E-09	1.260E-09	1.211E-09
9.44575E-01	9.447E-09	1.748E-09	2.328E-09	3.543E-09	4.336E-09	4.854E-09	5.106E-09
9.89401E-01	1.554E-09	2.328E-09	3.543E-09	4.336E-09	5.116E-09	5.116E-09	5.106E-09
TOTAL	3.399E-C9	4.220E-C9	5.256E-09	5.950E-09	6.325E-09	6.477E-09	6.344E-09
COSINE	500.C	60C.0	RANGE (METERS) 900.0	1200.C	1500.C	1800.C	1800.C
-1.CCCCOE CO	1.607E-10	1.437E-10	8.506E-11	4.154E-11	1.802E-11	7.303E-12	
-9.89401E-C1	1.623E-10	1.522E-10	8.607E-11	4.212E-11	1.834E-11	7.486E-12	
-9.44575E-C1	1.683E-10	1.5C8E-10	8.979E-11	4.424E-11	1.949E-11	8.062E-12	
-8.65631E-C1	1.777E-10	1.595E-10	9.542E-11	4.734E-11	2.107E-11	8.882E-12	
-7.55044E-C1	1.880E-10	1.688E-10	1.012E-10	5.034E-11	2.456E-11	9.473E-12	
-6.17876E-C1	1.989E-10	1.785E-10	1.C71E-10	5.323E-11	2.361E-11	9.851E-12	
-4.58017E-C1	2.122E-10	1.904E-10	1.145E-10	5.69CE-11	2.507E-11	1.031E-11	
-2.81605E-C1	2.312E-10	2.C77E-10	1.259E-10	6.291E-11	2.774E-11	1.136E-11	
-9.50125E-C2	2.595E-10	2.38E-10	1.436E-10	7.271E-11	3.241E-11	1.340E-11	
9.50125E-C2	2.997E-10	2.708E-10	1.699E-10	8.719E-11	3.949E-11	1.655E-11	
2.81605E-C1	3.544E-10	2.C38E-10	2.038E-10	1.G72E-10	4.936E-11	2.089E-11	
4.58017E-C1	4.30E-10	3.889E-10	2.5CE-10	1.351E-10	6.366E-11	2.722E-11	
6.17876E-C1	5.488E-10	4.02F-10	3.190E-10	1.779E-10	8.684E-11	3.831E-11	
7.55044E-C1	7.369E-10	6.09E-10	4.324E-10	2.502E-10	1.289E-10	6.038E-11	
8.65631E-C1	1.038E-09	9.863E-10	6.396E-10	3.802E-10	2.075E-10	1.048E-10	
9.44575E-C1	1.959E-09	1.724E-09	1.C79E-09	6.362E-10	3.576E-10	1.912E-10	
9.89401E-C1	4.700E-C9	4.135E-09	2.485E-C9	1.387E-09	7.521E-10	3.995E-10	
TOTAL	5.873E-C9	5.25CE-C9	3.291E-C9	1.8C8E-09	9.062E-10	4.279E-10	

4 PI R**2 FLUENCE AT 75.0 METERS

2.35 TO 4.065 MEV NEUTRON SOURCE

(NEUTRONS/MEV/STERADIAN/SOURCE NEUTRON)									
ENERGY GROUP (MEV)	ANGLE 1 MU=1.0000	ANGLE 2 MU=0.9854	ANGLE 3 MU=0.9446	ANGLE 4 MU=0.8656	ANGLE 5 MU=0.7550	ANGLE 6 MU=0.6179	ANGLE 7 MU=0.4580	ANGLE 8 MU=0.2816	ANGLE 9 MU=0.0950
1.22E 01--1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01--1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00--1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00--8.19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E 00--6.36E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.07E 00---4.97E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.01E 00---4.07E 00	7.59E-04	9.005E-04	1.095E-03	1.339E-03	1.616E-03	1.930E-03	2.307E-03	2.808E-03	3.35E-03
2.46E 00---3.01E 00	2.136E-02	2.131E-02	2.114E-02	2.082E-02	2.040E-02	1.998E-02	1.969E-02	1.914E-02	2.043E-02
2.35E 00---2.46E 00	3.232E-02	3.214E-02	3.147E-02	3.032E-02	2.896E-02	2.770E-02	2.687E-02	2.686E-02	2.811E-02
1.83E 00---2.35E 00	2.056E-02	2.062E-02	2.047E-02	2.027E-02	2.019E-02	2.038E-02	2.097E-02	2.096E-02	2.386E-02
1.11E 00---1.83E 00	9.56E-03	9.363E-03	9.394E-03	9.477E-03	9.633E-03	9.889E-03	1.027E-02	1.079E-02	1.148E-02
5.50E-01---1.11E 00	8.144E-03	8.157E-03	8.205E-03	8.301E-03	8.442E-03	8.633E-03	8.874E-03	9.172E-03	9.532E-03
1.11E-01---5.50E-01	8.774E-03	8.782E-03	8.814E-03	8.874E-03	8.976E-03	9.214E-03	9.577E-03	9.877E-03	9.563E-03
3.35E-02---1.11E-01	4.662E-02	4.664E-02	4.672E-02	4.686E-02	4.707E-02	4.733E-02	4.765E-02	4.801E-02	4.840E-02
5.83E-04---3.35E-02	3.784E-02	3.785E-02	3.789E-02	3.797E-02	3.809E-02	3.823E-02	3.839E-02	3.858E-02	3.878E-02
1.01E-04---5.83E-04	2.184E-00	2.186E-00	2.190E-00	2.195E-00	2.202E-00	2.210E-00	2.219E-00	2.228E-00	2.228E-00
2.90E-05---1.01E-04	9.198E-00	9.200E-00	9.208E-00	9.222E-00	9.242E-00	9.267E-00	9.296E-00	9.329E-00	9.364E-00
1.07E-05---2.90E-05	2.337E-01	2.638E-01	2.640E-01	2.644E-01	2.649E-01	2.656E-01	2.664E-01	2.672E-01	2.682E-01
3.06E-06---1.07E-05	6.929E-01	6.930E-01	6.935E-01	6.945E-01	6.958E-01	6.993E-01	7.014E-01	7.037E-01	7.037E-01
1.12E-06---3.06E-06	1.830E-02	1.830E-02	1.831E-02	1.833E-02	1.837E-02	1.841E-02	1.845E-02	1.851E-02	1.856E-02
4.14E-07---1.12E-06	3.554E-02	3.554E-02	3.951E-02	3.961E-02	3.968E-02	3.976E-02	3.986E-02	3.997E-02	4.008E-02
0.0	-4.14E-07	5.665E-02	5.666E-02	5.671E-02	5.678E-02	5.688E-02	5.699E-02	5.712E-02	5.739E-02
ENERGY GROUP (MEV)	ANGLE 10 MU= 0.0950	ANGLE 11 MU= 0.2816	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9894	SCALAR FLUX
1.22E 01---1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01---1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00---1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00---8.19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E 00---6.36E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.07E 00---4.97E 00	5.043E-03	5.191E-03	8.774E-03	1.706E-02	4.267E-02	1.320E-01	2.846E-01	1.517E-00	5.316E-01
3.01E 00---3.01E 00	3.134E-02	3.220E-02	3.035E-02	5.812E-02	9.043E-02	1.393E-01	5.650E-01	1.011E-01	9.048E-01
2.46E 00---2.46E 00	4.421E-02	4.567E-02	4.555E-02	3.798E-02	4.692E-02	7.108E-02	1.011E-01	1.238E-01	4.304E-01
2.35E 00---2.46E 00	4.626E-02	4.539E-02	1.425E-02	1.476E-02	1.770E-02	2.441E-02	2.450E-02	2.560E-02	6.688E-01
1.82E 00---2.35E 00	2.153E-02	1.83E 00	1.010E-02	1.058E-02	1.086E-02	1.318E-02	1.339E-02	1.288E-02	1.525E-02
1.11E 00---1.11E 00	1.117E-02	1.278E-01							
5.50E-01---1.11E 00	9.957E-03	9.971E-03	9.968E-03	1.062E-02	1.104E-02	1.383E-02	1.089E-02	1.208E-02	1.230E-01
1.11E-01---5.50E-01	4.896E-02	5.020E-02	4.963E-02	4.906E-02	4.963E-02	5.139E-02	5.217E-02	5.017E-02	6.127E-01
3.35E-02---1.11E-01	2.916E-02	3.941E-02	3.941E-02	3.959E-02	3.976E-02	3.91E-02	4.001E-02	4.006E-02	4.889E-01
5.83E-04---3.35E-02	3.899E-02	2.238E-00	2.248E-00	2.257E-00	2.265E-00	2.279E-00	2.283E-00	2.285E-00	2.807E-01
1.01E-04---5.83E-04	9.400E-00	9.435E-00	9.469E-00	9.500E-00	9.526E-00	9.548E-00	9.564E-00	9.571E-00	1.179E-02
2.90E-05---1.01E-04	2.691E-01	2.701E-01	2.710E-01	2.718E-01	2.725E-01	2.731E-01	2.737E-01	2.737E-01	3.376E-02
1.07E-05---2.90E-05	7.060E-01	7.083E-01	7.105E-01	7.124E-01	7.141E-01	7.155E-01	7.165E-01	7.169E-01	8.858E-02
3.06E-06---1.07E-05	1.862E-02	1.868E-02	1.873E-02	1.878E-02	1.882E-02	1.885E-02	1.888E-02	1.889E-02	2.336E-03
1.12E-06---3.06E-06	4.020E-02	4.031E-02	4.042E-02	4.052E-02	4.061E-02	4.068E-02	4.073E-02	4.075E-02	5.044E-03
4.14E-07---1.12E-06	5.753E-02	5.768E-02	5.782E-02	5.795E-02	5.806E-02	5.814E-02	5.819E-02	5.820E-02	7.221E-03

4 PI R**2 FLUENCE AT 150.0 METERS

2.35 TO 4.065 MEV NEUTRON SOURCE

(NEUTRONS/MFV/STERDIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=-1.0000	ANGLE 2 MU=-C.9894	ANGLE 3 MU=-0.9646	ANGLE 4 MU=-0.8656	ANGLE 5 MU=-0.7550	ANGLE 6 MU=-0.6179	ANGLE 7 MU=-0.4580	ANGLE 8 MU=-0.2616	ANGLE 9 MU=0.0950
1.22E 01----1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01----1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00----1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00----8.19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E 00----6.36E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.07E 00----4.97E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.01E 00----3.01E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.35E 00----2.46E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.83E 00----2.35E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E 00----1.83E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.50E -01----1.11E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E -01----5.50E -01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.35E -02----1.11E -01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.83E -04----3.35E -02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.01E -04----5.33E -04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.90E -05----1.01E -04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.07E -05----2.90E -05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.06E -06----1.07E -05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.12E -06----3.06E -06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.14E -07----1.12E -06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.0 -4.14E -07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENERGY GROUP (4EV)	ANGLE 10 MU= 0.0950	ANGLE 11 MU= 0.2816	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9894	SCALAR FLUX
1.22E 01----1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01----1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.14E 00----1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00----8.19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E 00----6.36E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.07E 00----4.97E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.01E 00----4.07E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.46E 00----3.01E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.35E 00----2.46E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.83E 00----2.35E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E 00----1.83E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.50E -01----1.11E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E -01----5.50E -01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.35E -02----1.11E -01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.83E -04----3.35E -02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.01E -04----5.83E -04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.90E -05----1.01E -04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.07E -05----2.90E -05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.06E -06----1.07E -05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.12E -06----3.06E -06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.14E -07----1.12E -06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0 -4.14E -07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

4 PI R**2 FLUENCE A 200.0 METERS

2.35 TO 4.065 MEV NEUTRON SOURCE

(NEUTRONS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=-1.0000	ANGLE 2 MU=-0.9894	ANGLE 3 MU=-0.9446	ANGLE 4 MU=-0.8656	ANGLE 5 MU=-0.7550	ANGLE 6 MU=-0.6179	ANGLE 7 MU=-0.4580	ANGLE 8 MU=-0.2816	ANGLE 9 MU=-0.0950
1.22E 01---1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01---1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00---1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00---8.19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E 00---6.36E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.07E 00---4.97E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.01E 00---3.01E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00---6.36E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00---4.97E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E 00---4.97E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.01E 00---2.35E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.46E 00---2.46E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.83E 00---2.35E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E 00---1.83E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.50E 01---1.11E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E 01---5.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.01E 04---5.83E 04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.90E 05---1.01E 04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.07E 05---2.90E 05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.06E 06---1.07E 05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.12E 06---3.06E 06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.14E 07---1.12E 06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	-4.14E-07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.22F U1---1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01---1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00---1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00---8.19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E 00---6.36E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.01E 00---2.35E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.46E 00---2.46E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.83E 00---2.35E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E 00---1.83E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.50E 01---1.11E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E 01---5.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E 01---5.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.35E 02---1.11E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.83E 04---3.35E 02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.01E 04---5.83E 04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.90E 05---1.01E 04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.07E 05---2.90E 05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.06E 06---1.07E 05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.12E 06---3.06E 06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.14E 07---1.12E 06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	-4.14E-07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

4 PI R**2 FLUENCE AT 300.0 MFTERS

2.35 TO 4.065 MEV NEUTRON SOURCE

(NEUTRONS/MEV/SERADIANT/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=0.0000	ANGLE 2 MU=-0.5894	ANGLE 3 MU=0.9446	ANGLE 4 MU=-0.8656	ANGLE 5 MU=-0.7250	ANGLE 6 MU=-0.6179	ANGLE 7 MU=-0.4580	ANGLE 8 MU=-0.2816	ANGLE 9 MU=-0.0950
1.22E 01----1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01----1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00----1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.26E 00----8.19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E 00----6.36E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.07E 00----4.97E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.01E 00----4.07E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.46E 00----3.01E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.35E 00----2.46E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.83E 00----2.35E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E 00----1.83E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.50E -01----1.11E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E -01----5.50E -01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.25E -02----1.11E -01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.83E -06----3.25E -02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.01E -04----5.83E -04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.90E -05----1.01E -04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.07E -05----2.90E -05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.06E -06----1.07E -05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.44E -02----7.452E -02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.99E -03----1.995E -03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.36E -03----4.366E -03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.14E -07----1.12E -06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0 ----4.14E -07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.22E 01----1.50E 01	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01----1.22E 01	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00----8.19E 00	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00----6.36E 00	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
4.97E 00----4.97E 00	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
3.01E 00----4.07E 00	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
2.46E 00----3.01E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
2.35E 00----2.46E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
1.83E 00----2.35E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
1.11E 00----1.83E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.50E -01----1.11E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E -01----5.50E -01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.35E -02----1.11E -01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.83E -04----3.35E -02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.01E -04----5.83E -04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.90E -05----1.01E -04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.07E -05----2.90E -05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.06E -06----1.07E -05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.12E -06----3.06E -06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.14E -07----1.12E -06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0 ----4.14E -07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.22E 01----1.50E 01	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01----1.22E 01	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00----8.19E 00	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00----6.36E 00	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
4.97E 00----4.97E 00	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
3.01E 00----4.07E 00	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
2.46E 00----3.01E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
2.35E 00----2.46E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
1.83E 00----2.35E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
1.11E 00----1.83E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.50E -01----1.11E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E -01----5.50E -01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.35E -02----1.11E -01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.83E -04----3.35E -02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.01E -04----5.83E -04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.90E -05----1.01E -04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.07E -05----2.90E -05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.06E -06----1.07E -05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.12E -06----3.06E -06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.14E -07----1.12E -06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0 ----4.14E -07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

0.4 PI R**2 FLUENCE AT 400.0 METERS

2.35 TO 4.065 MEV NEUTRON SOURCE

(NEUTRONS/MEV/STERADIAN/SOURCE NEUTRON)											
ENERGY GROUP (MEV)	ANGLE 1 MU=-1.0000	ANGLE 2 MU=0.9894	ANGLE 3 MU=-0.9446	ANGLE 4 MU=-0.8656	ANGLE 5 MU=-0.7550	ANGLE 6 MU=-0.6179	ANGLE 7 MU=-0.4580	ANGLE 8 MU=-0.2816	ANGLE 9 MU=-0.0950	SCALAR FLUX MU= 0.9446	ANGLE 17 MU= 0.9894
1.22E 01----1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01----1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00----1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00----8.19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E 00----6.36E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.07E 00----4.97E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.01E 00----4.07E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.46E 00----3.01E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.35E 00----2.46E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.83E 00----2.35E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E 00----1.83E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.50E 01----1.11E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E 01----5.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.35E 02----1.11E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.83E 04----3.35E 02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.01E 04----5.83E 04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.865E 01	2.867E 01	2.877E 01	2.889E 01	2.920E 01	2.952E 01	2.991E 01	3.035E 01	3.083E 01	3.137E 01	5.61E 01	5.74E 01
1.25E 02----2.865E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.92E 02----1.25E 02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.70E 02----2.92E 02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.70E 02----1.70E 02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.70E 02----2.70E 02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 03----3.70E 02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 03----1.00E 03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.06E 05----1.00E 05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.12E 06----3.06E 05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.14E 07----1.12E 05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.700E 03----4.14E 07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.83E 04----3.35E 02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.130E 01----5.83E 02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.134E 01----5.130E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.01E 04----3.134E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.365E 02----1.01E 04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.90E 05----1.365E 02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.07E 05----2.90E 05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.06E 06----1.07E 05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.12E 06----3.06E 06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.14E 07----1.12E 06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.283E 03----4.14E 07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

4 PI R**2 FLUENCE AT 500.0 METERS

2.35 TO 4.065 MEV NEUTRON SOURCE

(NEUTRONS/MEV/STERADIANS/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=-1.0000	ANGLE 2 MU=-0.9854	ANGLE 3 MU=-0.9446	ANGLE 4 MU=-0.8656	ANGLE 5 MU=-0.7550	ANGLE 6 MU=-0.6179	ANGLE 7 MU=-0.4580	ANGLE 8 MU=-0.2816	ANGLE 9 MU=-0.0950
1.22E 01----1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01----1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00----1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00----8.19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E 00----6.36E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.07E 00----4.97E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.01E 00----4.07E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.46E 00----3.01E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.35E 00----2.46E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.83E 00----2.35E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E 00----1.83E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.50E-01----1.11E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.00E-01----5.50E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.00E-01----5.00E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.00E-01----4.00E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.00E-01----3.00E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E-01----2.00E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.00E-02----1.00E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.50E-02----5.00E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.00E-02----3.50E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E-02----2.00E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.00E-03----1.00E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.00E-03----5.00E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E-03----2.00E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.00E-04----1.00E-03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.00E-04----5.00E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E-04----2.00E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.00E-05----1.00E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.00E-05----5.00E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E-05----2.00E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.00E-06----1.00E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E-06----5.00E-06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.14E-07----1.00E-06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	-4.14E-07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.22E 01----1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01----1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00----1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00----8.19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E 00----6.36E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.07E 00----4.97E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.01E 00----4.07E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.46E 00----3.01E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.35E 00----2.46E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.83E 00----2.35E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E 00----1.83E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.50E-01----1.11E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E-01----5.50E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E-01----5.00E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.35E-02----1.11E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.316E-01----5.00E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.83E-04----3.35E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	-4.14E-07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.22E 01----1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01----1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00----1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00----8.19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E 00----6.36E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.07E 00----4.97E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.01E 00----4.07E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.46E 00----3.01E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.35E 00----2.46E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.83E 00----2.35E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E 00----1.83E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.50E-01----1.11E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E-01----5.50E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E-01----5.00E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.35E-02----1.11E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.316E-01----5.00E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.83E-04----3.35E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	-4.14E-07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.01E-04----5.83E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.90E-05----1.01E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.07E-05----2.90E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.06E-06----1.07E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.14E-07----1.12E-06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	-4.14E-07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

4 PI R**2 FLUENCE AT 600.0 METERS

2.35 TO 4.065 MEV NEUTRON SOURCE

(NEUTRONS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=-1.0000	ANGLE 2 MU=-0.9894	ANGLE 3 MU=-0.9446	ANGLE 4 MU=-0.8656	ANGLE 5 MU=-0.7550	ANGLE 6 MU=-0.6179	ANGLE 7 MU=-0.4580	ANGLE 8 MU=-0.2816	ANGLE 9 MU=0.0950
1.22E 01---1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01---1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00---1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00---8.19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E 00---6.36E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.07E 00---4.97E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.01E 00---4.07E 00	1.394E-04	1.358E-04	1.536E-04	1.782E-04	2.097E-04	2.489E-04	2.984E-04	3.662E-04	4.668E-04
2.46E 00---3.01E 00	2.481E-03	2.477E-03	2.461E-03	2.433E-03	2.405E-03	2.402E-03	2.469E-03	3.097E-03	3.097E-03
2.35E 00---2.46E 00	4.189E-03	4.197E-03	4.235E-03	4.334E-03	4.532E-03	4.882E-03	5.453E-03	6.341E-03	7.696E-03
1.83E 00---2.35E 00	7.594E-03	7.613E-03	7.700E-03	7.886E-03	8.201E-03	8.699E-03	9.441E-03	1.051E-02	1.02E-02
1.11E 00---1.83E 00	1.204E-02	1.219E-02	1.249E-02	1.295E-02	1.366E-02	1.458E-02	1.748E-02	1.785E-02	1.785E-02
1.12E-01---1.11E 00	2.659E-02	2.661E-02	2.763E-02	2.462E-02	3.000E-02	3.166E-02	3.416E-02	3.711E-02	3.711E-02
1.11E-01---5.50E-01	6.113E-02	6.127E-02	6.185E-02	6.294E-02	6.451E-02	6.660E-02	6.921E-02	7.239E-02	7.612E-02
3.35E-02---1.11E-01	5.177E-01	5.184E-01	5.214E-01	5.269F-01	5.347E-01	5.448E-01	5.571E-01	5.715E-01	5.877E-01
5.83E-04---3.35E-02	4.846E-01	4.851E-01	4.873E-01	4.913E-01	4.970E-01	5.02E-01	5.130E-01	5.231E-01	5.342E-01
1.01E-04---5.83E-04	3.079E-01	3.082E-01	3.095E-01	3.118E-01	3.152E-01	3.194E-01	3.245E-01	3.304E-01	3.369E-01
2.90E-05---1.01E-04	1.376E-02	1.377E-02	1.383E-02	1.393E-02	1.407E-02	1.425E-02	1.446E-02	1.471E-02	1.478E-02
1.07E-05---2.90E-05	4.113E-02	4.117E-02	4.133E-02	4.162E-02	4.203E-02	4.255E-02	4.318E-02	4.390E-02	4.668E-02
3.06E-06---1.07E-05	1.132E-03	1.133E-03	1.137E-03	1.150E-03	1.169E-03	1.186E-03	1.205E-03	1.226E-03	1.226E-03
1.12E-06---3.06E-06	3.093E-03	3.093E-03	3.105E-03	3.125E-03	3.154E-03	3.191E-03	3.234E-03	3.285E-03	3.339E-03
4.14E-07---1.12E-06	6.882E-03	6.888E-03	6.912E-03	6.956E-03	7.019E-03	7.098E-03	7.193E-03	7.301E-03	7.419E-03
0.0	-4.14E-07	1.020E-04	1.021E-04	1.024E-04	1.030E-04	1.039E-04	1.050E-04	1.076E-04	1.092E-04
ENERGY GROUP (MEV)	ANGLE 10 MU= 0.0950	ANGLE 11 MU= 0.2816	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9894	SCALAR FLUX
1.22E 01---1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01---1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00---1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00---8.19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E 00---6.36E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.07E 00---4.97E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.01E 00---4.07E 00	6.298E-04	1.441E-03	2.430E-03	4.302E-03	7.929E-03	1.403E-02	3.474E-02	7.499E-02	3.577E-02
2.46E 00---3.01E 00	3.879E-03	5.228E-03	7.518E-03	1.145E-02	1.822E-02	2.385E-02	4.174E-02	6.945E-02	1.450E-01
2.35E 00---2.46E 00	9.769E-03	1.301E-02	2.101E-02	2.665E-02	3.471E-02	4.678E-02	6.622E-02	1.71E-02	2.450E-01
1.83E 30---2.35E 00	1.412E-02	2.725E-02	4.531E-02	5.080E-02	5.733E-02	6.489E-02	7.336E-02	8.197E-02	5.995E-02
1.11E 00---1.83E 00	1.958E-02	4.079E-02	8.041E-02	9.045E-02	9.595E-02	1.015E-01	1.066E-01	1.108E-01	1.335E-01
5.50E-01---1.11E 00	4.079E-02	8.522E-02	6.428E-01	6.612E-01	6.781E-01	6.926E-01	7.035E-01	7.099E-01	7.568E-00
1.11E-01---5.50E-01	8.041E-02	1.11E-01	6.053E-01	5.586E-01	5.709E-01	5.933E-01	6.023E-01	6.127E-01	6.824E-00
3.35E-02---1.11E-01	5.462E-01	3.35E-02	5.83E-01	3.579E-01	3.646E-01	3.706E-01	3.756E-01	3.793E-01	4.295E-01
5.83E-04---3.35E-02	5.462E-01	3.438E-01	5.83E-04	1.556E 02	1.613E 02	1.638E 02	1.668E 02	1.673E 02	1.07E 03
1.01E-04---5.83E-04	2.90E-05	1.01E-04	1.526E 02	4.638E 02	4.723E 02	4.803E 02	4.875E 02	4.934E 02	5.003E 02
1.07E-05---2.90E-05	4.552E-05	1.07E-05	2.90E-05	4.248E 03	4.293E 03	4.334E 03	4.360E 03	4.366E 03	5.688E 03
3.06E-06---1.07E-05	1.248E 03	1.271E 03	3.498E 03	3.516E 03	3.571E 03	3.620E 03	3.690E 03	3.707E 03	5.560E 04
1.12E-06---3.06E-06	3.398E 03	3.457E 03	7.672E 03	7.798E 03	7.916E 03	8.021E 03	8.108E 03	8.172E 03	8.208E 03
6.14E-07---1.12E-06	7.545E 03	7.672E 03	1.143E 04	1.126E 04	1.158E 04	1.172E 04	1.191E 04	1.196E 04	1.386E 05

4 PI R**2 FLUENCE AT 900.0 METERS

2.35 TO 4.065 MEV NEUTRON SOURCE

(NEUTRONS/MEV/STERADIANT/SOURCE NEUTRON)									
ENERGY GROUP (MEV)	ANGLE 1 MU=-1.0000	ANGLE 2 MU=-C.9894	ANGLE 3 MU=-0.9466	ANGLE 4 MU=-0.7550	ANGLE 5 MU=-0.6179	ANGLE 6 MU=-0.4580	ANGLE 7 MU=-0.2816	ANGLE 8 MU=-0.0950	ANGLE 9 MU=0.0950
1.22E 01---1.50E 01	0.0	2.612E-05	2.916E-05	3.340E-05	3.903E-05	4.631E-05	5.590E-05	6.950E-05	9.026E-05
3.01E 00---4.07E 00	0.0	4.448E-04	4.442E-04	4.439E-04	4.469E-04	4.603E-04	4.932E-04	7.100E-04	7.703E-04
2.46E 00---3.01E 00	0.0	8.279E-04	8.589E-04	9.207E-04	9.207E-04	1.018E-03	1.164E-03	1.375E-03	1.679E-03
2.35F 00---2.46E 00	0.0	2.207E-04	2.214E-03	2.251E-03	2.327E-03	2.447E-03	2.626E-03	2.885E-03	3.251E-03
1.83E 00---2.35E 00	0.0	2.205E-03	4.180E-03	4.249E-03	4.360E-03	4.535E-03	4.792E-03	5.145E-03	6.226E-03
1.11E 00---1.83E 00	0.0	4.180E-03	4.193E-03	4.193E-03	4.193E-03	4.193E-03	4.193E-03	5.615E-03	6.226E-03
5.50E-01---1.11E 00	0.0	1.108E-02	1.128E-02	1.128E-02	1.128E-02	1.128E-02	1.128E-02	1.462E-02	1.601E-02
1.11E-01---5.50E-01	0.0	3.072E-02	3.079E-02	3.112E-02	3.172E-02	3.259E-02	3.376E-02	3.522E-02	3.701E-02
3.35E-02---1.11E-01	0.0	2.965E-01	2.985E-01	3.020E-01	3.071E-01	3.137E-01	3.217E-01	3.312E-01	3.418E-01
5.83E-04---3.35E-02	0.0	2.882E-01	2.879E-01	2.897E-01	2.924E-01	2.963E-01	3.012E-01	3.072E-01	3.144E-01
1.01E-04---5.83E-04	0.0	1.885E-01	1.887E-01	1.896E-01	1.913E-01	1.936E-01	1.957E-01	2.009E-01	2.045E-01
2.90E-05---1.01E-04	0.0	8.590E-01	8.600E-01	8.639E-01	8.712E-01	8.814E-01	8.945E-01	9.103E-01	9.235E-01
1.07E-05---2.90E-05	0.0	2.607E-02	2.610E-02	2.621E-02	2.643E-02	2.674E-02	2.713E-02	2.760E-02	2.814E-02
3.04E-06---1.07E-05	0.0	7.303E-02	7.309E-02	7.342E-02	7.401E-02	7.484E-02	7.591E-02	7.719E-02	7.866E-02
1.12E-06---3.06E-06	0.0	2.021E-03	2.024E-03	2.032E-03	2.048E-03	2.071E-03	2.099E-03	2.134E-03	2.174E-03
4.14E-07---1.12E-06	0.0	4.559E-03	4.563E-03	4.582E-03	4.611E-03	4.667E-03	4.730E-03	4.806E-03	4.989E-03
0.0	6.849E-03	6.856E-03	6.884E-03	6.934E-03	7.004E-03	7.091E-03	7.192E-03	7.309E-03	7.437E-03
ENERGY GROUP (MEV)	ANGLE 10 MU= 0.0950	ANGLE 11 MU= 0.2815	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9894	SCALAR FLUX
1.22E 01---1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00F 01---1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00---1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00---8.19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E 00---6.36E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.07E 00---4.97E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.01E 00---4.07E 00	0.0	1.244E-04	1.838E-04	2.913E-04	4.876E-04	8.460E-04	1.509E-03	2.016E-03	2.544E-03
2.35E 00---3.01E 00	0.0	2.446E-04	2.772E-03	3.79E-03	5.466E-03	8.326E-03	1.348E-02	1.522E-02	1.922E-02
1.83E 00---2.35E 00	0.0	4.473E-03	5.457E-03	6.820E-03	8.715E-03	1.138E-02	1.522E-02	2.112E-02	2.705E-02
1.11E 00---1.83E 00	0.0	7.010E-03	8.008E-03	9.207E-03	1.085E-02	1.278E-02	1.506E-02	1.758E-02	1.999E-02
5.50E-01---1.11E 00	0.0	1.776E-02	1.992E-02	2.255E-02	2.570E-02	2.934E-02	3.335E-02	3.737E-02	4.061E-02
1.11E-01---5.50E-01	0.0	4.156E-02	4.432E-02	4.733E-02	5.050E-02	5.367E-02	5.662E-02	6.092E-02	5.275E-01
3.35E-02---1.11E-01	0.0	3.535E-01	3.659E-01	3.785E-01	3.902E-01	4.121E-01	4.194E-01	4.238E-01	4.20E-00
5.83E-04---3.35E-02	0.0	3.302E-01	3.388E-01	3.475E-01	3.557E-01	3.632E-01	3.695E-01	3.742E-01	3.769E-01
1.01E-04---5.83E-04	0.0	2.142E-01	2.194E-01	2.245E-01	2.295E-01	2.339E-01	2.376E-01	2.404E-01	2.420E-01
2.90E-05---1.01E-04	0.0	3.922E-01	9.701E-01	1.014E-02	1.035E-02	1.054E-02	1.070E-02	1.081E-02	1.212E-02
1.07E-05---2.90E-05	0.0	2.938E-02	3.004E-02	3.069E-02	3.131E-02	3.187E-02	3.234E-02	3.288E-02	3.669E-02
3.06E-06---1.07E-05	0.0	8.202E-02	8.381E-02	8.558E-02	8.726E-02	8.876E-02	9.002E-02	9.094E-02	9.147E-02
1.12E-06---3.06E-06	0.0	2.264E-03	2.312E-03	2.359E-03	2.404E-03	2.444E-03	2.478E-03	2.502E-03	2.516E-03
4.14E-07---1.12E-06	0.0	5.091E-03	5.196E-03	5.300E-03	5.398E-03	5.486E-03	5.559E-03	5.612E-03	5.643E-03
0.0	-4.14E-07	7.575F-03	7.718E-03	7.860E-03	7.994E-03	8.112E-03	8.207E-03	8.276E-03	8.315E-03

4 PI ***2 FLUENCE AT 1200.0 METERS

2.35 TO 4.065 MEV NEUTRON SOURCE

(NEUTRONS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=-1.0000	ANGLE 2 MU=-0.9894	ANGLE 3 MU=-0.9446	ANGLE 4 MU=-0.6656	ANGLE 5 MU=0.7550	ANGLE 6 MU=-0.6179	ANGLE 7 MU=-0.4580	ANGLE 8 MU=-0.2816	ANGLE 9 MU=-0.0950
1.22E 01----1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01----1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00----1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.35E 00----8.19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E 00----6.36E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.07E 00----4.97E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.01E 00----4.07E 00	4.443E-06	4.537E-06	4.921E-06	5.597E-06	6.518E-06	7.740E-06	9.389E-06	1.178E-05	1.548E-05
2.46E 00----3.01E 00	7.398E-05	7.459E-05	7.568E-05	7.806E-05	8.345E-05	9.480E-05	1.165E-04	1.547E-04	1.948E-04
2.35E 00----2.46E 00	1.543E-04	1.566E-04	1.680E-04	1.887E-04	2.193E-04	2.628E-04	3.234E-04	4.083E-04	5.290E-04
1.83E 00----2.35E 00	5.775E-04	5.805E-04	5.925E-04	6.164E-04	6.524E-04	7.075E-04	7.836E-04	8.902E-04	1.038E-03
1.11E 00----1.83E 00	1.220E-03	1.222E-03	1.240E-03	1.274E-03	1.404E-03	1.510E-03	1.652E-03	1.837E-03	2.037E-03
5.50E-01----1.11E 00	3.635E-03	3.646E-03	3.704E-03	3.810E-03	3.969E-03	4.191E-03	4.480E-03	4.869E-03	5.358E-03
1.01E-01----5.0E-01	1.138E-02	1.146E-02	1.154E-02	1.177E-02	1.211E-02	1.257E-02	1.314E-02	1.385E-02	1.468E-02
3.3E-02----1.11E-01	1.195E-01	1.197E-01	1.206E-01	1.221E-01	1.243E-01	1.272E-01	1.306E-01	1.347E-01	1.394E-01
5.83E-04----3.35E-02	1.190E-01	1.192E-01	1.199E-01	1.211E-01	1.228E-01	1.250E-01	1.276E-01	1.307E-01	1.342E-01
1.01E-04----5.83E-04	7.945E-00	7.955E-00	7.996E-00	8.072E-00	8.79E-00	8.318E-00	8.484E-00	8.678E-00	8.892E-00
2.99E-05----1.01E-04	3.667E-01	3.677E-01	3.690E-01	3.723E-01	3.771E-01	3.832E-01	3.905E-01	3.990E-01	4.083E-01
1.07E-05----9.0E-05	1.124E-02	1.125E-02	1.131E-02	1.141E-02	1.155E-02	1.173E-02	1.196E-02	1.219E-02	1.249E-02
3.05E-06----1.07E-05	3.185E-02	3.158E-02	3.04E-02	3.232E-02	3.271E-02	3.322E-02	3.384E-02	3.454E-02	3.532E-02
1.12E-06----2.06E-06	8.896E-02	8.906E-02	9.948E-02	9.025E-02	9.133E-02	9.272E-02	9.439E-02	9.631E-02	9.844E-02
4.44E-07----1.12E-06	2.023E-03	2.028E-03	2.035E-03	2.052E-03	2.076E-03	2.107E-03	2.144E-03	2.187E-03	2.234E-03
0.0	-4.14E-07	3.068E-03	3.071E-03	3.110E-03	3.144E-03	3.186E-03	3.237E-03	3.295E-03	3.359E-03
ENERGY GROUP (MEV)	ANGLE 11 MU= 0.0950	ANGLE 12 MU= 0.2816	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9894	SCALAK FLUX	
1.22E 01----1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01----1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00----1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00----8.19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E 00----6.36E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.07E 00----4.97E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.01E 00----4.07E 00	2.160E-05	5.222E-05	8.511E-05	1.456E-04	2.537E-04	4.536E-04	1.001E-03	8.712E-04	
2.46E 00----3.01E 00	2.189E-04	3.545E-04	5.040E-04	8.112E-04	1.356E-03	2.374E-03	4.503E-03	1.272E-02	8.991E-03
2.35E 00----2.46E 00	7.071E-04	9.858E-04	1.451E-03	2.276E-03	3.803E-03	6.931E-03	1.347E-02	1.393E-02	2.680E-02
1.83E 00----2.35E 00	1.245E-03	1.925E-03	2.470E-03	3.224E-03	4.280E-03	5.806E-03	8.233E-03	8.233E-03	2.133E-02
1.11E 00----1.83E 00	2.073E-03	2.753E-03	3.223E-03	3.790E-03	4.444E-03	5.136E-03	5.727E-03	5.727E-03	2.926E-02
5.50E-01----1.11E 00	5.972E-03	6.735E-03	7.668E-03	8.785E-03	1.007E-02	1.149E-02	1.287E-02	1.393E-02	8.154E-02
1.11E-01----5.50E-01	1.656E-02	1.795E-02	1.921E-02	2.048E-02	2.165E-02	2.165E-02	2.261E-02	2.320E-02	1.989E-01
3.35E-02----1.11E-01	1.445E-01	1.554E-01	1.609E-01	1.659E-01	1.702E-01	1.735E-01	1.754E-01	1.780E-01	1.807E-01
5.83E-04----3.35E-02	1.379E-01	1.418E-01	1.457E-01	1.494E-01	1.528E-01	1.557E-01	1.578E-01	1.590E-01	1.722E-01
1.01E-04----5.83E-04	9.122E-00	9.600E-00	9.600E-00	9.828E-00	1.003E-01	1.021E-01	1.034E-01	1.041E-01	1.139E-02
2.90E-05----1.01E-04	4.184E-01	4.288E-01	4.392E-01	4.491E-01	4.575E-01	4.654E-01	4.741E-01	5.225E-02	
1.07E-05----2.90E-05	1.311E-02	1.342E-02	1.372E-02	1.399E-02	1.421E-02	1.457E-02	1.474E-02	1.497E-02	1.598E-03
3.06E-06----1.07E-05	3.616E-02	3.788E-02	3.870E-02	3.943E-02	4.004E-02	4.050E-02	4.076E-02	4.515E-02	
1.12E-06----3.06E-06	1.007E-03	1.031E-03	1.054E-03	1.076E-03	1.122E-03	1.131E-03	1.142E-03	1.151E-03	1.258E-04
4.14E-07----1.12E-06	2.284E-03	2.336E-03	2.388E-03	2.437E-03	2.480E-03	2.517E-03	2.544E-03	2.559E-03	2.853E-04
0.0	-4.14E-07	3.428E-03	3.499E-03	3.570E-03	3.638E-03	3.697E-03	3.746E-03	3.781E-03	4.284E-04

♦ P1 R**2 FLUENCE AT 1500.0 METERS

2.35 TO 4.065 MEV NEUTRON SOURCE

(NEUTRONS/MEV/STERADIAN/SOURCE NEUTRIN)

ENERGY GROUP (MEV)	ANGLE 1 MU=-1.0000	ANGLE 2 MU=-0.9854	ANGLE 3 MU=-0.9446	ANGLE 4 MU=-0.8656	ANGLE 5 MU=-0.7550	ANGLE 6 MU=-0.6179	ANGLE 7 MU=-0.4580	ANGLE 8 MU=-0.2816	ANGLE 9 MU=-0.0950
1.22E 01----1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01----1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00----1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00----8.19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E 00----6.36E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.07E 00----4.97E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.01E 00----4.07E 00	7.046E-07	7.187E-07	7.767E-07	8.795E-07	1.022E-06	1.215E-06	1.479E-06	1.867E-06	2.474E-06
2.46E 00----3.01E 00	1.189E-05	1.215E-05	1.258E-05	1.258E-05	1.439E-05	1.498E-05	1.803E-05	2.369E-05	3.117E-05
2.35E 00----2.46E 00	2.897E-05	2.974E-05	3.289E-05	3.861F-05	4.674E-05	5.801E-05	7.347E-05	9.501E-05	1.254E-04
1.83E 00----2.35E 00	1.229E-04	1.437E-04	1.472E-04	1.540E-04	1.643E-04	1.791E-04	1.996E-04	2.281E-04	2.777E-04
1.11E 00----1.83E 00	3.243E-04	3.253E-04	3.298E-04	3.388E-04	3.530E-04	3.739E-04	4.027E-04	4.411E-04	4.909E-04
5.50F-01----1.11E 00	1.046E-03	1.049E-03	1.066E-03	1.098E-03	1.145E-03	1.211E-03	1.299E-03	1.414E-03	1.561E-03
1.11E-01----5.50E-01	3.558E-03	3.568E-03	3.609E-03	3.685E-03	3.795E-03	3.922E-03	4.129E-03	4.357E-03	4.229E-03
3.35E-02----1.11E-01	3.967E-02	3.974E-02	4.003E-02	4.056E-02	4.131E-02	4.230E-02	4.351E-02	4.493E-02	4.654E-02
5.83E-04----3.35E-02	4.013E-02	4.042E-02	4.018E-02	4.084E-02	4.144E-02	4.222E-02	4.316E-02	4.454E-02	4.547E-02
1.01E-04----5.83E-04	2.713E-00	2.716E-00	2.731E-00	2.758E-00	2.797E-00	2.846E-00	2.906E-00	2.975E-00	3.052E-00
2.90E-05----1.01E-04	1.263E-01	1.264E-01	1.271E-01	1.283E-01	1.300E-01	1.322E-01	1.349E-01	1.379E-01	1.413E-01
1.07E-05----2.90E-05	3.959E-01	3.920E-01	3.923E-01	3.957E-01	4.009E-01	4.076E-01	4.157E-01	4.250E-01	4.353E-01
3.06E-06----1.07E-05	1.113E-02	1.114E-02	1.120E-02	1.130E-02	1.144E-02	1.163E-02	1.186E-02	1.212E-02	1.241E-02
1.12E-06----3.06E-06	3.27E-02	3.130E-02	3.146E-02	3.174E-02	3.214E-02	3.266E-02	3.328E-02	3.398E-02	3.478E-02
4.14E-07----1.12E-06	7.151E-02	7.152E-02	7.194E-02	7.257E-02	7.347E-02	7.463E-02	7.601E-02	7.761E-02	7.938E-02
0.0 -4.14E-07	1.091E-03	1.098E-03	1.107E-03	1.119E-03	1.136E-03	1.155E-03	1.175E-03	1.201E-03	1.240E-03
1.22F 01----1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01----1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00----1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00----8.19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E 00----6.36E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.07E 00----4.97E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.01E 00----4.07E 00	3.481E-06	5.220E-06	8.295E-06	1.373E-05	2.324E-05	3.808E-05	6.893E-05	1.337E-04	1.332E-04
2.46E 00----3.01E 00	4.898E-05	7.506E-05	1.138E-04	1.941E-04	3.275E-04	5.756E-04	1.082E-03	2.075E-03	2.075E-03
2.35E 00----2.46E 00	1.701E-04	2.404E-04	3.605E-04	5.799E-04	1.000E-03	1.851E-03	3.757E-03	1.065E-02	7.048E-03
1.83E 00----2.35E 00	3.227E-04	3.989E-04	5.00E-04	6.478E-04	8.438E-04	1.112E-03	1.480E-03	2.000E-03	3.496E-03
1.11E 00----1.83E 00	6.358E-04	7.375E-04	8.629E-04	1.012E-03	1.182E-03	1.418E-03	1.354E-03	1.494E-03	7.802E-03
5.50E-01----1.11E 00	1.745E-03	1.975E-03	2.256E-03	2.592E-03	2.980E-03	3.400E-03	3.807E-03	4.109E-03	2.288E-02
1.11E-01----5.50E-01	4.944E-03	5.301E-03	5.692E-03	6.107E-03	6.522E-03	6.903E-03	7.212E-03	7.403E-03	6.288E-02
3.35E-02----1.11E 01	4.831E-02	5.015E-02	5.212E-02	5.402E-02	5.577E-02	5.728E-02	5.842E-02	5.908E-02	6.041E-02
5.83E-04----3.35E-02	4.678E-02	4.816E-02	4.95E-02	5.087E-02	5.207E-02	5.308E-02	5.384E-02	5.422E-02	5.842E-02
1.01E-04----5.83E-04	3.135E-00	3.221E-00	3.307E-00	3.389E-00	3.463E-00	3.526E-00	3.572E-00	3.599E-00	3.914E-01
2.90E-05----1.01E-04	1.450E-01	1.488E-01	1.526E-01	1.562F-01	1.621E-01	1.641E-01	1.653E-01	1.810E-02	1.810E-02
1.07E-05----2.90E-05	4.465E-01	4.580E-01	4.694E-01	4.804E-01	4.902E-01	4.985E-01	5.046E-01	5.081E-01	5.574E-02
3.06E-06----1.07E-05	1.272E-02	1.304E-02	1.335E-02	1.366E-02	1.393E-02	1.416E-02	1.433E-02	1.443E-02	1.588E-03
1.12E-06----3.06E-06	3.563E-02	3.650E-02	3.738E-02	3.820E-02	3.895E-02	3.957E-02	4.003E-02	4.029E-02	4.449E-03
4.14E-07----1.12E-06	8.128E-02	8.323E-02	8.517E-02	8.702E-02	8.868E-02	9.006E-02	9.167E-02	9.315E-02	1.015E-04
0.0 -4.14E-07	1.227E-03	1.254E-03	1.281E-03	1.306E-03	1.329E-03	1.348E-03	1.361E-03	1.369E-03	1.533E-04

4 PI R**2 FLUENCE AT 1800.0 METERS

2.35 TO 4.065 MEV NEUTRON SOURCE

(NEUTRONS/MEV/STERADIAN/SOURCE NEUTRON)											
ENERGY GROUP (MEV)	ANGLE 1 MU=0.0000	ANGLE 2 MU=0.9446	ANGLE 3 MU=-0.9446	ANGLE 4 MU=-0.8656	ANGLE 5 MU=-0.7550	ANGLE 6 MU=-0.6179	ANGLE 7 MU=-0.4580	ANGLE 8 MU=-0.2816	ANGLE 9 MU=-0.0950	SCALAR FLUX	MU= 0.9854
1.02E 01----1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01----1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00----1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00----8.19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.57E 00----6.36E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.07E 00----4.97E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.01E 00----4.07E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.46E 00----3.01E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.35E 00----2.46E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.82E 00----2.35E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E 00----1.82E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.50E 00----1.11E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E 01----5.50E 01	0.004E-03	1.004E-03	1.004E-03	1.015E-03	1.031E-03	1.069E-03	1.111E-03	1.165E-03	1.231E-03	1.309E-03	1.377E-07
3.35E 02----1.11E 02	1.164E-02	1.164E-02	1.174E-02	1.191E-02	1.199E-02	1.211E-02	1.230E-02	1.243E-02	1.279E-02	1.321E-02	1.370E-02
5.83E 04----3.35E 02	1.190E-02	1.190E-02	1.191E-02	1.199E-02	1.201E-02	1.203E-02	1.205E-02	1.208E-02	1.215E-02	1.231E-02	1.352E-02
1.01F 04----5.83E 04	8.154E-01	8.154E-01	8.154E-01	8.171E-01	8.254E-01	8.372E-01	8.524E-01	8.708E-01	8.923E-01	9.158E-01	9.158E-01
2.90E 05----1.01E 04	3.774E-04	2.784E-04	2.833E-04	2.915E-04	3.044E-04	3.224E-04	3.463E-04	3.776E-04	4.174E-04	4.256E-04	4.256E-04
1.01E 01----5.50E 01	1.006E-07	1.089E-07	1.097E-06	1.968E-06	2.092E-06	2.314E-06	2.728E-06	3.489E-06	4.832E-06	7.094E-06	7.094E-06
3.01E 00----3.01E 00	1.895E-06	1.895E-06	1.976E-06	9.960E-06	9.960E-06	1.267E-05	1.634E-05	2.193E-05	2.881E-05	2.881E-05	2.881E-05
4.07E 00----4.07E 00	4.678E-04	5.304E-04	5.638E-05	6.593E-05	6.485E-05	7.613E-05	8.798E-05	9.408E-05	9.881E-05	10.613E-05	10.613E-05
5.50E 01----1.11E 01	5.01E-04	5.01E-04	5.01E-04	5.01E-04	5.01E-04	5.01E-04	5.01E-04	5.01E-04	5.01E-04	5.01E-04	5.01E-04
6.36E 00----8.19E 00	3.799E 00	3.804E 00	3.825E 00	3.862E 00	3.915E 00	3.983E 00	4.056E 00	4.160E 00	4.266E 00	4.266E 00	4.266E 00
1.07E 05----2.90E 05	1.177E 01	1.178E 01	1.185E 01	1.196E 01	1.212E 01	1.233E 01	1.255E 01	1.268E 01	1.280E 01	1.309E 01	1.309E 01
3.06E 06----1.07E 05	3.380E 01	3.384E 01	3.402E 01	3.434E 01	3.480E 01	3.539E 01	3.609E 01	3.691E 01	3.782E 01	3.782E 01	3.782E 01
1.12E 06----3.06E 06	9.538E 01	9.549E 01	9.599E 01	9.688E 01	9.814E 01	9.976E 01	1.017E 02	1.040E 02	1.065E 02	1.065E 02	1.065E 02
4.14E 07----1.12E 06	2.192E 02	2.204E 02	2.224E 02	2.252E 02	2.289E 02	2.333E 02	2.383E 02	2.440E 02	2.440E 02	2.440E 02	2.440E 02
0.0	-4.14E-07	3.356E 02	3.360E 02	3.375E 02	3.405E 02	3.446E 02	3.497E 02	3.558E 02	3.627E 02	3.704E 02	3.704E 02
1.22E 01----1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01----1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00----8.19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E 00----6.36E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.07E 00----4.97E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.01E 00----4.07E 00	5.343E-07	8.043E-07	1.278E-06	2.106E-06	3.537E-06	5.979E-06	1.010E-05	1.791E-05	1.970E-05	1.970E-05	1.970E-05
2.46E 00----3.01E 00	0.081E-05	1.693E-05	2.719E-05	4.485E-05	7.613E-05	1.339E-04	2.498E-04	5.098E-04	5.667E-04	5.667E-04	5.667E-04
2.35E 00----2.46E 00	0.099E-05	9.941E-05	1.638E-05	1.416E-05	2.516E-04	4.795E-04	9.974E-04	2.758E-03	1.785E-03	1.785E-03	1.785E-03
1.83E 00----2.35E 00	0.009E-05	9.941E-05	1.620E-04	1.620E-04	2.105E-04	2.753E-04	3.606E-04	4.694E-04	1.355E-03	1.355E-03	1.355E-03
1.11E 00----1.83E 00	1.399E-04	1.603E-04	1.859E-04	2.173E-04	2.543E-04	2.956E-04	3.366E-04	3.679E-04	1.960E-03	1.960E-03	1.960E-03
5.50E 01----1.11E 01	4.678E-04	5.304E-04	5.51E-04	5.91E-04	6.988E-04	8.042E-04	9.179E-04	1.026E-03	1.105E-03	1.105E-03	1.105E-03
1.11E 01----5.50E 01	1.400E-03	1.503E-03	1.616E-03	1.736E-03	1.855E-03	1.965E-03	2.054E-03	2.109E-03	1.781E-02	1.781E-02	1.781E-02
3.35E 02----1.11E 01	1.424E-02	1.481E-02	1.539E-02	1.597E-02	1.695E-02	1.695E-02	1.730E-02	1.730E-02	1.730E-02	1.730E-02	1.730E-02
5.83E 04----3.35E 02	1.393E-02	1.435E-02	1.477E-02	1.517E-02	1.554E-02	1.585E-02	1.608E-02	1.622E-02	1.622E-02	1.622E-02	1.622E-02
1.01E 04----5.83E 04	9.414E-01	9.679E-01	9.946E-01	1.020E 00	1.063E 00	1.102E 00	1.132E 00	1.177E 00	1.217E 00	1.257E 00	1.257E 00
2.90E 05----1.01E 04	4.380E 00	4.497E 00	4.615E 00	4.727E 00	4.828E 00	4.913E 00	4.976E 00	5.012E 00	5.468E 01	5.468E 01	5.468E 01
1.07E 05----2.90E 05	1.355E 01	1.391E 01	1.427E 01	1.461E 01	1.492E 01	1.518E 01	1.537E 01	1.548E 01	1.691E 02	1.691E 02	1.691E 02
3.06E 06----1.07E 05	3.879E 01	3.980E 01	4.081E 01	4.177E 01	4.263E 01	4.335E 01	4.388E 01	4.419E 01	4.843E 02	4.843E 02	4.843E 02
1.12E 06----3.06E 06	1.092E 02	1.119E 02	1.147E 02	1.173E 02	1.197E 02	1.217E 02	1.231E 02	1.240E 02	1.363E 03	1.363E 03	1.363E 03
4.14E 07----1.12E 06	2.500E 02	2.562E 02	2.624E 02	2.689E 02	2.736E 02	2.780E 02	2.831E 02	2.881E 02	3.121E 03	3.121E 03	3.121E 03
0.0	-4.14E-07	3.788E 02	3.874E 02	3.961E 02	4.043E 02	4.116E 02	4.176E 02	4.219E 02	4.244E 02	4.244E 02	4.244E 02
											4.733E 03

4 PI R**2 FLUENCE AT 75.0 METERS

~.35 TO 4.065 MEV NEUTRON SOURCE

1 GAMMAS/MEV/STERADIANT/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=-1.00E0	ANGLE 2 MU=0.9694	ANGLE 3 MU=-0.9446	ANGLE 4 MU=-0.8656	ANGLE 5 MU=-0.7507	ANGLE 6 MU=0.4179	ANGLE 7 MU=0.4580	ANGLE 8 MU=-0.2816	ANGLE 9 MU=-0.0950
8.00E 00---1.00E 01	7.554E-07	7.563E-07	7.595E-07	7.626E-07	7.746E-07	7.861E-07	8.001E-07	8.160E-07	8.335E-07
6.50E 00---8.00E 00	1.559E-06	1.561E-06	1.567E-06	1.580E-06	1.598E-06	1.621E-06	1.650E-06	1.682E-06	1.718E-06
5.00E 00---5.00E 00	1.733E-05	1.735E-05	1.742E-05	1.753E-05	1.775E-05	1.800E-05	1.830E-05	1.865E-05	1.903E-05
4.00E 00---5.00E 00	4.970E-05	4.982E-05	5.005E-05	5.029E-05	5.112E-06	5.195E-06	5.294E-06	5.408E-06	5.532E-06
3.00E 00---6.00E 00	1.604E-05	1.606E-05	1.614E-05	1.627E-05	1.647E-05	1.674E-05	1.707E-05	1.749E-05	1.792E-05
2.50E 00---3.00E 00	5.223E-05	5.253E-05	5.273E-05	5.296E-05	5.926E-05	6.365E-05	6.951E-05	7.743E-05	8.330E-05
2.00E 00---2.50E 00	5.192E-05	5.221E-05	5.278E-05	5.378E-05	6.007E-05	6.667E-05	7.061E-05	7.361E-05	8.168E-05
1.66E 00---2.00E 00	5.893E-06	5.884E-06	6.303E-06	6.387E-06	7.967E-06	8.620E-06	9.492E-06	1.075E-05	1.223E-05
1.33E 00---1.66E 00	9.076E-06	9.014E-06	8.823E-06	8.613E-05	8.609E-06	8.965E-06	9.719E-06	1.082E-05	1.230E-05
1.00E 00---1.33E 00	1.185E-05	1.173E-05	1.133E-05	1.084E-05	1.066E-05	1.103E-05	1.195E-05	1.327E-05	1.490E-05
8.00E-01---1.00E 00	1.343E-05	1.340E-05	1.340E-05	1.350E-05	1.390E-05	1.469E-05	1.585E-05	1.740E-05	1.944E-05
6.00E-01---8.00E-01	1.559E-05	1.582E-05	1.663E-05	1.736E-05	1.946E-05	2.094E-05	2.250E-05	2.450E-05	2.48E-05
4.00E-01---6.00E-01	5.511E-05	5.512E-05	5.612E-05	5.756E-05	6.592E-05	6.221E-05	6.592E-05	7.118E-05	7.344E-05
3.00E-01---4.00E-01	8.264E-05	8.271E-05	8.322E-05	8.497E-05	8.884E-05	9.531E-05	1.041E-04	1.144E-04	1.249E-04
2.00E-01---3.00E-01	2.215E-04	2.219E-04	2.235E-04	2.261E-04	2.289E-04	2.316E-04	2.360E-04	2.365E-04	2.401E-04
1.00E-01---2.00E-01	4.720E-04	4.740E-04	4.740E-04	4.774E-04	4.816E-04	4.876E-04	4.952E-04	5.044E-04	5.153E-04
5.00E-02---1.00E-01	1.049E-03	1.052E-03	1.052E-03	1.056E-03	1.062E-03	1.070E-03	1.079E-03	1.091E-03	1.103E-03
2.00E-02---5.00E-04	2.848E-04	2.848E-04	2.851E-04	2.857E-04	2.864E-04	2.875E-04	2.887E-04	2.916E-04	2.946E-04
ENERGY GROUP (MEV)	ANGLE 11 MU= 0.4580	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9834	SCALAR	FLUX
8.00E 00---1.00E 01	8.520E-07	8.711E-07	8.896E-07	9.055E-07	9.216E-07	9.350E-07	9.436E-07	9.431E-07	1.063E-05
6.50E 00---8.00E 00	1.756E-06	1.794E-06	1.832E-06	1.866E-06	1.897E-06	1.924E-06	1.942E-06	1.941E-06	2.190E-05
5.00E 00---6.50E 00	1.943E-05	1.985E-05	2.025E-05	2.061E-05	2.094E-05	2.123E-05	2.141E-05	2.140E-05	2.252E-04
4.00E 00---5.00E 00	5.665E-06	5.801E-06	5.933E-06	6.054E-06	6.162E-06	6.258E-06	6.319E-06	6.314E-06	7.064E-05
3.00E 00---4.00E 00	1.293E-05	1.422E-05	1.498E-05	1.545E-05	1.740E-05	2.291E-04	3.005E-05	3.005E-05	4.771E-04
2.50E 00---3.00E 00	1.065E-04	1.145E-04	1.1743E-04	1.174E-04	1.774E-04	3.8869E-04	6.257E-04	9.458E-04	1.940E-03
2.00E 00---2.50E 00	1.083E-04	1.455E-04	1.767E-04	1.805E-04	2.337E-04	3.934E-04	6.344E-04	9.559E-04	1.929E-03
1.66E 00---2.00E 00	1.304E-05	1.461E-05	1.694E-05	2.355E-05	3.251E-05	4.409E-05	6.101E-05	8.964E-05	2.170E-04
1.33E 00---1.66E 00	1.461E-05	1.612E-05	1.883E-05	2.666E-05	3.634E-05	4.777E-05	6.189E-05	8.751E-05	2.011E-04
1.00E 00---1.33E 00	2.069E-05	2.466E-05	2.990F-05	4.175E-05	5.762E-05	6.607E-05	6.607E-05	6.041E-05	8.855E-04
8.00E 00---1.00E 00	2.247E-05	2.721E-05	3.261E-05	3.931E-05	5.221E-05	6.733E-05	7.278E-05	8.453E-05	1.339E-04
6.00E 00---8.00E 00	3.211E-05	4.610E-05	5.483E-05	6.720E-05	8.122E-05	8.491E-05	9.17E-05	9.17E-05	4.730E-04
4.00E 00---6.00E 00	8.765E-05	9.882E-05	1.093E-04	1.195E-04	1.361E-04	1.545E-04	1.609E-04	1.310E-04	1.155E-03
3.00E 00---4.00E 00	1.352E-04	1.454E-04	1.538E-04	1.624E-04	1.797E-04	2.000E-04	2.060E-04	2.259E-04	1.671E-03
2.00E 00---3.00E 00	2.000E-04	2.645E-04	2.645E-04	2.747E-04	2.965E-04	3.271E-04	3.416E-04	3.694E-04	3.222E-03
1.00E 00---2.00E 00	5.281E-04	5.591E-04	5.763E-04	5.951E-04	6.151E-04	6.324E-04	6.412E-04	6.633E-04	6.633E-03
5.00E 00---1.00E 00	1.132E-03	1.148E-03	1.162E-03	1.177E-03	1.190E-03	1.200E-03	1.204E-03	1.204E-03	1.402E-02
2.00E 00---5.00E 00	2.933E-04	2.951E-04	2.968E-04	2.985E-04	3.000E-04	3.014E-04	3.023E-04	3.027E-04	3.031E-04

4 PIR**2 FLUENCE AT 150.0 METERS

2.35 TO 4.065 MEV NEUTRON SOURCE

(GAMMAS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=1.0000	ANGLE 2 MU=-0.9894	ANGLE 3 MU=-0.9446	ANGLE 4 MU=-0.8656	ANGLE 5 MU=-0.7550	ANGLE 6 MU=-0.6179	ANGLE 7 MU=-0.4580	ANGLE 8 MU=-0.2816	ANGLE 9 MU=-0.0950
8.00E 00---1.00E 01	2.573E-06	2.578E-06	2.598E-06	2.637E-06	2.694E-06	2.69E-06	2.862E-06	2.97E-06	3.05E-06
6.50E 00---8.00E 00	5.14E-06	5.324E-06	5.65E-06	5.445E-06	5.62E-06	5.716E-06	5.904E-06	6.127E-06	6.379E-06
5.00E 00---6.50E 00	5.927E-05	5.938E-05	5.982E-05	6.068E-05	6.193E-05	6.358E-05	6.560E-05	6.797E-05	7.067E-05
4.00E 00---5.00E 00	1.683E-05	1.687E-05	1.701E-05	1.729E-05	1.770E-05	1.823E-05	1.889E-05	1.967E-05	2.055E-05
3.00E 00---4.00E 00	3.074E-05	3.102E-05	3.147E-05	3.195E-05	3.235E-05	3.295E-05	3.459E-05	3.608E-05	3.785E-05
2.50E 00---3.00E 00	5.755E-05	5.802E-05	5.981E-05	6.300E-05	6.717E-05	7.135E-05	7.698E-05	8.796E-05	1.005E-04
2.00E 00---2.50E 00	5.673E-05	5.745E-05	6.008E-05	6.444E-05	6.951E-05	7.504E-05	8.162E-05	9.054E-05	1.034E-04
1.66E 00---2.00E 00	1.355E-05	1.383E-05	1.481E-05	1.631E-05	1.781E-05	1.912E-05	2.046E-05	2.230E-05	2.505E-05
1.33E 00---1.66E 00	2.124E-05	2.107E-05	2.052E-05	1.997E-05	2.002E-05	2.108E-05	2.317E-05	2.600E-05	2.929E-05
1.00E 00---1.33E 00	2.883E-05	2.843E-05	2.714E-05	2.563E-05	2.514E-05	2.645E-05	2.926E-05	3.291E-05	3.688E-05
8.00E-01---1.00E 00	3.379E-05	3.369E-05	3.347E-05	3.355E-05	3.456E-05	3.45E-05	3.993E-05	4.392E-05	4.895E-05
6.00E-01---8.00E-01	4.111E-05	4.147E-05	4.344E-05	4.712E-05	5.097E-05	5.446E-05	5.794E-05	6.270E-05	7.057E-05
4.00E-01---6.00E-01	1.555E-04	1.561E-04	1.585E-04	1.625E-04	1.679E-04	1.751E-04	1.856E-04	2.010E-04	2.226E-04
3.00E-01---4.00E-01	2.219E-04	2.221E-04	2.234E-04	2.286E-04	2.407E-04	2.611E-04	2.887E-04	3.200E-04	3.508E-04
2.00E-01---3.00E-01	5.971E-04	6.021E-04	6.104E-04	6.182E-04	6.232E-04	6.309E-04	6.368E-04	6.452E-04	6.652E-04
1.00E-01---2.00E-01	1.467E-03	1.469E-03	1.475E-03	1.486E-03	1.503E-03	1.526E-03	1.554E-03	1.589E-03	1.630E-03
5.00E-02---1.00E-01	3.567E-03	3.570E-03	3.589E-03	3.601E-03	3.630E-03	3.668E-03	3.715E-03	3.770E-03	3.833E-03
2.00E-02---5.00E-02	9.953E-04	9.956E-04	9.971E-04	9.998E-04	1.004E-03	1.009E-03	1.015E-03	1.022E-03	1.030E-03
ENERGY GROUP (MEV)	ANGLE 10 MU= 0.0950	ANGLE 11 MU= 0.2816	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9894	SCALAR FLUX
8.00E 00---1.00E 01	3.232E-06	3.376E-06	3.525E-06	3.671E-06	3.803E-06	3.917E-06	4.000E-06	4.043E-06	4.037E-05
6.50E 00---8.00E 00	6.658E-06	6.951E-06	7.253E-06	7.549E-06	7.817E-06	8.049E-06	8.216E-06	8.304E-06	8.316E-05
5.00E 00---6.50E 00	7.363E-05	7.675E-05	7.992E-05	8.309E-05	8.593E-05	8.837E-05	9.014E-05	9.196E-05	9.376E-05
4.00E 00---5.00E 00	4.397E-05	4.363E-05	4.363E-05	4.468E-05	2.563E-05	2.645E-05	2.704E-05	2.736E-05	2.689E-04
3.00E 00---4.00E 00	1.397E-05	3.973E-05	4.565E-05	4.950E-05	5.122E-05	6.442E-05	7.361E-05	1.102E-04	5.341E-04
2.50E 00---3.00E 00	9.48E-05	1.593E-04	1.695E-04	2.453E-04	3.741E-04	5.053E-04	9.327E-04	2.007E-03	2.505E-03
2.00E 00---2.50E 00	9.877E-05	1.640E-04	1.757E-04	2.513E-04	3.848E-04	5.239E-04	9.648E-04	2.034E-03	2.579E-03
1.66E 00---2.00E 00	3.628E-05	2.670E-05	4.939E-05	4.988E-05	7.966E-05	1.184E-04	1.964E-04	3.162E-04	5.661E-04
1.33E 00---1.66E 00	4.195E-05	3.005E-05	5.632E-05	5.854E-05	9.379E-05	1.325E-04	2.016E-04	2.934E-04	6.292E-04
1.00E 00---1.33E 00	4.365E-05	4.759E-05	6.170E-05	1.088E-04	1.554E-04	2.115E-04	2.761E-04	7.517E-04	10.477E-04
8.00E-01---1.00E 00	5.333E-05	6.631E-05	8.571E-05	1.139E-04	1.432E-04	1.900E-04	2.326E-04	2.779E-04	9.594E-04
6.00E-01---8.00E-01	8.534E-05	1.007E-04	1.268E-04	1.585E-04	1.877E-04	2.299E-04	2.671E-04	3.082E-04	1.303E-03
4.00E-01---6.00E-01	2.524E-04	2.804E-04	3.166E-04	3.533E-04	3.841E-04	4.333E-04	4.861E-04	5.590E-04	3.311E-03
3.00E-01---4.00E-01	3.813E-04	4.009E-04	4.277E-04	4.596E-04	4.898E-04	5.654E-04	5.994E-04	6.636E-04	4.645E-03
2.00E-01---3.00E-01	6.643E-04	6.767E-04	7.089E-04	7.539E-04	8.665E-04	9.400E-04	1.039E-03	8.555E-03	1.039E-02
1.00E-01---2.00E-01	1.680E-03	1.725E-03	1.799E-03	1.871E-03	1.947E-03	2.029E-03	2.109E-03	2.136E-03	2.136E-02
5.00E-02---1.00E-01	3.005E-03	3.981E-03	4.063E-03	4.147E-03	4.229E-03	4.405E-03	4.368E-03	4.408E-03	4.07E-02
2.00E-02---5.00E-02	1.039E-03	1.057E-03	1.066E-03	1.075E-03	1.083E-03	1.092E-03	1.092E-03	1.092E-03	1.303E-02

4 PI R**2 FLUENCE A1 200.0 METERS

2.35 TO 4.065 MEV NEUTRON SOURCE

(GAMMAS/NEV/STERADIAN/SOURCE NEUTRON)

ENERGY	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
GROUP (MEV)	MU=-1.0000	MU=0.9446	MU=-0.7550	MU=-0.6179	MU=-0.4580	MU=-0.2816	MU=-0.0950	MU=-0.8556	MU=-0.120E-06
8.00E 00---1.00E 01	4.041E-06	4.091E-06	4.169E-06	4.284E-06	4.437E-06	4.627E-06	4.824E-06	4.855E-06	5.120E-06
6.50E 00---8.00E 00	8.353E-06	8.374E-06	8.455E-06	8.614E-06	8.849E-06	9.160E-06	9.458E-06	1.001E-05	1.055E-05
5.00E 00---6.50E 00	9.333E-05	9.443E-05	9.614E-05	9.867E-05	1.020E-05	1.062E-04	1.111E-04	1.169E-04	1.169E-04
4.00E 00---5.00E 00	2.634E-05	2.641E-05	2.669E-05	2.725E-05	2.806E-05	2.915E-05	3.050E-05	3.222E-05	3.401E-05
3.00E 00---4.00E 00	4.734E-05	4.787E-05	4.887E-05	5.032E-05	5.220E-05	5.454E-05	5.736E-05	6.072E-05	6.072E-05
2.50E 00---3.00E 00	5.663E-05	5.719E-05	5.929E-05	6.289E-05	6.721E-05	7.261E-05	8.813E-05	1.008E-04	1.008E-04
2.00E 00---2.50E 00	5.568E-05	5.630E-05	5.991E-05	6.515E-05	7.079E-05	7.638E-05	8.270E-05	9.448E-05	1.047E-04
1.66E 00---2.00E 00	1.888E-05	1.930E-05	2.078E-05	2.300E-05	2.514E-05	2.695E-05	2.879E-05	3.142E-05	3.546E-05
1.23E 00---1.66E 00	2.925E-05	2.904E-05	2.836E-05	2.773E-05	2.986E-05	3.066E-05	3.312E-05	3.738E-05	4.218E-05
1.00E 00---1.33E 00	4.019E-05	3.962E-05	3.781E-05	3.580E-05	3.551E-05	3.784E-05	4.242E-05	4.804E-05	5.379E-05
8.00E-01---1.00E 00	4.812E-05	4.738E-05	4.766E-05	4.788E-05	4.595E-05	5.314E-05	5.817E-05	6.459E-05	7.144E-05
6.00E-01---8.00E-01	5.906E-05	6.001E-05	6.346E-05	6.887E-05	7.448E-05	7.952E-05	8.453E-05	9.143E-05	1.030E-04
4.00E-01---6.00E-01	2.553E-04	2.632E-04	2.399E-04	2.463E-04	2.656E-04	2.815E-04	3.048E-04	3.374E-04	3.574E-04
3.00E-01---4.00E-01	3.308E-04	3.310E-04	3.406E-04	3.406E-04	3.587E-04	3.892E-04	4.300E-04	4.756E-04	5.198E-04
2.00E-01---3.00E-01	8.698E-04	8.718E-04	8.792E-04	8.908E-04	9.027E-04	9.128E-04	9.210E-04	9.417E-04	9.417E-04
1.00E-01---2.00E-01	2.244E-03	2.247E-03	2.257E-03	2.276E-03	2.306E-03	2.339E-03	2.441E-03	2.508E-03	2.508E-03
5.00E-02---1.00E-01	5.655E-03	5.660E-03	5.679E-03	5.715E-03	5.767E-03	5.834E-03	5.917E-03	6.016E-03	6.129E-03
2.00E-02---5.00E-02	1.596E-03	1.599E-03	1.599E-03	1.604E-03	1.611E-03	1.619E-03	1.630E-03	1.643E-03	1.657E-03
ENERGY	ANGLE 10	ANGLE 11	ANGLE 12	ANGLE 13	ANGLE 14	ANGLE 15	ANGLE 16	ANGLE 17	SCALAR FLUX
GROUP (MEV)	MU= 0.0950	MU= 0.2816	MU= 0.4580	MU= 0.6179	MU= 0.7550	MU= 0.8656	MU= 0.9446	MU= 0.9894	MU= 0.805E-05
8.00E 00---1.00E 01	5.418E-06	5.745E-06	6.088E-06	6.433E-06	6.760E-06	7.259E-06	7.379E-06	7.379E-06	7.379E-06
6.50E 00---8.00E 00	1.116E-05	1.182E-05	1.252E-05	1.322E-05	1.445E-05	1.489E-05	1.513E-05	1.401E-04	1.401E-04
5.00E 00---6.50E 00	1.233E-04	1.304E-04	1.377E-04	1.451E-04	1.521E-04	1.582E-04	1.627E-04	1.658E-04	1.548E-03
4.00E 00---5.00E 00	3.615E-05	3.844E-05	4.096E-05	4.345E-05	4.581E-05	4.767E-05	4.942E-05	5.028E-05	4.543E-04
3.00E 00---4.00E 00	6.255E-04	7.051E-05	7.229E-05	8.111E-05	8.512E-05	9.697E-05	1.135E-04	1.604E-04	8.458E-04
2.50E 00---3.00E 00	1.305E-04	1.393E-04	1.490E-04	2.306E-04	3.486E-04	5.546E-04	1.011E-03	2.347E-03	2.625E-03
2.00E 00---2.50E 00	1.357E-04	1.399E-04	1.932F-04	2.396E-04	3.628E-04	5.806E-04	1.058E-03	2.386E-03	2.727E-03
1.66E 00---2.00E 00	3.717E-05	5.166E-05	5.515E-05	7.694E-05	1.032E-04	1.684E-04	2.797E-04	4.772E-04	7.859E-04
1.33E 00---1.66E 00	4.298E-05	5.914E-05	6.381E-05	9.238E-05	1.244E-04	1.919E-04	2.882E-04	4.394E-04	8.846E-04
1.00E 00---1.33E 00	5.921E-05	7.122E-05	8.713E-05	1.186E-04	1.626E-04	2.269E-04	3.082E-04	4.092E-04	1.080E-03
8.00E-01---1.00E 00	8.048E-05	9.899E-05	1.232E-04	1.631E-04	2.111E-04	2.731E-04	3.387E-04	4.071E-04	1.390E-03
6.00E-01---8.00E-01	1.206E-04	1.848E-04	1.848E-04	2.300E-04	2.776E-04	3.312E-04	4.478E-04	5.871E-04	1.898E-03
4.00E-01---6.00E-01	3.773E-04	4.268E-04	4.740E-04	5.246E-04	5.733E-04	6.327E-04	7.088E-04	8.127E-04	9.960E-03
2.00E-01---4.00E-01	5.566E-04	6.240E-04	6.661E-04	7.159E-04	7.831E-04	8.605E-04	9.480E-04	10.818E-03	10.818E-03
2.00E-01---3.00E-01	9.582E-04	9.938E-04	1.030E-03	1.087E-03	1.150E-03	1.236E-03	1.337E-03	1.443E-03	1.257E-02
1.00E-01---2.00E-01	2.585E-03	2.675E-03	2.775E-03	2.887E-03	3.008E-03	3.134E-03	3.258E-03	3.359E-03	3.286E-02
5.00E-02---1.00E-01	5.255E-03	6.399E-03	6.539E-03	6.690E-03	6.838E-03	7.090E-03	7.165E-03	7.863E-03	7.863E-02
2.00E-02---5.00E-02	1.672E-03	1.706E-03	1.722E-03	1.738E-03	1.751E-03	1.761E-03	1.776E-03	1.788E-03	2.099E-02

4 PI FLUENCE AT 300.0 METERS

2.35 TO 4.065 MEV NEUTRON SOURCE

(GAMMAS/MEV/STERADIANSOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
8.00E 00---1.00E 01	6.856E-06	MU=0.9894	MU=0.9446	MU=0.8656	MU=0.7530	MU=0.6179	MU=-0.4580	MU=-0.2816	MU=-0.0550
6.50E 00---8.00E 00	1.418E-05	6.879E-06	6.970E-06	7.150E-06	7.418E-06	7.778E-06	8.239E-06	8.811E-06	9.501E-06
5.00E 00---6.50E 00	1.595E-04	1.423E-05	1.442E-05	1.479E-05	1.533E-05	1.607E-05	1.701E-05	1.818E-05	1.958E-05
4.00E 00---5.00E 00	4.366E-05	4.452E-05	4.518E-05	4.647E-05	4.837E-05	5.093E-05	5.421E-05	5.821E-05	2.168E-04
3.00E 00---4.00E 00	7.855E-05	7.914E-05	8.02E-05	8.247E-05	8.566E-05	8.990E-05	9.530E-05	1.02E-04	6.321E-05
2.50E 00---3.00E 00	5.226E-05	5.471E-05	5.631E-05	6.250E-05	6.857E-05	6.853E-05	7.479E-05	9.609E-05	9.344E-05
2.00E 00---2.50E 00	5.107E-05	5.222E-05	5.347E-05	5.475E-05	5.805E-05	6.095E-05	7.393E-05	7.968E-05	8.812E-05
1.66E 00---2.00E 00	2.84E-05	2.905E-05	3.13E-05	3.475E-05	3.805E-05	4.095E-05	4.414E-05	4.884E-05	5.601E-05
1.33E 00---1.66E 00	4.207E-05	4.227E-05	4.15E-05	4.139E-05	4.279E-05	4.641E-05	5.225E-05	5.912E-05	6.814E-05
1.00E 00---1.33E 00	5.872E-05	5.802E-05	5.58E-05	5.386E-05	5.483E-05	5.990E-05	6.840E-05	7.844E-05	8.863E-05
8.00E-01---1.00E 00	7.12E-05	7.298E-05	7.28E-05	7.34E-05	7.778E-05	8.482E-05	9.440E-05	1.056E-04	1.187E-04
6.00E-01---8.00E-01	9.424E-05	9.569E-05	9.01E-04	1.09E-04	1.189E-04	1.280E-04	1.377E-04	1.510E-04	1.717E-04
4.00E-01---6.00E-01	3.591E-04	3.73E-04	4.062E-04	4.185E-04	4.347E-04	4.560E-04	4.856E-04	5.274E-04	5.834E-04
3.00E-01---4.00E-01	5.535E-04	5.542E-04	5.59E-04	5.740E-04	6.054E-04	6.354E-04	7.204E-04	7.917E-04	8.595E-04
2.00E-01---3.00E-01	1.422E-03	1.425E-03	1.433E-03	1.453E-03	1.471E-03	1.487E-03	1.501E-03	1.516E-03	1.538E-03
1.00E-01---2.00E-01	3.85E-03	3.833E-03	3.83E-03	3.888E-03	3.939E-03	4.090E-03	4.192E-03	4.312E-03	4.312E-03
5.00E-02---1.00E-01	1.006E-02	1.011E-02	1.018E-02	1.029E-02	1.043E-02	1.060E-02	1.080E-02	1.103E-02	1.103E-02
2.00E-02---5.00E-02	2.880E-03	2.888E-03	2.88E-03	2.895E-03	2.926E-03	2.948E-03	2.973E-03	3.001E-03	3.001E-03
ENERGY GROUP (MEV)	ANGLE 10	ANGLE 11	ANGLE 12	ANGLE 13	ANGLE 14	ANGLE 15	ANGLE 16	ANGLE 17	SCALAR FLUX
8.00E 00---1.00E 01	1.031E-05	MU= 0.2816	MU= 0.4580	MU= 0.6179	MU= 0.7550	MU= 0.9446	MU= 0.8656	MU= 0.9894	MU= 0.9894
6.50E 00---8.00E 00	2.343E-05	1.125E-05	1.224E-05	1.339E-05	1.551E-05	1.631E-05	1.719E-05	1.822E-04	1.822E-04
5.00E 00---6.50E 00	6.906E-05	2.544E-04	2.763E-04	2.974E-05	2.970E-05	3.175E-05	3.338E-05	3.436E-05	3.436E-05
4.00E 00---5.00E 00	3.00E 00---4.00E 00	1.307E-04	1.363E-04	1.444E-04	1.573E-04	1.730E-04	1.946E-04	2.128E-04	2.994E-03
2.50E 00---3.00E 00	1.114E-04	1.409E-04	1.711E-04	2.279E-04	3.162E-04	5.073E-04	9.864E-04	2.150E-04	8.879E-04
2.00E 00---2.50E 00	1.66E 00---2.00E 00	1.187E-04	1.504E-04	1.824E-04	2.404E-04	3.305E-04	5.449E-04	1.057E-03	2.559E-03
1.33E 00---1.66E 00	8.907E-05	7.882E-05	7.93E-05	7.938E-05	7.938E-05	7.938E-05	7.938E-05	7.938E-05	7.938E-05
1.00E 00---1.33E 00	1.02E-04	1.161E-04	1.444E-04	1.900E-04	2.587E-04	3.518E-04	4.730E-04	6.259E-04	1.721E-03
8.00E-01---1.00E 00	1.365E-04	1.627E-04	2.04E-04	2.639E-04	3.408E-04	4.288E-04	5.227E-04	6.183E-04	2.236E-03
6.00E-01---8.00E-01	2.039E-04	3.066E-04	3.733E-04	4.466E-04	5.212E-04	5.977E-04	6.781E-04	7.874E-04	3.074E-03
4.00E-01---6.00E-01	6.557E-04	7.286E-04	8.067E-04	8.802E-04	9.524E-04	1.031E-03	1.132E-03	1.266E-03	6.360E-03
3.00E-01---4.00E-01	9.188E-04	9.686E-04	1.02E-03	1.078E-03	1.152E-03	1.240E-03	1.339E-03	1.411E-03	1.411E-03
2.00E-01---3.00E-01	1.572E-03	1.617E-03	1.688E-03	1.754E-03	1.843E-03	1.945E-03	2.064E-03	2.198E-03	2.034E-02
1.00E-01---2.00E-01	4.450E-03	4.605E-03	4.777E-03	4.963E-03	5.159E-03	5.357E-03	5.543E-03	5.689E-03	5.633E-02
5.00E-02---1.00E-01	1.128E-02	1.156E-02	1.185E-02	1.215E-02	1.271E-02	1.293E-02	1.307E-02	1.417E-01	1.417E-01
2.00E-02---5.00E-02	3.032E-03	3.065E-03	3.098E-03	3.130E-03	3.160E-03	3.186E-03	3.205E-03	3.217E-03	3.804E-02

4 PI R**2 FLUENCE AT 400.0 METERS

2.35 TO 4.065 MEV NEUTRON SOURCE

(GAMMAS/MEV/STERADIANSOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
8.00E 00----1.00E 01	MU=-0.9394	MU=-0.9446	MU=-0.8656	MU=-0.7550	MU=-0.6179	MU=-0.4580	MU=-0.2816	MU=-0.0950	MU=-0.317E-05
8.50E 00----8.00E 00	8.819E-06	8.855E-06	8.957E-06	9.278E-06	9.697E-06	1.020E-05	1.07E-05	1.19E-05	2.713E-05
6.50E 00----6.50E 00	1.823E-05	1.823E-05	1.862E-05	1.920E-05	2.006E-05	2.123E-05	2.276E-05	2.471E-04	3.002E-04
5.00E 00----5.00E 00	2.051E-04	2.059E-04	2.090E-04	2.153E-04	2.245E-04	2.372E-04	2.536E-04	2.744E-04	8.777E-05
4.00E 00----4.00E 00	5.670E-05	5.655E-05	5.799E-05	6.002E-05	6.302E-05	6.709E-05	7.241E-05	7.922E-05	1.16E-04
3.00E 00----3.00E 00	1.013E-04	1.030E-04	1.064E-04	1.113E-04	1.180E-04	1.267E-04	1.378E-04	1.516E-04	1.61E-04
2.50E 00----3.00E 00	4.575E-05	4.643E-05	4.826E-05	5.306E-05	5.770E-05	6.278E-05	6.903E-05	7.786E-05	9.02E-05
2.00E 00----2.50E 00	4.604E-05	4.722E-05	5.147E-05	5.778E-05	6.381E-05	6.905E-05	7.479E-05	8.359E-05	9.788E-05
1.50E 00----2.00E 00	3.454E-05	3.801E-05	4.520E-05	5.013E-05	5.281E-05	5.824E-05	6.515E-05	7.322E-05	8.95E-05
1.33E 00----1.66E 00	4.965E-05	4.955E-05	4.944E-05	4.944E-05	5.671E-05	6.848E-05	7.633E-05	8.854E-05	1.187E-04
1.00E 00----1.33E 00	6.23E-05	6.859E-05	6.676E-05	6.571E-05	7.97E-05	9.797E-05	1.087E-04	1.232E-04	1.405E-04
8.00E-01----1.00E 00	8.919E-05	8.865E-05	8.911E-05	9.163E-05	9.163E-05	9.163E-05	9.163E-05	1.610E-04	2.037E-04
6.00E-01----8.00E-01	1.188E-04	1.206E-04	1.227E-04	1.386E-04	1.515E-04	1.655E-04	1.818E-04	2.037E-04	2.357E-04
4.00E-01----6.00E-01	5.244E-04	5.321E-04	5.429E-04	5.621E-04	5.880E-04	6.224E-04	6.687E-04	7.310E-04	8.113E-04
3.00E-01----4.00E-01	7.417E-04	7.437E-04	7.537E-04	7.788E-04	8.247E-04	8.932E-04	9.791E-04	1.076E-03	1.160E-03
2.00E-01----3.00E-01	1.915E-03	1.918E-03	1.930E-03	1.950E-03	1.972E-03	1.992E-03	2.012E-03	2.036E-03	2.069E-03
1.00E-01----2.00E-01	5.229E-03	5.263E-03	5.316E-03	5.316E-03	5.391E-02	5.491E-03	5.614E-03	5.762E-03	5.934E-03
5.00E-02----1.00E-01	1.407E-02	1.408E-02	1.414E-02	1.425E-02	1.442E-02	1.463E-02	1.488E-02	1.519E-02	1.554E-02
2.00E-02----5.00E-02	4.057E-03	4.059E-03	4.067E-03	4.082E-03	4.103E-03	4.130E-03	4.162E-03	4.200E-03	4.243E-03
ENERGY GROUP (MEV)	ANGLE 10	ANGLE 11	ANGLE 12	ANGLE 13	ANGLE 14	ANGLE 15	ANGLE 16	ANGLE 17	SCALAR FLUX
8.00E 00----1.00E 01	MU= 0.0950	MU= 0.2836	MU= 0.4580	MU= 0.6179	MU= 0.7550	MU= 0.8656	MU= 0.9446	MU= 0.9894	1.934E-04
6.50E 00----8.00E 00	1.463E-05	1.639E-05	1.844E-05	2.075E-05	2.320E-05	2.558E-05	2.759E-05	2.885E-05	3.973E-04
5.00E 00----6.50E 00	3.010E-05	3.266E-05	3.781E-05	4.247F-05	4.741E-05	5.220E-05	5.622E-05	5.875E-05	6.281E-04
4.00E 00----5.00E 00	9.332E-06	3.316E-04	4.126E-04	4.611E-04	5.122E-04	5.615E-04	6.028E-04	6.281E-04	6.556E-03
3.00E 00----4.00E 00	1.111E-04	1.211E-04	1.261E-04	1.311E-04	1.612E-04	1.789E-04	1.937E-04	1.937E-04	1.310E-03
2.50E 00----3.00E 00	1.093E-04	1.236E-04	1.675E-04	2.403E-04	2.699E-04	3.013E-04	3.374E-04	4.053E-04	2.255E-03
2.00E 00----2.50E 00	1.459E-04	1.813E-04	2.313E-04	2.155E-04	2.964E-04	4.574E-04	8.738E-04	2.342E-03	2.528E-03
1.66E 00----2.00E 00	8.769E-05	1.056E-04	1.271E-04	1.573E-04	2.102E-04	3.113F-04	5.093E-04	8.857E-04	1.557E-03
1.33E 00----1.66E 00	1.047E-04	1.239E-04	1.510E-04	1.936E-04	2.613E-04	3.696E-04	5.436E-04	8.210E-04	1.808E-03
1.00E 00----1.33E 00	1.365E-04	1.621E-04	2.006E-04	2.609E-04	3.464E-04	4.585E-04	7.715E-04	2.273E-03	2.975F-03
8.00E 00----1.00E 00	1.877E-04	2.265E-04	2.830E-04	3.605E-04	4.560E-04	5.516E-04	6.672E-04	7.687E-04	4.105E-03
6.00E 00----8.00E 01	2.815E-04	3.454E-04	4.155E-04	5.057E-04	5.956E-04	6.835E-04	7.666E-04	8.477E-04	1.48E-02
4.00E 00----6.00E 01	9.069E-04	1.011E-03	1.114E-03	1.211E-03	1.393E-04	5.018E-04	9.589E-04	1.506E-03	1.639E-03
3.00E 00----4.00E 01	1.239E-03	1.306E-03	1.374E-03	1.451E-03	1.542E-04	1.543E-03	1.746E-03	1.839E-03	1.501E-03
2.00E 00----3.00E 01	2.116E-03	2.179E-03	2.258E-03	2.350E-03	2.451E-03	2.562E-03	2.678E-03	2.779E-03	2.720E-02
1.00E 00----2.00E 01	6.130E-03	6.347E-03	6.532E-03	6.831E-03	7.083E-03	7.329F-03	7.547E-03	7.707E-03	7.734E-02
5.00E 00----6.00E 01	1.592E-02	1.624E-02	1.677E-02	1.721E-02	1.763E-02	1.831E-02	1.883E-02	1.998E-01	1.98E-01
2.00E 00----5.00E 02	4.289E-03	4.337E-03	4.395E-03	4.432E-03	4.475E-03	4.512E-03	4.556E-03	4.577E-03	4.577E-02

4 PI R**2 FLUENCE AT 500.0 METERS

2.35 TO 4.065 MEV NEUTRON SOURCE

(GAMMAS/MEV/STERADIANS/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
8.00E 00---1.00E 01	9.629E-06	9.673E-06	9.851E-06	1.020E-05	1.073E-05	1.145E-05	1.242E-05	1.368E-05	1.530E-05
6.-5.00E 00---8.00E 00	1.994E-05	2.003E-05	2.040E-05	2.112E-05	2.220E-05	2.369E-05	2.566E-05	2.923E-05	3.152E-05
5.00E 00---6.50E 00	2.244E-04	2.254E-04	2.294E-04	2.372E-04	2.488E-04	2.649E-04	2.860E-04	3.135E-04	3.485E-04
4.00E 00---5.00E 00	6.150E-05	6.183E-05	6.317E-05	6.576E-05	6.955E-05	7.472E-05	8.156E-05	9.044E-05	1.022E-04
3.00E 00---4.00E 00	1.103E-04	1.125E-04	1.167E-04	1.229E-04	1.313E-04	1.425E-04	1.570E-04	1.758E-04	1.950E-04
2.50E 00---3.00E 00	3.967E-05	4.032E-05	4.183E-05	4.582E-05	5.174E-05	5.745E-05	6.263E-05	6.866E-05	8.522E-05
2.00E 00---2.50E 00	4.073E-05	4.307E-05	4.733E-05	4.011E-05	4.440E-05	4.898E-05	5.388E-05	6.021E-05	7.813E-05
1.66E 00---2.00E 00	3.657E-05	5.132E-05	5.131E-05	5.57E-05	5.296E-05	5.662E-05	6.340E-05	7.359E-05	8.389E-05
1.33E 00---1.66E 00	7.108E-05	7.157E-05	6.983E-05	6.989E-05	7.624E-05	8.419E-05	9.921E-05	1.037E-05	1.037E-04
1.00E 00---1.33E 00	7.157E-05	9.351E-05	9.468E-05	9.860E-05	1.071E-04	1.209E-04	1.396E-04	1.627E-04	1.910E-04
8.00E -01---1.00E 00	9.351E-05	9.287E-04	1.307E-04	1.384E-04	1.515E-04	1.675E-04	1.862E-04	2.092E-04	2.842E-04
6.00E -01---8.00E-01	6.087E-04	6.122E-04	6.263E-04	6.520E-04	6.876E-04	7.353E-04	7.986E-04	8.812E-04	9.842E-04
4.00E -01---6.00E-01	8.638E-04	8.674E-04	8.840E-04	9.206E-04	9.815E-04	1.067E-03	1.171E-03	1.288E-03	1.386E-03
3.00E -01---4.00E-01	2.289E-03	2.292E-03	2.305E-03	2.325E-03	2.367E-03	2.370E-03	2.395E-03	2.455E-03	2.468E-03
2.00E -01---3.00E-01	6.282E-03	6.282E-03	6.318E-03	6.386E-03	6.618E-03	6.918E-03	7.180E-03	7.493E-03	7.863E-03
1.00E -01---2.00E-01	6.713E-02	7.175E-02	7.740E-02	1.767E-02	1.789E-02	1.823E-02	1.863E-02	1.908E-02	1.950E-02
5.00E -02---1.00E-01	1.717E-02	1.715E-02	1.715E-02	1.715E-02	5.011E-03	5.039E-03	5.074E-03	5.117E-03	5.166E-03
2.00E -02---5.00E-02	4.982E-03	4.979E-03	4.992E-03	4.992E-03	5.011E-03	5.039E-03	5.074E-03	5.117E-03	5.221E-03
ENERGY GROUP (MEV)	ANGLE 10	ANGLE 11	ANGLE 12	ANGLE 13	ANGLE 14	ANGLE 15	ANGLE 16	ANGLE 17	SCALAR FLUX
8.00E 00---1.00E 01	1.736E-05	1.993E-05	2.309E-05	2.684E-05	3.105E-05	3.539E-05	3.926E-05	4.182E-05	2.391E-04
6.50E 00---8.00E 00	3.69E-05	4.090E-05	4.727E-05	5.481E-05	6.327E-05	7.196E-05	8.478E-05	9.902E-05	4.902E-04
5.00E 00---6.50E 00	9.925E-04	4.472E-04	5.135E-04	5.913E-04	6.779E-04	7.664E-04	8.444E-04	8.955E-04	5.346E-03
4.00E 00---5.00E 00	1.171E-04	1.360E-04	1.593E-04	1.872E-04	2.187E-04	2.512E-04	2.802E-04	2.992E-04	1.634E-03
3.00E 00---4.00E 00	1.996E-04	2.294E-04	2.598E-04	3.090E-04	3.577E-04	4.096E-04	4.632E-04	5.391E-04	2.765E-03
2.50E 00---3.00E 00	1.302E-04	1.644E-04	2.121E-04	2.868E-04	4.262E-04	7.709E-04	2.096E-03	2.176E-03	2.176E-03
2.00E 00---2.50E 00	1.044E-04	1.302E-04	1.812E-04	2.313E-04	3.132E-04	4.744E-04	6.612E-04	2.126E-03	2.376E-03
1.-6.66E 00---2.00E 00	1.031E-04	1.271E-04	1.566E-04	1.967E-04	2.592E-04	3.691E-04	5.737E-04	9.581E-04	1.813E-03
1.-3.33E 00---1.66E 00	1.242E-04	1.875E-04	2.411E-04	3.206E-04	4.396E-04	6.211E-04	9.020E-04	2.123E-03	2.141E-03
1.00E 00---1.33E 00	1.639E-04	2.986E-04	2.97E-04	3.235E-04	4.227E-04	5.461E-04	6.923E-04	8.633E-04	2.692E-03
8.00E -01---1.00E 00	2.280E-04	2.793E-04	3.505E-04	4.432E-04	5.527E-04	6.682E-04	7.771E-04	8.778E-04	3.538E-03
6.00E -01---8.00E-01	3.443E-04	4.217E-04	6.149E-04	5.138E-04	7.170E-04	8.124E-04	9.697E-04	4.891E-03	1.926E-03
4.00E -01---6.00E-01	1.104E-03	1.232E-03	1.358E-03	1.676E-03	1.581E-03	1.690E-03	1.803E-03	1.903E-03	1.384E-03
3.00E -01---4.00E-01	1.481E-03	1.566E-03	1.652E-03	1.745E-03	1.850E-03	1.959E-03	2.060E-03	2.141E-03	1.793E-02
2.00E -01---3.00E-01	2.528E-03	2.606E-03	2.700E-03	2.806E-03	2.919E-03	3.034E-03	3.145E-03	3.211E-03	3.240E-02
1.00E -01---2.00E-01	7.427E-03	7.699E-03	8.289E-03	8.586E-03	8.864E-03	9.100E-03	9.201E-03	9.350E-03	9.501E-02
5.00E -02---1.00E-01	1.958E-02	2.032E-02	2.123E-02	2.223E-02	2.260E-02	2.282E-02	2.323E-02	2.455E-02	2.455E-02
2.00E -02---5.00E-02	5.280E-03	5.342E-03	5.403E-03	5.463E-03	5.517E-03	5.562E-03	5.596E-03	5.616E-03	6.616E-02

4 PI R**2 FLUENCE AT 600.0 METERS

2.35 TO 4.065 MEV NEUTRON SOURCE

(GAMMAS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU= 0.0950	ANGLE 2 MU=-0.9894	ANGLE 3 MU=-0.9446	ANGLE 4 MU=0.8656	ANGLE 5 MU=-0.7550	ANGLE 6 MU=0.6179	ANGLE 7 MU=-0.4580	ANGLE 8 MU=-0.2816	ANGLE 9 MU=-0.0950
8.00E 00---1.00E 01	9.40E-06	9.456E-06	9.649E-06	1.003E-05	1.060E-05	1.139E-05	1.246E-05	1.388E-05	1.576E-05
6.50E 00---8.00E 00	1.948E-05	1.958E-05	1.998E-05	2.077E-05	2.194E-05	2.356E-05	2.575E-05	2.864E-05	3.245E-05
5.00E 00---6.50E 00	2.197E-04	2.207E-04	2.251E-04	2.336E-04	2.462E-04	2.637E-04	2.871E-04	3.180E-04	3.555E-04
4.00E 00---5.00E 00	5.964E-05	6.153E-05	6.447E-05	6.863E-05	7.426E-05	8.180E-05	9.192E-05	1.055E-05	1.055E-04
3.00E 00---4.00E 00	1.069E-04	1.075E-04	1.100E-04	1.146E-04	1.213E-04	1.305E-04	1.428E-04	1.592E-04	1.808E-04
2.50E 00---3.00E 00	3.340E-05	3.400E-05	3.624E-05	3.987E-05	4.405E-05	4.885E-05	5.510E-05	6.431E-05	7.812E-05
2.00E 00---2.50E 00	3.502E-05	3.599E-05	3.995E-05	4.471E-05	5.009E-05	5.649E-05	6.411E-05	7.099E-05	8.693E-05
1.66E 00---2.00E 00	3.517E-05	3.584E-05	3.838E-05	4.240E-05	4.696E-05	5.229E-05	5.954E-05	6.627E-05	8.666E-05
1.33E 00---1.66E 00	4.859E-05	4.855E-05	4.905E-05	5.072E-05	5.484E-05	6.227E-05	7.348E-05	8.864E-05	1.081E-04
1.00E 00---1.33E 00	6.754E-05	6.719E-05	6.645E-05	6.735E-05	7.265E-05	8.270E-05	9.270E-05	1.002E-04	1.212E-04
8.00E-01---1.00E 00	8.898E-05	8.929E-05	9.103E-05	9.597E-05	1.057E-04	1.213E-04	1.428E-04	1.703E-04	2.056E-04
6.00E-01---8.00E-01	1.253E-04	1.274E-04	1.355E-04	1.496E-04	1.675E-04	1.896E-04	2.181E-04	2.573E-04	3.177E-04
4.00E-01---6.00E-01	6.318E-04	6.359E-04	6.523E-04	6.828E-04	7.262E-04	7.852E-04	8.629E-04	9.084E-04	1.084E-03
3.00E-01---4.00E-01	9.161E-04	9.393E-04	9.873E-04	9.873E-04	1.062E-03	1.162E-03	1.280E-03	1.403E-03	1.521E-03
2.00E-01---3.00E-01	2.515E-03	2.518E-03	2.530E-03	2.548E-03	2.568E-03	2.591E-03	2.617E-03	2.652E-03	2.702E-03
1.00E-01---2.00E-01	6.885E-03	6.938E-03	7.019E-03	7.133E-03	7.284E-03	7.471E-03	7.693E-03	7.950E-03	8.239E-03
5.00E-02---1.00E-01	1.908E-02	1.920E-02	1.962E-02	1.962E-02	2.036E-02	2.036E-02	2.139E-02	2.139E-02	2.139E-02
2.00E-02---5.00E-02	5.576E-03	5.588E-03	5.611E-03	5.643E-03	5.685E-03	5.736E-03	5.794E-03	5.859E-03	5.859E-03
ENERGY GROUP (MEV)	ANGLE 10 MU= 0.0950	ANGLE 11 MU= 0.2816	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9894	SCALAR FLUX
8.00E 00---1.00E 01	1.821E-05	2.140E-05	2.544E-05	3.669E-05	4.336E-05	4.964E-05	5.403E-05	5.637E-04	
6.50E 00---8.00E 00	3.743E-05	4.338E-05	5.211E-05	6.237E-05	7.454E-05	8.782E-05	1.003E-04	1.090E-04	
5.00E 00---6.50E 00	4.109E-04	4.782E-04	5.634E-04	6.684E-04	7.917E-04	9.217E-04	1.049E-03	1.136E-03	5.865E-03
4.00E 00---5.00E 00	1.234E-04	1.470E-04	1.775E-04	2.160E-04	2.620E-04	3.126E-04	3.601E-04	3.922E-04	1.822E-03
3.00E 00---4.00E 00	2.094E-04	2.463E-04	2.934E-04	3.518E-04	4.210E-04	4.972E-04	5.740E-04	6.611E-04	3.036E-03
2.50E 00---3.00E 00	9.792E-05	1.250E-04	1.612E-04	2.111E-04	2.851E-04	4.113E-04	6.963E-04	7.761E-03	2.021E-03
2.00E 00---2.50E 00	1.102E-04	1.409E-04	1.805E-04	2.232E-04	3.147E-04	4.614E-04	7.858E-04	1.821E-03	2.633E-03
1.66E 00---2.00E 00	1.097E-04	1.351E-04	1.765E-04	2.267E-04	3.000E-04	4.113E-04	6.182E-04	9.800E-04	1.964E-03
1.33E 00---1.66E 00	1.333E-04	1.668E-04	2.131E-04	2.779E-04	3.685E-04	4.925E-04	6.753E-04	9.384E-04	2.314E-03
1.00E 00---1.33E 00	1.784E-04	2.225E-04	2.852E-04	3.715E-04	4.818E-04	6.124E-04	7.580E-04	9.163E-04	2.949E-03
8.00E-01---1.00E 00	2.518E-04	3.150E-04	3.996E-04	5.048E-04	6.245E-04	7.556E-04	8.535E-04	9.396E-04	3.886E-03
6.00E-01---8.00E-01	3.844E-04	4.753E-04	5.806E-04	6.930E-04	8.034E-04	9.028E-04	9.851E-04	1.049E-03	5.376E-03
4.00E-01---6.00E-01	6.00E-01	7.223E-03	1.369E-03	1.647E-03	2.177E-03	2.627E-03	3.111E-03	3.533E-03	4.533E-03
3.00E-01---4.00E-01	1.628E-03	1.727E-03	1.861E-03	2.048E-03	2.163E-03	2.262E-03	2.333E-03	2.333E-03	2.333E-03
2.00E-01---3.00E-01	2.00E-01	2.00E-01							
1.00E-01---2.00E-01	8.238E-03	8.553E-03	8.886E-03	9.226E-03	9.557E-03	9.960E-03	1.011E-02	1.027E-02	1.036E-01
5.00E-02---1.00E-01	2.197E-02	2.260E-02	2.326E-02	2.451E-02	2.505E-02	2.571E-02	2.571E-02	2.573E-01	2.753E-01
2.00E-02---5.00E-02	5.928E-03	6.001E-03	6.073E-03	6.142E-03	6.204E-03	6.257E-03	6.296E-03	6.319E-03	7.428E-02

4 PI 9**2 FLUENCE AT 900.0 METERS

2.35 TO 4.065 MEV NEUTRON SOURCE

(GAMMAS/MEV/STERADIAN/²/CIRCLE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 $\mu = -1.0000$	ANGLE 2 $\mu = -0.9894$	ANGLE 3 $\mu' = -0.8656$	ANGLE 4 $\mu'' = -0.7550$	ANGLE 5 $\mu = -0.6179$	ANGLE 6 $\mu = -0.4580$	ANGLE 7 $\mu = -0.2816$	ANGLE 8 $\mu = -0.0950$	ANGLE 9 $\mu = -0.0950$
8.00E 00---1.00E 01	5.782E-06	5.820E-06	5.972E-06	6.263E-06	6.591E-06	7.290E-06	8.121E-06	9.279E-06	1.090E-05
6.50E 00---8.00E 00	1.195E-05	1.202E-05	1.236E-05	1.299E-05	1.388E-05	1.511E-05	1.679E-05	1.913E-05	2.243E-05
5.00E 00---6.50E 00	1.354E-04	1.362E-04	1.398E-04	1.464E-04	1.560E-04	1.692E-04	1.873E-04	2.124E-04	2.472E-04
4.00E 00---5.00E 00	3.522E-05	3.566E-05	3.738E-05	4.021E-05	4.363E-05	4.775E-05	5.327E-05	6.134E-05	7.329E-05
3.00E 00---4.00E 00	6.475E-05	6.534E-05	6.762E-05	7.163E-05	7.688E-05	8.37E-05	9.305E-05	1.063E-04	1.254E-04
2.50E 00---3.00E 00	1.613E-05	1.656E-05	1.809E-05	2.049E-05	2.316E-05	2.668E-05	3.059E-05	3.751E-05	4.854E-05
2.00E 00---2.50E 00	1.849E-05	1.894E-05	2.063E-05	2.325E-05	2.618E-05	2.967E-05	3.464E-05	4.273E-05	5.579E-05
1.66E 00---2.00E 00	2.216E-05	2.237E-05	2.327E-05	2.503E-05	2.784E-05	3.222E-05	3.888E-05	4.897E-05	6.418E-05
1.33E 00---1.66E 00	2.994E-05	2.978E-05	2.949E-05	3.011E-05	3.095E-05	3.903E-05	4.903E-05	6.261E-05	8.147E-05
1.00E 00---1.33E 00	4.029E-05	4.007E-05	3.969E-05	4.075E-05	4.541E-05	5.672E-05	6.891E-05	8.933E-05	1.151E-04
9.00E-01---1.00E 00	5.186E-05	5.239E-05	5.478E-05	5.98E-05	6.875E-05	8.224E-05	1.019E-04	1.304E-04	1.718E-04
6.00E-01---8.00E-01	7.557E-05	7.747E-05	8.482E-05	9.740E-05	1.136E-04	1.332E-04	1.666E-04	2.137E-04	2.816E-04
4.00E-01---6.00E-01	4.809E-04	4.846E-04	5.005E-04	5.319E-04	5.801E-04	6.493E-04	7.425E-04	8.606E-04	1.000E-03
3.00E-01---4.00E-01	7.257E-04	7.341E-04	7.696E-04	8.370E-04	9.323E-04	1.051E-03	1.182E-03	1.312E-03	1.631E-03
2.00E-01---3.00E-01	2.387E-03	2.388E-03	2.393E-03	2.400E-03	2.408E-03	2.417E-03	2.432E-03	2.461E-03	2.508E-03
1.00E-01---2.00E-01	6.437E-03	6.496E-03	6.496E-03	6.584E-03	6.710E-03	6.876E-03	7.326E-03	7.610E-03	7.910E-03
5.00E-02---1.00E-01	1.846E-02	1.851E-02	1.862E-02	1.882E-02	1.911E-02	1.948E-02	1.994E-02	2.048E-02	2.110E-02
2.00E-02---5.00E-02	5.488E-03	5.491E-03	5.505E-03	5.531E-03	5.568E-03	5.615E-03	5.672E-03	5.738E-03	5.812E-03
ENERGY GROUP (MEV)	ANGLE 10 $\mu = 0.6950$	ANGLE 11 $\mu = 0.2816$	ANGLE 12 $\mu = 0.4580$	ANGLE 13 $\mu = 0.6179$	ANGLE 14 $\mu = 0.7550$	ANGLE 15 $\mu = 0.8656$	ANGLE 16 $\mu = 0.9446$	ANGLE 17 $\mu = 0.9894$	SCALAR FLUX
8.00E 00---1.00E 01	1.320E-05	1.644E-05	2.117E-05	2.794E-05	3.747E-05	4.995E-05	6.420E-05	7.594E-05	2.321E-04
6.50E 00---8.00E 00	2.707E-05	3.265E-05	4.306E-05	5.653E-05	7.537E-05	9.399E-05	1.277E-05	1.504E-05	4.704E-05
5.00E 00---6.50E 00	2.956E-04	3.634E-04	4.588E-04	5.530E-04	7.774E-04	1.044E-03	1.277E-03	1.490E-03	4.966E-03
4.00E 00---5.00E 00	9.061E-05	1.154E-04	1.514E-04	2.039E-04	2.38E-04	3.774E-04	4.872E-04	5.749E-04	1.663E-03
3.00E 00---4.00E 00	1.523E-04	1.905E-04	2.449E-04	3.226E-04	4.299E-04	5.669E-04	7.175E-04	8.523E-04	2.655E-03
2.50E 00---3.00E 00	6.543E-05	9.059E-05	1.281E-04	1.843E-04	2.673E-04	3.881E-04	5.801E-04	1.112E-03	1.547E-03
2.00E 00---2.50E 00	7.581E-05	1.053E-04	1.482E-04	2.107E-04	3.019E-04	4.357E-04	6.488E-04	1.154E-03	1.740E-03
1.66E 00---2.00E 00	8.694E-05	1.207E-04	1.702E-04	2.410E-04	3.392E-04	4.715E-04	6.478E-04	8.944E-04	1.657E-03
1.32E 00---1.66E 00	1.091E-04	1.507E-04	2.124E-04	2.988E-04	4.115E-04	5.898E-04	7.080E-04	8.884E-04	2.207E-03
1.00E 00---1.33E 00	1.540E-04	2.116E-04	2.935E-04	4.008E-04	5.274E-04	6.617E-04	7.894E-04	8.979E-04	2.831E-03
8.00E 00---1.00E 00	2.310E-04	3.123E-04	4.165E-04	5.384E-04	6.663E-04	7.855E-04	8.775E-04	9.365E-04	3.736E-03
6.00E 00---8.00E 00	3.718E-04	4.809E-04	6.009E-04	7.216E-04	8.326E-04	9.260E-04	9.961E-04	1.040E-03	5.162E-03
4.00E 00---6.00E 00	1.153E-03	1.310E-03	1.461E-03	1.662E-03	1.731E-03	1.851E-03	1.959E-03	2.039E-03	1.414E-02
3.00E 00---4.00E 00	1.538E-03	1.639E-03	1.744E-03	1.857E-03	1.976E-03	2.099E-03	2.179E-03	2.233E-03	1.845E-02
2.00E 00---3.00E 00	2.579E-03	2.673E-03	2.786E-03	2.909E-03	3.034E-03	3.152E-03	3.249E-03	3.312E-03	3.326E-02
1.00E 00---2.00E 00	7.929E-03	8.277E-03	8.644E-03	9.016E-03	9.371E-03	9.636E-03	9.932E-03	1.008E-02	9.961E-02
5.00E 00---2.00E 00	2.177E-02	2.250E-02	2.324E-02	2.398E-02	2.466E-02	2.525E-02	2.570E-02	2.597E-02	2.726E-01
2.00E 00---5.00E 00	5.891E-03	6.055E-03	6.133E-03	6.203E-03	6.261E-03	6.330E-03	6.394E-03	6.454E-03	7.378E-02

4 PI R**2 FLUENCE AT 1200.0 METERS

2.35 TO 4.065 MEV NEUTRON SOURCE

(GAMMAS/MEV/STERADIANSOURCE NEUTRON)

ENERGY	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
GROUP (MEV)	MU=-1.0000	MU=-0.9894	MU=-0.9446	MU=-0.8656	MU=-0.7550	MU=-0.6179	MU=-0.4580	MU=-0.2816	MU=-0.0950
8.00E 00---1.00E 01	2.430F-06	2.452F-06	2.543E-06	2.696E-06	2.907E-06	3.189E-06	3.581E-06	4.156E-06	5.307E-06
6.50E 00---8.00E 00	5.954E-06	5.012E-06	5.355E-06	5.626E-06	6.062E-06	6.396E-06	6.626E-06	6.974E-06	7.408E-05
5.00E 00---6.50E 00	5.688E-05	5.742E-05	5.320E-05	6.794E-05	7.408E-05	8.254E-05	9.488E-05	1.028E-05	1.131E-05
4.00E 00---5.00E 00	1.317E-05	1.364E-05	1.559E-05	1.759E-05	1.958E-05	2.122E-05	2.327E-05	2.701E-05	3.362E-05
3.00E 00---4.00E 00	2.605F-05	2.655E-05	2.838E-05	3.111E-05	3.389E-05	3.684E-05	4.092E-05	4.279E-05	5.765E-05
2.50E 00---3.00E 00	5.580E-06	5.922E-06	6.922E-06	8.375E-06	9.670E-06	1.092E-05	1.279E-05	1.628E-05	2.239E-05
2.00E 00---2.50E 00	7.933E-06	8.043F-06	8.886F-06	9.261E-06	1.038E-06	1.211E-05	1.489E-05	1.938E-05	2.646E-05
1.66E 00---2.00E 00	1.114E-05	1.095E-05	1.040E-05	1.010E-05	1.101E-05	1.358E-05	1.780E-05	2.308E-05	3.208E-05
1.33E 00---1.66E 00	1.460E-05	1.407E-05	1.377E-05	1.305E-05	1.310E-05	1.688E-05	2.460E-05	3.281E-05	4.162E-05
1.00E 00---1.33E 00	1.832E-05	1.798E-05	1.705F-05	1.691E-05	1.924E-05	2.460E-05	4.972E-05	6.822E-05	9.934E-05
8.00E-01---1.00E 00	2.012E-05	2.063E-05	2.271E-05	2.642E-05	3.153E-05	3.870E-05	4.972E-05	6.822E-05	9.934E-05
6.00E-01---8.00E-01	2.902E-05	3.055E-05	3.227E-05	4.487E-05	6.724E-05	8.800E-05	1.205E-04	1.805E-04	2.405E-04
4.00E-01---6.00E-01	6.637E-04	2.753E-04	2.753E-04	2.955E-04	3.298E-04	3.829E-04	4.574E-04	5.532E-04	6.654E-04
3.00E-01---4.00E-01	4.172E-04	4.496E-04	5.098E-04	5.934E-04	6.947E-04	8.008E-04	9.004E-04	9.852E-04	9.852E-04
2.00E-01---3.00E-01	1.661E-03	1.661E-03	1.661E-03	1.6bCE-03	1.656E-03	1.650E-03	1.649E-03	1.649E-03	1.686E-03
1.00E-01---2.00E-01	4.416E-03	4.416E-03	4.416E-03	4.482E-03	4.576E-03	4.700E-03	4.854E-03	5.039E-03	5.253E-03
5.00E-02---1.00E-01	1.292E-02	1.294E-02	1.303E-02	1.318E-02	1.340E-02	1.369E-02	1.404E-02	1.446E-02	1.494E-02
2.00E-02---5.00E-02	3.884E-03	3.886E-03	3.897E-03	3.917E-03	3.945E-03	3.982E-03	4.026E-03	4.078E-03	4.135E-03
ENERGY	ANGLE 10	ANGLE 11	ANGLE 12	ANGLE 13	ANGLE 14	ANGLE 15	ANGLE 16	ANGLE 17	SCALAR FLUX
GROUP (MEV)	MU= 0.0950	MU= C.2816	MU= 0.4580	MU= 0.6179	MU= 0.7550	MU= 0.8656	MU= 0.9446	MU= 0.9894	MU= 0.9894
8.00E 00---1.00E 01	6.284E-06	8.231F-06	1.130E-05	1.633E-05	2.462E-05	3.770E-05	5.730E-05	7.330E-05	1.433E-04
6.50E 00---8.00E 00	1.288E-05	1.680E-05	2.289E-05	3.277E-05	4.899E-05	7.638E-05	1.088E-04	1.424E-04	2.866E-04
5.00E 00---6.50E 00	1.399E-04	1.797E-04	2.003E-04	3.362E-04	4.891E-04	7.221E-04	1.031E-03	1.320E-03	2.913E-03
4.00E 00---5.00E 00	4.393E-05	5.202E-05	8.288E-05	1.227E-04	1.906E-04	2.977E-04	4.385E-04	5.681E-04	1.069E-03
3.00E 00---4.00E 00	7.632E-05	9.632E-05	1.321E-05	1.907E-04	2.856E-04	4.273E-04	6.058E-04	7.120E-04	1.627E-03
2.50E 00---3.00E 00	3.227E-05	4.814E-05	7.486E-05	1.210E-04	1.973E-04	3.130E-04	4.725E-04	7.522E-04	1.027E-03
2.00E 00---2.50E 00	3.795E-05	5.713E-05	8.974E-05	1.440E-04	2.289E-04	3.511E-04	5.143E-04	7.706E-04	1.163E-03
1.66E 00---2.00E 00	4.575E-05	6.970E-05	1.108E-04	1.760E-04	2.703E-04	3.935E-04	5.389E-04	6.968E-04	1.312E-03
1.33E 00---1.66E 00	5.955E-05	9.151E-05	1.450F-04	2.247E-04	3.298E-04	4.515E-04	5.778E-04	6.927E-04	1.563E-03
1.00E 00---1.33E 00	9.063E-05	1.388E-04	2.115E-04	3.081E-04	4.195E-04	5.308E-04	6.231E-04	6.933E-04	2.008E-03
8.00E-01---1.00E 00	1.486E-04	2.193E-04	3.06E-04	4.149E-04	5.195E-04	6.099E-04	6.749E-04	7.105E-04	2.644E-03
6.00E-01---8.00E-01	2.583E-04	3.519E-04	4.515E-04	5.466E-04	6.929E-04	6.954E-04	7.433E-04	7.714E-04	3.639E-03
4.00E-01---6.00E-01	7.851E-04	9.028E-04	1.02E-03	1.110E-03	1.201E-03	1.288E-03	1.367E-03	1.433E-03	9.437E-03
3.00E-01---4.00E-01	1.056E-03	1.122E-03	1.193E-03	1.275E-03	1.364E-03	1.448E-03	1.513E-03	1.550E-03	1.253E-02
2.00E-01---3.00E-01	1.804E-03	1.883E-03	1.975E-03	2.047E-03	2.155E-03	2.168E-03	2.227E-03	2.273E-03	2.008E-02
1.00E-01---2.00E-01	5.761E-03	6.043E-03	6.328E-03	6.602E-03	6.844E-03	7.033E-03	7.146E-03	7.259E-03	6.910E-02
5.00E-02---1.00E-01	1.547E-02	1.663E-02	1.721E-02	1.822E-02	1.857E-02	1.878E-02	1.938E-02	1.978E-02	1.938E-01
2.00E-02---5.00E-02	4.197E-03	4.325E-03	4.386E-03	4.441E-03	4.487E-03	4.521E-03	4.541E-03	4.555E-03	5.255E-02

4 PI R**2 FLUENCE AT 1500.0 METERS

2.35 TO 4.065 MEV NEUTRON SOURCE

(GAMMAS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=-1.0000	ANGLE 2 MU=-0.9894	ANGLE 3 MU=-0.9446	ANGLE 4 MU=-0.6556	ANGLE 5 MU=0.7550	ANGLE 6 MU=-0.6179	ANGLE 7 MU=-0.4580	ANGLE 8 MU=-0.2816	ANGLE 9 MU=-0.0950
8.00E 00---	8.152E-07	8.156E-07	9.426E-07	1.126E-06	1.470E-06	1.813E-06	2.170E-06	2.478E-06	2.798E-06
6.50E 00---	1.574E-06	1.615E-06	1.763E-06	2.171E-06	2.353E-06	2.588E-06	2.998E-06	3.209E-06	3.409E-06
5.00E 00---	1.908E-05	1.908E-05	2.030E-05	2.215E-05	2.408E-05	2.616E-05	2.893E-05	3.349E-05	4.086E-05
4.00E 00---	2.904E-06	3.227E-06	4.737E-06	6.479E-06	7.538E-06	7.780E-06	7.866E-06	8.988E-06	1.203E-05
3.00E 00---	7.960E-06	9.362E-06	1.166E-05	1.243E-05	1.616E-05	1.408E-05	1.659E-05	2.090E-05	2.453E-05
2.50E 00---	1.367E-06	1.367E-06	2.118E-06	3.020E-06	3.565E-06	3.810E-06	4.253E-06	5.620E-06	8.398E-06
2.00E 00---	2.50E 00	3.167E-06	3.138E-06	3.054E-06	3.026E-06	3.271E-06	3.989E-06	5.312E-06	7.316E-06
1.66E 00---	2.00E 00	5.584E-06	5.245E-06	4.129E-06	2.995E-06	4.423E-06	6.855E-06	9.601E-06	1.278E-05
1.33E 00---	1.66E 00	7.638E-06	7.075E-06	5.222E-06	3.400E-06	3.474E-06	5.669E-06	9.108E-06	1.266E-05
1.00E 00---	1.33E 00	7.729E-06	7.346E-06	6.177E-06	5.336E-06	6.212E-06	8.917E-06	1.287E-05	1.790E-05
8.00E-01---	1.00E 00	5.258E-06	5.982E-06	7.277E-06	9.671E-06	1.215E-05	1.489E-05	4.659E-05	6.659E-05
6.00E-01---	8.00E-01	6.644E-06	7.822E-06	1.203E-05	1.743E-05	2.203E-05	2.719E-05	3.731E-05	5.881E-05
4.00E-01---	4.00E-01	1.235E-04	1.284E-04	1.382E-04	1.382E-04	1.574E-04	1.897E-04	2.374E-04	3.001E-04
3.00E-01---	4.00E-01	1.926E-04	1.971E-04	2.201E-04	2.617E-04	3.197E-04	3.890E-04	4.598E-04	5.697E-04
2.00E-01---	2.00E-01	9.709E-04	9.709E-04	9.694E-04	9.653E-04	9.574E-04	9.459E-04	9.360E-04	9.464E-04
1.00E-01---	2.00E-01	2.481E-03	2.508E-03	2.508E-03	2.548E-03	2.604E-03	2.679E-03	2.771E-03	3.010E-03
5.00E-02---	1.00E-01	7.487E-03	7.499E-03	7.549E-03	7.642E-03	7.775E-03	7.951E-03	8.167E-03	8.719E-03
2.00E-02---	5.00E-02	2.267E-03	2.269E-03	2.275E-03	2.287E-03	2.305E-03	2.354E-03	2.386E-03	2.421E-03
ENERGY GROUP (MEV)	ANGLE 10 MU=0.0950	ANGLE 11 MU=0.4580	ANGLE 12 MU=0.3179	ANGLE 13 MU=0.2816	ANGLE 14 MU=0.7550	ANGLE 15 MU=0.8656	ANGLE 16 MU=0.9446	ANGLE 17 MU=0.9894	SCALAR FLUX
8.00E 00---	1.00E 01	2.355E-06	3.214E-06	4.664E-06	7.327E-05	1.2448E-05	3.-857E-05	5.808E-05	7.449E-05
6.50E 00---	8.00E 00	4.836E-06	6.568E-06	9.401E-06	1.4556E-05	2.454E-05	4.329E-05	7.396E-05	1.096E-04
5.00E 00---	6.50E 00	5.221E-05	6.998E-05	9.727E-05	1.461E-04	2.3366E-04	4.000E-04	9.523E-04	1.413E-03
4.00E 00---	5.00E 00	1.705E-05	2.496E-05	5.614E-05	1.003E-04	1.838E-04	3.120E-04	5.771E-04	1.464E-04
3.00E 00---	4.00E 00	2.798E-05	3.812E-05	8.703E-05	1.482E-04	2.549E-04	4.081E-04	8.344E-04	1.981E-04
2.50E 00---	3.00E 00	1.293E-05	2.039E-05	3.651E-05	6.311E-05	1.175E-04	2.082E-04	3.347E-04	5.020E-04
2.00E 00---	2.50E 00	1.507E-05	2.441E-05	7.947E-05	1.415E-04	2.350E-04	3.560E-04	5.10E-04	6.788E-04
1.66E 00---	2.00E 00	1.846E-05	3.112E-05	5.716E-05	1.031E-04	1.731E-04	2.660E-04	3.719E-04	4.714E-04
1.33E 00---	1.66E 00	2.507E-05	4.376E-05	7.979E-05	1.372E-04	2.111E-04	3.026E-04	3.892E-04	4.581E-04
1.00E 00---	1.33E 00	4.260E-05	7.398E-05	1.248E-04	1.941E-04	2.130E-04	3.483E-04	4.073E-04	4.433E-04
8.00E-01---	1.00E 00	7.880E-05	1.275E-04	1.912E-04	2.631E-04	3.324E-04	4.3882E-04	4.240E-04	4.406E-04
6.00E-01---	8.00E-01	1.502E-04	2.147E-04	3.411E-04	3.898E-04	4.267E-04	4.530E-04	4.886E-04	5.143E-04
4.00E-01---	6.00E-01	4.489E-04	5.199E-04	5.815E-04	6.342E-04	6.829E-04	7.320E-04	7.792E-04	8.138E-04
3.00E-01---	4.00E-01	6.371E-04	6.054E-04	6.743E-04	7.216E-04	7.750E-04	8.250E-04	8.619E-04	9.303E-04
2.00E-01---	3.00E-01	9.713E-04	1.010E-03	1.058E-03	1.111E-03	1.165E-03	1.217E-03	1.266E-03	1.277E-03
1.00E-01---	2.00E-01	3.156E-03	3.317E-03	3.487E-03	3.661E-03	3.828E-03	3.976E-03	4.161E-03	3.972E-02
5.00E-02---	1.00E-01	9.046E-03	9.398E-03	9.763E-03	1.013E-02	1.046E-02	1.076E-02	1.111E-02	1.133E-01
2.00E-02---	5.00E-02	2.459E-03	2.499E-03	2.538E-03	2.576E-03	2.610E-03	2.639E-03	2.672E-03	3.079E-02

4 PI R**2 FLUENCE AT 1800.0 METERS

2.35 TO 4.065 MEV NEUTRON SOURCE

(GAMMAS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
8.00E-00---1.00E-01	MU=-1.0000	MU=-0.9646	MU=-0.8656	MU=-0.7550	MU=-0.6179	MU=-0.4580	MU=-0.2816	MU=-0.0950	MU=-0.07
6.50E-00---8.00E-00	2.136E-07	2.517E-07	3.927E-07	6.233E-07	7.072E-07	7.412E-07	7.703E-07	8.798E-07	5.623E-07
5.00E-00---6.50E-00	3.699E-07	4.975E-07	5.924E-06	6.683E-06	7.616E-06	8.110E-06	8.709E-06	1.146E-06	1.266E-05
4.00E-00---5.00E-00	4.998E-06	5.202E-06	4.311E-08	1.011E-06	2.630E-06	2.540E-06	2.126E-06	1.004E-05	1.004E-05
3.00E-00---4.00E-00	-3.122E-07	1.222E-07	2.526E-06	2.519E-06	3.675E-06	4.174E-06	3.996E-06	6.505E-06	6.505E-06
2.50E-00---3.00E-00	-1.755E-07	2.337E-10	4.762E-07	1.022E-06	1.273E-06	1.167E-06	1.117E-06	1.579E-06	2.789E-06
2.00E-00---2.50E-00	1.325E-06	1.265E-06	1.061E-06	8.258E-07	7.824E-07	1.069E-06	1.702E-06	2.547E-06	3.522E-06
1.66E-00---2.00E-00	1.693E-06	1.556E-06	1.544E-06	4.056E-07	3.684E-07	1.098E-06	2.521E-06	3.717E-06	4.423E-06
1.33E-00---1.66E-00	4.156E-06	3.676E-06	1.845E-06	4.273E-07	3.882E-07	1.454E-06	3.539E-06	4.893E-06	5.783E-06
1.00E-00---1.33E-00	3.411E-06	3.089E-06	2.051E-06	1.185E-06	1.506E-06	2.865E-06	4.628E-06	6.401E-06	9.453E-06
8.00E-00---1.00E-00	3.182E-07	6.476E-07	6.763E-06	3.268E-06	4.437E-06	5.140E-06	6.259E-06	9.933E-06	1.933E-05
6.00E-01---8.00E-01	-6.302E-07	2.668E-07	1.064E-06	6.451E-06	8.359E-06	9.670E-06	1.372E-05	2.486E-05	4.672E-05
4.00E-01---6.00E-01	5.424E-05	5.442E-05	5.563E-05	5.559E-05	6.891E-05	8.623E-05	1.132E-04	1.492E-04	1.910E-04
3.00E-01---4.00E-01	8.256E-05	8.558E-05	9.833E-05	1.232E-04	1.579E-04	1.933E-04	2.402E-04	2.980E-04	3.741E-04
2.00E-01---3.00E-01	5.132E-04	5.150E-04	5.118E-04	5.082E-04	5.013E-04	4.919E-04	4.828E-04	4.803E-04	4.803E-04
1.00E-01---2.00E-01	1.274E-03	1.286E-03	1.307E-03	1.337E-03	1.375E-03	1.425E-03	1.483E-03	1.550E-03	1.550E-03
5.00E-02---1.00E-01	3.885E-03	3.891E-03	3.919E-03	3.967E-03	4.038E-03	4.133E-03	4.246E-03	4.363E-03	4.569E-03
2.00E-02---5.00E-02	1.181E-03	1.182E-03	1.185E-03	1.192E-03	1.201E-03	1.213E-03	1.227E-03	1.244E-03	1.263E-03
ENERGY GROUP (MEV)	ANGLE 10	ANGLE 11	ANGLE 12	ANGLE 13	ANGLE 14	ANGLE 15	ANGLE 16	ANGLE 17	SCALAR FLUX
8.00E-00---1.00E-01	MU= 0.0950	MU= 0.2816	MU= 0.5800	MU= 0.6179	MU= 0.7550	MU= 0.8656	MU= 0.9446	MU= 0.9894	3.587E-05
6.50E-00---8.00E-00	1.623E-07	1.080E-06	1.631E-06	2.762E-06	5.343E-06	1.125E-05	2.325E-05	4.053E-05	6.892E-05
5.00E-00---6.50E-00	1.580E-06	2.227E-06	5.411E-06	1.037E-05	2.163E-05	4.376E-05	7.434E-05	7.434E-05	6.224E-04
4.00E-00---5.00E-00	1.688E-05	2.316E-05	3.337E-05	5.326E-05	9.646E-05	1.843E-04	3.644E-04	5.991E-04	8.857E-04
3.00E-00---4.00E-00	6.018E-06	8.706E-06	1.243E-05	2.112E-05	4.457E-05	9.751E-05	1.721E-04	3.038E-04	2.857E-04
2.50E-00---3.00E-00	9.465E-06	1.329E-05	1.946E-05	3.342E-05	6.615E-05	1.324E-04	3.295E-04	3.589E-04	3.925E-04
2.00E-00---2.50E-00	4.598E-06	7.407E-06	1.340E-05	2.815E-05	6.633E-05	1.203E-04	2.083E-04	3.121E-04	3.181E-04
1.66E-00---2.00E-00	5.044E-06	8.699E-06	1.795E-05	3.334E-05	7.654E-05	1.374E-04	2.177E-04	3.517E-04	4.183E-04
1.32E-00---1.66E-00	5.989E-06	1.155E-05	2.572E-05	5.328E-05	9.717E-05	1.566E-04	2.240E-04	2.833E-04	4.183E-04
1.00E-00---1.33E-00	8.590E-06	1.794E-05	3.894E-05	7.339E-05	1.226E-04	1.772E-04	2.287E-04	2.666E-04	4.986E-04
8.00E-00---1.00E-00	3.775E-05	6.509E-05	6.588E-05	1.087E-04	1.568E-04	2.004E-04	2.312E-04	2.472E-04	3.378E-04
6.00E-00---8.00E-01	7.919E-05	1.170E-04	1.563E-04	1.688E-04	2.170E-04	2.877E-04	3.2329E-04	3.381E-04	8.334E-04
4.00E-00---6.00E-01	2.332E-04	2.707E-04	3.007E-04	3.245E-04	3.463E-04	3.702E-04	3.953E-04	4.146E-04	2.653E-03
3.00E-00---4.00E-01	3.128E-04	3.250E-04	3.417E-04	3.659E-04	3.942E-04	4.201E-04	4.575E-04	4.457E-04	3.422E-03
2.00E-00---3.00E-01	4.917E-04	5.108E-04	5.352E-04	5.617E-04	5.888E-04	6.149E-04	6.373E-04	6.519E-04	6.537E-03
1.00E-00---2.00E-01	1.627E-03	1.711E-03	1.801E-03	1.892E-03	1.980E-03	2.058E-03	2.118E-03	2.155E-03	2.047E-02
5.00E-02---1.00E-01	4.715E-03	4.902E-03	5.097E-03	5.229E-03	5.472E-03	5.629E-03	5.748E-03	5.818E-03	5.908E-02
2.00E-02---5.00E-02	1.283E-03	1.304E-03	1.326E-03	1.345E-03	1.364E-03	1.379E-03	1.390E-03	1.397E-03	1.606E-02

4 PI R**2 HENDERSON DOSE (NEUTRONS)
(CH**2 RAD/STERADIAN/SOURCE NEUTRON)

2.350 TO 4.065 MEV NEUTRON SOURCE

COSINE	75.0	100.0	150.0	RANGE (METERS)	200.0	250.0	300.0	400.0
-1.00000E 00	1.193E-10	1.383E-10	1.645E-10	1.784E-10	1.833E-10	1.814E-10	1.641E-10	1.645E-10
-9.69401E-01	1.193E-10	1.383E-10	1.646E-10	1.787E-10	1.835E-10	1.815E-10	1.645E-10	1.645E-10
-9.44575E-01	1.191E-10	1.382E-10	1.648E-10	1.789E-10	1.844E-10	1.824E-10	1.658E-10	1.658E-10
-8.65631E-01	1.189E-10	1.382E-10	1.650E-10	1.807E-10	1.854E-10	1.834E-10	1.686E-10	1.686E-10
-7.55644E-01	1.187E-10	1.387E-10	1.51E-10	1.833E-10	1.898E-10	1.898E-10	1.730E-10	1.730E-10
-6.18761E-01	1.201E-10	1.404E-10	1.702E-10	1.878E-10	1.953E-10	1.953E-10	1.796E-10	1.796E-10
-4.58017E-01	1.226E-10	1.438E-10	1.757E-10	1.949E-10	2.04E-10	2.04E-10	1.890E-10	1.890E-10
-2.81665E-01	1.275E-10	1.501E-10	1.846E-10	2.060E-10	2.162E-10	2.177E-10	2.020E-10	2.020E-10
-9.50125E-02	1.360E-10	1.655E-10	1.985E-10	2.224E-10	2.342E-10	2.342E-10	2.199E-10	2.199E-10
9.50125E-02	1.770E-10	1.959E-10	2.397E-10	2.352E-10	2.476E-10	2.476E-10	2.440E-10	2.440E-10
2.81605E-01	2.043E-10	2.488E-10	2.550E-10	2.913E-10	3.070E-10	2.971E-10	2.784E-10	2.784E-10
4.58017E-01	2.093E-10	2.726E-10	2.908E-10	3.275E-10	3.435E-10	3.555E-10	3.254E-10	3.254E-10
6.17876E-01	2.644E-10	3.127E-10	3.790E-10	4.258E-10	4.426E-10	4.426E-10	3.950E-10	3.950E-10
7.55044E-01	4.501E-10	4.150E-10	5.386E-10	5.592E-10	5.685E-10	5.647E-10	5.007E-10	5.007E-10
8.65631E-01	1.065E-C9	7.647E-10	7.808E-10	8.285E-10	8.249E-10	7.876E-10	6.772E-10	6.772E-10
9.44575E-01	2.578E-C9	2.324E-09	1.709E-09	1.539E-09	1.412E-09	1.294E-09	1.035E-09	1.035E-09
9.83401E-01	1.089E-08	1.848E-08	9.550E-09	7.758E-09	6.211E-09	4.962E-09	3.171E-09	3.171E-09
TOTAL	5.554E-09	5.513E-09	5.543E-09	5.458E-C9	5.269E-09	5.000E-C9	4.262E-09	4.262E-09

COSINE	500.0	600.0	RANGE (METERS)	900.0	1200.C.C	1500.0	1800.0
-1.00000E 00	1.381E-10	1.1C2E-10	4.530E-11	1.518E-11	4.488E-12	1.220E-12	1.220E-12
-9.89401E-01	1.384E-10	1.105E-10	4.543E-11	1.523E-11	4.502E-12	1.224E-12	1.224E-12
-9.44575E-01	1.397E-10	1.156E-10	4.596E-11	1.543E-11	4.562E-12	1.241E-12	1.241E-12
-8.65631E-01	1.424E-10	1.140E-10	4.705E-11	1.580E-11	4.674E-12	1.272E-12	1.272E-12
-7.55644E-01	1.466E-10	1.175E-10	4.867E-11	1.636E-11	4.843E-12	1.318E-12	1.318E-12
-6.18761E-01	1.526E-10	1.226E-10	5.094E-11	1.715E-11	5.077E-12	1.466E-12	1.466E-12
-4.58017E-01	1.611E-10	1.297E-10	5.40E-11	1.819E-11	5.387E-12	1.575E-12	1.575E-12
-2.81665E-01	1.726E-10	1.392E-10	5.80E-11	1.955E-11	5.790E-12	1.714E-12	1.714E-12
-9.50125E-02	1.882E-10	1.518E-10	6.322E-11	2.130E-11	6.3C3E-12	1.889E-12	1.889E-12
9.50125E-02	2.090E-10	1.685E-10	7.098E-11	2.353E-11	6.952E-12	1.889E-12	1.889E-12
2.81605E-01	2.372E-10	1.907E-10	7.887E-11	2.638E-11	7.771E-12	2.109E-12	2.109E-12
4.58017E-01	2.761E-10	2.209E-10	9.037E-11	3.003E-11	8.806E-12	2.377E-12	2.377E-12
6.17876E-01	3.312E-10	2.628E-10	1.057E-10	3.475E-11	1.012E-11	2.733E-12	2.733E-12
7.55644E-01	4.131E-10	3.233E-10	1.266E-10	4.098E-11	1.182E-11	3.158E-12	3.158E-12
8.65631E-01	5.438E-10	4.169E-10	1.566E-10	4.953E-11	1.408E-11	3.725E-12	3.725E-12
9.44575E-01	7.923E-10	5.859E-C9	2.059E-10	6.247E-11	1.735E-11	4.523E-12	4.523E-12
9.83401E-01	2.038E-09	1.317E-09	3.584E-10	9.570E-11	2.470E-11	6.161E-12	6.161E-12
TOTAL	3.447E-C9	2.674E-09	1.043E-09	3.395E-10	9.852E-11	2.646E-11	2.646E-11

4 PI R**2 SNYDFR-NEUFELD DOSE (NEUTRONS)
(C**2 RAD/STERADIAN/SOURCE NEUTRON)

2.350 TO 4.065 MEV NEUTRON SOURCE

COSINE	75.0	100.0	150.0	RANGE (METERS)	200.0	250.0	300.0	400.0
-1.00000E 00	1.707E-10	2.022E-10	2.504E-10	2.623E-10	3.002E-10	3.071E-10	2.952E-10	
-9.89401E-01	1.706E-10	2.021E-10	2.505E-10	2.825E-10	3.006E-10	3.075E-10	2.958E-10	
-9.4475E-01	1.703E-10	2.020E-10	2.509E-10	2.835E-10	3.01E-10	3.081E-10	2.981E-10	
-8.65631E-01	1.700E-10	2.020E-10	2.520E-10	2.857E-10	3.052E-10	3.133E-10	3.027E-10	
-7.55044E-01	1.702E-10	2.028E-10	2.544E-10	2.887E-10	3.106E-10	3.196E-10	3.098E-10	
-6.17876E-01	1.716E-10	2.C71E-10	2.595E-10	2.935E-10	3.191E-10	3.293E-10	3.204E-10	
-4.58017E-01	1.751E-10	2.100E-10	2.670E-10	3.072E-10	3.319E-10	3.434E-10	3.351E-10	
-2.81605E-C1	1.818E-10	2.188E-10	2.799E-10	3.234E-10	3.504E-10	3.634E-10	3.554E-10	
-9.50125E-02	1.933E-10	2.332E-10	2.997E-10	3.477E-10	3.768E-10	3.912E-10	3.827E-10	
9.50125E-02	1.974E-10	2.822E-10	3.587E-10	3.646E-10	3.956E-10	4.342E-10	4.188E-10	
2.81605E-01	2.890E-10	2.980E-10	3.759E-10	4.449E-10	4.814E-10	4.790E-10	4.699E-10	
4.58017E-01	2.901E-10	3.834E-10	4.271E-10	4.929E-10	5.308E-10	5.617E-10	5.373E-10	
6.17876E-01	5.178E-10	4.393E-10	5.456E-10	6.281E-10	6.684E-10	6.359E-10		
7.52044E-01	5.953E-10	5.68CE-10	7.54CE-10	8.042E-10	8.363E-10	8.485E-10	7.822E-10	
8.65631E-01	1.369E-C9	1.C11E-C9	1.C73E-09	1.160E-09	1.178E-09	1.146E-09	1.022E-09	
9.4475E-01	2.988F-C9	3.303E-C9	2.251E-C9	2.075E-09	1.941E-09	1.808E-09	1.499E-09	
9.89401E-01	1.370E-C8	1.371E-C8	1.215E-C8	9.976E-09	8.066E-09	6.514E-09	4.201E-09	
TOTAL	7.300E-C9	7.392E-C9	7.706E-09	7.842E-09	7.809E-09	7.628E-09	6.853E-09	
COSINE	500.0	600.0	900.0	RANGE (METERS)	1200.0	1500.0	1800.0	
-1.00000E 00	2.619E-10	2.196E-10	1.004E-10	3.630E-11	1.131E-11	3.193E-12		
-9.89401E-C1	2.624E-10	2.195E-10	1.006E-10	3.638E-11	1.134E-11	3.201E-12		
-9.4475E-C1	2.647E-10	2.175E-10	1.C17E-10	3.676E-11	1.146E-11	3.234E-12		
-8.65631E-C1	2.692E-10	2.255E-10	1.C36E-10	3.747E-11	1.168E-11	3.296E-12		
-7.55044E-01	2.761E-10	2.315E-10	1.365E-10	3.852E-11	1.201E-11	3.388E-12		
-6.17876E-01	2.861E-10	2.401E-10	1.104E-10	3.998E-11	1.245E-11	3.517E-12		
-4.58017E-01	2.597E-10	2.517E-10	1.159E-10	4.188E-11	1.304E-11	3.676E-12		
-2.81605E-01	3.181E-10	2.671E-10	1.228E-10	4.431E-11	1.378E-11	3.881E-12		
-9.50125E-02	3.423E-10	2.872E-10	1.316E-10	4.737E-11	1.474E-11	4.136E-12		
9.50125E-02	3.743E-10	3.134E-10	1.422E-10	5.114E-11	1.584E-11	4.449E-12		
2.81605E-01	4.167E-10	3.475E-10	1.569E-10	5.593E-11	1.725E-11	4.830E-12		
4.58017E-01	4.740E-10	3.927E-10	1.750E-10	6.185E-11	1.897E-11	5.294E-12		
6.17876E-01	5.534E-10	4.541E-10	1.984E-10	6.930E-11	2.11CE-11	5.858E-12		
7.55044E-01	6.686E-10	5.406E-10	2.294E-10	7.881E-11	2.374E-11	6.548E-12		
8.65631E-01	8.484E-10	6.70CE-10	2.726E-10	9.142E-11	2.714E-11	7.413E-12		
9.4475E-C1	1.182E-09	9.000E-10	3.404E-10	1.098E-10	3.185E-11	8.573E-12		
9.89401E-01	2.808E-C9	1.862E-C9	5.455E-10	1.549E-10	4.193E-11	1.084E-11		
TOTAL	5.805E-C9	4.692E-C9	2.C18E-C9	7.042E-10	2.147E-10	5.975E-11		

^4Pi R**2 TISSUE KERMA (NEUTRONS)
 $\text{IC4**2 ERGS/GRAM/STERADIAN/SOURCE NEUTRON}$

2.350 TO 4.065 MEV NEUTRON SOURCE

COSINE	75.0	100.0	150.0	RANGE (METERS)	250.0	300.0	400.0
-1.00000E 00	1.209E-C8	1.408E-08	1.692E-08	1.857E-C8	1.925E-08	1.924E-08	1.773E-08
-9.89401E-01	1.208E-C8	1.407E-08	1.693E-C8	1.858E-08	1.928E-08	1.927E-08	1.776E-08
-9.44575E-01	1.206E-08	1.407E-08	1.696E-08	1.864E-08	1.937E-08	1.939E-C8	1.791E-08
-8.65631E-01	1.205E-C8	1.407E-08	1.703E-08	1.879E-C8	1.958E-08	1.964E-C8	1.820E-08
-7.55044E-01	1.206E-C8	1.412E-08	1.719E-08	1.9C6E-08	1.995E-08	2.006E-C8	1.867E-08
-6.17876E-01	1.216E-C8	1.429E-08	1.751E-C8	1.951E-08	2.05C-E08	2.070E-C8	1.935E-08
-4.58017E-01	1.241E-C8	1.463E-08	1.806E-08	2.042E-C8	2.136E-08	2.164E-C8	2.032E-08
-2.81605E-01	1.290E-C8	1.526E-08	1.886E-C8	2.136E-08	2.263E-08	2.299E-08	2.167E-08
-9.50125E-02	1.375E-C8	1.630E-08	2.073E-08	2.302E-08	2.446E-08	2.490E-C8	2.352E-08
9.50125E-02	1.787E-08	1.983E-08	2.452E-08	2.43CE-08	2.580E-08	2.788E-C8	2.598E-08
2.81605E-01	2.114E-C8	2.614E-08	2.633E-08	2.673E-08	3.182E-08	3.105E-08	2.949E-08
4.58017E-01	2.106E-C8	2.754E-08	2.960E-08	3.358E-08	3.548E-08	3.694E-C8	3.426E-08
6.17876E-01	2.456E-08	3.153E-08	3.886E-08	4.345E-08	4.544E-08	4.47CE-C8	4.130E-08
7.55044E-01	4.171E-08	5.449E-C8	5.679E-08	5.804E-08	5.797E-08	5.797E-08	5.193E-08
8.65631E-01	1.064E-C7	7.663E-08	7.860E-08	8.373E-08	8.372E-08	8.029E-08	6.964E-08
9.44575E-01	2.324E-C7	1.713E-C7	1.547E-07	1.547E-07	1.424E-07	1.307E-C7	1.054E-07
9.89401E-01	1.088E-C6	1.083E-C6	9.535E-C7	7.769E-07	6.226E-07	4.982E-07	3.194E-07
TOTAL	5.570E-C7	5.543E-07	5.607E-C7	5.558E-C7	5.4C3E-07	5.164E-C7	4.462E-07
COSINE	500.0	600.0	900.0	RANGE (METERS)	120C.0	1500.0	1800.0
-1.00000E 00	1.515E-C8	1.225E-08	5.196E-09	1.778E-09	5.332E-10	1.464E-10	
-9.89401E-01	1.518E-C8	1.228E-08	5.211E-09	1.783E-09	5.348E-10	1.469E-10	
-9.44575E-01	1.533E-C8	1.241E-08	5.272E-09	1.8C5E-09	5.415E-10	1.487E-10	
-8.65631E-01	1.561E-08	1.266E-08	5.379E-C9	1.847E-09	5.541E-10	1.522E-10	
-7.55044E-01	1.605E-08	1.3C4E-08	5.564E-C9	1.909E-09	5.729E-10	1.574E-10	
-6.17876E-01	1.669E-C8	1.358E-08	5.881E-C9	1.995E-09	5.99CE-10	1.646E-10	
-4.58017E-01	1.758E-08	1.433E-08	6.141E-09	2.109E-09	6.332E-10	1.740E-10	
-2.81605E-01	1.533E-C8	6.574E-09	2.257E-09	6.774E-10	6.774E-10	1.860E-10	
-9.50125E-02	2.039E-C8	1.664E-08	7.133E-09	2.446E-09	7.333E-10	2.012E-10	
9.50125E-02	2.255E-C8	1.838E-08	7.850E-C9	2.685E-09	8.034E-10	2.202E-10	
2.81605E-01	2.544E-C8	2.C68E-C8	8.772E-09	2.987E-09	8.912E-10	2.437E-10	
4.58017E-01	2.940E-C8	2.377E-C8	9.969E-09	3.371E-09	1.001E-09	2.725E-10	
6.17876E-01	3.500E-08	2.804E-C8	1.159E-09	3.863E-09	1.139E-09	3.092E-10	
7.55044E-01	4.327E-C8	3.417E-08	1.369E-08	4.506E-09	1.316E-09	3.546E-10	
8.65631E-01	5.642E-08	4.361E-08	1.674E-08	5.381E-09	1.548E-09	4.122E-10	
9.44575E-01	8.135E-C8	6.C59E-C8	2.166E-C8	6.692E-09	1.88CE-09	4.945E-10	
9.89401E-01	2.063E-L7	1.339E-07	3.764E-08	2.0C4E-08	2.621E-09	6.598E-10	
TOTAL	3.655E-C7	2.867E-07	1.149E-07	1.814E-08	1.122E-08	3.043E-09	

⁴ PI R**2 MID-PHANTOM DOSE (NEUTRONS)
(CM**2 RAD/STERADIAN/SOURCE NEUTRON)

2.350 TO 4.065 MEV NEUTRON SOURCE

COSINE	75.0	1CC.0	15C.0	RANGE (METERS)	25C.0	300.0	400.0
-1.00000E 00	3.639E-11	4.086E-11	4.650E-11	4.913E-11	4.974E-11	4.93E-11	4.497E-11
-9.89401E-01	3.638E-11	4.085E-11	4.650E-11	4.916E-11	4.978E-11	4.909E-11	4.504E-11
-9.44575E-01	3.634E-11	4.083E-11	4.655E-11	4.929E-11	4.998E-11	4.934E-11	4.536E-11
-8.65631E-01	3.629E-11	4.083E-11	4.670E-11	4.956E-11	5.042E-11	4.988E-11	4.598E-11
-7.55044E-01	3.634E-11	4.095E-11	4.703E-11	5.016E-11	5.119E-11	5.077E-11	4.698E-11
-6.17876E-01	3.664E-11	4.137E-11	4.778E-11	5.12CE-11	5.245E-11	5.219E-11	4.849E-11
-4.58017E-01	3.739E-11	4.238E-11	4.919E-11	5.298E-11	5.449E-11	5.429E-11	5.071E-11
-2.81650E-01	3.892E-11	4.416E-11	5.163E-11	5.587E-11	5.767E-11	5.768E-11	5.388E-11
-9.50125E-C2	4.164E-11	4.732E-11	5.563E-11	6.039E-11	6.245E-11	6.254E-11	5.838E-11
9.50125E-02	5.655E-11	5.754E-11	6.641E-11	6.484E-11	6.691E-11	7.032E-11	6.467E-11
2.81650E-01	6.341E-11	6.390E-11	7.508E-11	8.01CE-11	8.263E-11	7.966E-11	7.396E-11
4.58017E-01	6.449E-11	8.588E-11	8.415E-11	9.327E-11	9.55CE-11	9.663E-11	8.737E-11
6.17876E-01	8.981E-11	9.802E-11	1.145E-10	1.242E-10	1.258E-10	1.212E-10	1.082E-10
7.55044E-01	1.636E-10	1.385E-10	1.733E-10	1.722E-10	1.77CE-10	1.646E-10	1.417E-10
8.65631E-01	4.100E-10	2.776E-10	2.601E-10	2.679E-10	2.593E-10	2.423E-10	2.008E-10
9.44575E-01	1.028E-C9	8.98CE-10	6.283E-10	5.393E-10	4.786E-10	4.269E-10	3.274E-10
9.89401E-01	4.422E-C9	4.355E-09	3.771E-09	3.019E-09	2.373E-09	1.861E-09	1.147E-09
TOTAL	2.057E-C9	1.964E-C9	1.856E-C9	1.743E-09	1.62CE-09	1.494E-09	1.232E-C9

COSINE	500.0	600.0	900.0	RANGE (METERS)	1200.0	1500.0	1800.0
-1.00000E 00	3.895E-11	3.223E-11	1.48CE-11	5.43CE-12	1.716E-12	4.896E-13	4.896E-13
-9.89401E-01	3.902E-11	3.230E-11	1.484E-11	5.442E-12	1.72CE-12	4.907E-13	4.907E-13
-9.44575E-01	3.934E-11	3.257E-11	1.493E-11	5.493E-12	1.736E-12	4.954E-13	4.954E-13
-8.65631E-01	3.995E-11	3.312E-11	1.524E-11	5.593E-12	1.767E-12	5.045E-13	5.045E-13
-7.55044E-01	4.911E-11	3.395E-11	1.564E-11	5.38E-12	1.812E-12	5.169E-13	5.169E-13
-6.17876E-01	4.231E-11	3.515E-11	1.620E-11	5.38E-12	1.874E-12	5.343E-13	5.343E-13
-5.80177E-01	4.430E-11	3.681E-11	1.694E-11	6.2CE-12	1.955E-12	5.569E-13	5.569E-13
-2.81650E-01	4.708E-11	3.908E-11	1.792E-11	6.411E-12	2.058E-12	5.854E-13	5.854E-13
-9.50125E-02	5.090E-11	4.215E-11	1.920E-11	6.972E-12	2.187E-12	6.209E-13	6.209E-13
9.50125E-02	5.619E-11	4.631E-11	2.08CE-11	7.520E-12	2.348E-12	6.641E-13	6.641E-13
2.81650E-01	6.359E-11	5.202E-11	2.305E-11	8.219E-12	2.55CE-12	7.189E-13	7.189E-13
4.58017E-01	7.425E-11	6.05CE-11	2.594E-11	9.124E-12	2.866E-12	7.865E-13	7.865E-13
6.17876E-01	9.017E-11	7.177E-11	2.996E-11	1.033E-11	3.137E-12	8.723E-13	8.723E-13
7.55044E-01	1.152E-10	8.968E-11	3.574E-11	1.198E-11	3.579E-12	9.846E-13	9.846E-13
8.65631E-C1	1.516E-10	1.192E-10	4.462E-11	1.441E-11	4.206E-12	1.140E-12	1.140E-12
9.44575E-01	2.434E-10	1.763E-10	6.025E-11	1.843E-11	5.2CE-12	1.380E-12	1.380E-12
9.89401E-01	7.128E-10	4.474E-10	1.149E-10	3.002E-11	7.726E-12	1.938E-12	1.938E-12
TOTAL	9.841E-10	7.647E-10	3.112E-10	1.07CE-10	3.257E-11	9.084E-12	

$4\pi R^{**2}$ CONCRÈTE KERMA (NEUTRONS)
 $(CM^2/2 \text{ ERG/GRAM/STERADIANSOURCE NEUTRON})$

2.350 TO 4.665 MEV NEUTRON SOURCE

COSINE	75.0	100.0	150.0	RANGE (METERS)	200.0	250.0	300.0	400.0
-1.00000E 00	1.421E-09	1.656E-09	1.993E-09	2.186E-09	2.265E-09	2.260E-C9	2.073E-09	2.263E-C9
-9.89401E-01	1.421E-09	1.656E-09	1.994E-C9	2.188E-09	2.268E-09	2.267E-C9	2.078E-09	2.267E-C9
-9.44575E-01	1.420E-C9	1.657E-09	1.999E-09	2.198E-09	2.281E-C9	2.308E-09	2.096E-09	2.279E-09
-8.65631E-01	1.421E-C9	1.661E-09	2.011E-09	2.218E-C9	2.311E-C9	2.311E-C9	2.132E-C9	2.311E-C9
-7.55044E-01	1.427E-C9	1.671E-09	2.034E-09	2.237E-09	2.336E-09	2.336E-09	2.188E-09	2.318E-09
-6.17876E-01	1.443E-C9	1.695E-09	2.075E-09	2.310E-09	2.423E-09	2.440E-09	2.270E-09	2.440E-C9
-4.58017E-01	1.477E-09	1.740E-C9	2.145E-09	2.400E-09	2.528E-09	2.554E-C9	2.387E-09	2.554E-C9
-2.81665E-01	1.539E-C9	1.819E-09	2.256E-C9	2.537E-09	2.682E-09	2.718E-C9	2.549E-09	2.718E-C9
-9.50125E-02	1.644E-C9	1.946E-09	2.476E-09	2.737E-09	2.902E-09	2.947E-C9	2.770E-09	2.947E-C9
9.50125E-02	2.151E-09	2.387E-09	2.923E-09	2.896E-C9	3.066E-09	3.305E-C9	3.066E-09	3.305E-C9
2.81665E-01	2.468E-C9	2.546E-09	3.128E-C9	3.576E-09	3.788E-09	3.690E-09	3.488E-09	3.690E-C9
4.58017E-01	2.573E-C9	2.988E-09	3.538E-C9	4.023E-09	4.243E-09	4.045E-09	3.845E-09	4.045E-C9
6.17876E-01	3.310E-C9	3.835E-09	4.683E-09	5.24CE-09	5.461E-09	5.358E-09	4.923E-09	5.358E-C9
7.55044E-01	5.793E-C9	5.167E-09	6.631E-09	6.919E-09	7.04CE-09	7.000E-09	6.229E-09	6.229E-C9
8.65631E-01	1.407E-08	9.841E-09	9.771E-09	1.032E-08	1.026E-08	9.793E-C9	8.421E-09	8.421E-C9
9.44575E-01	3.367E-08	3.047E-08	2.201E-08	1.950E-08	1.775E-08	1.617E-C8	1.288E-08	1.617E-C8
9.89401E-01	1.461E-07	1.441E-07	1.255E-07	1.012E-07	8.024E-08	6.354E-C8	3.998E-08	6.354E-C8
TOTAL	7.169E-08	7.0338E-08	6.991E-08	6.845E-08	6.592E-08	6.253E-08	5.343E-08	5.343E-08
COSINE	50C.C	60C.0	90C.0	RANGE (METERS)	120C.0	150C.0	180C.0	
-1.00000E C0	1.763E-09	1.420E-C9	5.942E-10	2.014E-10	5.995E-11	1.6318E-11	1.6318E-11	
-9.89401E-C1	1.764E-09	1.423E-C9	5.951E-10	2.016E-10	6.013E-11	1.643E-11	1.643E-11	
-9.44575E-C1	1.785E-C9	1.438E-09	6.030E-10	2.045E-10	6.09CE-11	1.664E-11	1.664E-11	
-8.65631E-C1	1.819E-C9	1.468E-09	6.168E-10	2.094E-10	6.237E-11	1.705E-11	1.705E-11	
-7.55044E-C1	1.871E-C9	1.513E-09	6.375E-10	2.167E-10	6.455E-11	1.765E-11	1.765E-11	
-6.17876E-C1	1.948E-C9	1.578E-09	6.666E-10	2.267E-10	6.759E-11	1.848E-11	1.848E-11	
-4.58017E-C1	2.054E-C9	1.666E-09	7.053E-10	2.401E-10	7.159E-11	1.957E-11	1.957E-11	
-2.81665E-C1	2.198E-C9	1.785E-09	7.567E-10	2.575E-10	7.676E-11	2.098E-11	2.098E-11	
-9.50125E-C1	2.390E-C9	1.942E-09	8.228E-10	2.797E-10	8.332E-11	2.276E-11	2.276E-11	
9.50125E-C1	2.648E-09	2.149E-09	9.980E-10	3.080E-10	9.159E-11	2.499E-11	2.499E-11	
2.81665E-C1	2.995E-C9	2.425E-09	1.018E-09	3.438E-10	1.020E-10	2.776E-11	2.776E-11	
4.58017E-C1	3.474E-C9	2.796E-C9	1.161E-09	3.894E-10	1.150E-10	3.121E-11	3.121E-11	
6.17876E-C1	4.152E-09	3.312E-09	1.346E-09	4.480E-10	1.314E-10	3.500E-11	3.500E-11	
7.55044E-C1	5.160E-C9	4.055E-C9	1.606E-09	5.244E-10	1.522E-10	4.086E-11	4.086E-11	
8.65631E-C1	6.773E-C9	5.204E-C9	1.971E-09	6.282E-10	1.796E-10	4.774E-11	4.774E-11	
9.44575E-C1	9.845E-C9	7.277E-09	2.559E-C9	7.827E-10	2.184E-10	5.717E-11	5.717E-11	
9.89401E-C1	2.541E-08	1.629E-C8	4.387E-09	1.171E-C9	3.032E-10	7.587E-11	7.587E-11	
TOTAL	4.339E-08	3.382E-08	1.337E-08	4.394E-09	1.284E-09	3.466E-10	3.466E-10	

${}^4\text{P}1$ $\text{R}**2$ AIR KERNA (NEUTRONS)
(CM**2 ERGS/GRAM/STERADIAN/SOURCE NEUTRON)

2.330 TO 4.065 MEV NEUTRON SOURCE

COSINE	75.0	100.0	150.0	RANGE (METERS)	200.0	250.0	300.0	400.0
-1.0C070E+00	1.525E-09	1.729E-09	1.997E-09	2.129E-09	2.165E-09	2.136E-09	2.103E-09	1.950E-09
-9.89401E-01	1.526E-09	1.730E-09	1.998E-09	2.132E-09	2.168E-09	2.139E-09	2.105E-09	1.954E-09
-9.44575E-01	1.530E-09	1.735E-09	2.004E-09	2.144E-09	2.182E-09	2.155E-09	2.107E-09	1.970E-09
-8.65631E-01	1.538E-09	1.746E-09	2.025E-09	2.166E-09	2.202E-09	2.185E-09	2.002E-09	2.002E-09
-7.55044E-01	1.552E-09	1.765E-09	2.053E-09	2.203E-09	2.252E-09	2.233E-09	2.052E-09	2.052E-09
-6.17876E-01	1.577E-09	1.796E-09	2.099E-09	2.261E-09	2.312E-09	2.305E-09	2.125E-09	2.125E-09
-4.58C17E-01	1.622E-09	1.851E-09	2.173E-09	2.352E-09	2.421E-09	2.411E-09	2.239E-09	2.239E-09
-2.81605E-01	1.701E-09	1.943E-09	2.493E-09	2.491E-09	2.572E-09	2.567E-09	2.378E-09	2.378E-09
-9.50125E-02	1.331E-09	2.093E-09	2.480E-09	2.701E-09	2.792E-09	2.792E-09	2.586E-09	2.586E-09
9.50125E-02	2.519E-09	2.594E-09	2.968E-09	2.911E-09	3.004E-09	3.148E-09	2.875E-09	2.875E-09
2.81605E-01	2.796E-09	2.873E-09	3.594E-09	3.6C3E-09	3.717E-09	3.577E-09	3.301E-09	3.301E-09
4.58017E-01	3.107E-09	3.770E-09	3.743E-09	4.224E-09	4.323E-09	4.362E-09	3.920E-09	3.920E-09
6.17876E-01	4.289E-09	4.493E-09	5.333E-09	5.676E-09	5.736E-09	5.516E-09	4.888E-09	4.888E-09
7.55044E-01	8.20C5E-09	6.553E-09	7.966E-09	7.987E-09	7.851E-09	7.569E-09	6.457E-09	6.457E-09
8.65631E-01	2.152E-08	1.395F-08	1.424E-08	1.265E-08	1.216E-08	1.129E-08	9.237E-09	9.237E-09
9.44575E-01	5.355E-08	4.630E-08	3.522E-08	2.629E-08	2.594E-08	2.018E-08	1.521E-08	1.521E-08
9.89401E-01	2.354E-07	2.285E-07	1.947E-07	1.535E-07	1.186E-07	9.150E-08	5.462E-08	5.462E-08
TOTAL	1.034E-07	9.696E-08	8.945E-08	8.263E-08	7.579E-08	6.911E-08	5.590E-08	5.590E-08

COSINE	500.0	600.0	RANGE (METERS)	900.0	1200.0	1500.0	1800.0
-1.0CC000E+00	1.676E-09	1.375E-09	6.198E-10	2.251E-10	7.033E-11	2.017E-11	2.017E-11
-9.89401E-01	1.679E-09	1.378E-09	6.212E-10	2.262E-10	7.10CE-11	2.022E-11	2.022E-11
-9.44575E-01	1.695E-09	1.391E-09	6.274E-10	2.279E-10	7.17CE-11	2.042E-11	2.042E-11
-8.65631E-01	1.724E-09	1.417E-09	6.393E-10	2.322E-10	7.302E-11	2.079E-11	2.079E-11
-7.55044E-01	1.770E-09	1.455E-09	6.711E-10	2.365E-10	7.498E-11	2.134E-11	2.134E-11
-6.17876E-01	1.836E-09	1.511E-09	6.82CE-10	2.474E-10	7.768E-11	2.209E-11	2.209E-11
-4.58017E-01	1.929E-09	1.588E-09	7.154E-10	2.59CE-10	8.120E-11	2.307E-11	2.307E-11
-2.81605E-01	2.057E-09	1.692E-09	7.596E-10	2.74CE-10	8.573E-11	2.432E-11	2.432E-11
-9.50125E-02	2.233E-09	1.832E-09	8.171E-10	2.933E-10	9.144E-11	2.587E-11	2.587E-11
9.50125E-02	2.476E-09	2.022E-09	8.921E-10	3.179E-10	9.961E-11	2.781E-11	2.781E-11
2.81605E-01	2.815E-09	2.283E-09	9.907E-10	3.493E-10	1.076E-11	3.022E-11	3.022E-11
4.58017E-01	3.305E-09	2.651E-09	1.0123E-09	3.900E-10	1.191E-11	3.323E-11	3.323E-11
6.17876E-01	4.039E-09	3.186E-09	1.304E-09	4.438E-10	1.338E-10	3.702E-11	3.702E-11
7.55044E-01	5.195E-09	4.009E-09	1.563E-09	5.170E-10	1.531E-10	4.190E-11	4.190E-11
8.65631E-01	7.16CE-09	5.358E-09	1.956E-09	6.22CE-10	1.798E-11	4.843E-11	4.843E-11
9.44575E-01	1.113E-08	7.948E-09	2.632E-09	7.898E-10	2.203E-11	5.801E-11	5.801E-11
9.89401E-01	3.302E-08	2.023E-08	4.932E-09	1.252E-09	3.169E-10	7.872E-11	7.872E-11
TOTAL	4.398E-08	3.374E-08	1.338E-08	4.535E-09	1.37CE-09	3.803E-10	3.803E-10

4 PI R**2 IONIZING SILICON KERMA (NEUTRONS)
(CM**2 ERGS/GRAM/STERADIAN/SOURCE NEUTRON)

2.350 TO 4.065 MEV NEUTRON SOURCE

COSINE	75.0	100.0	150.0	RANGE (METERS)	250.0	300.0	400.0
-1.00000E+00	1.136E-10	1.302E-10	1.528E-10	1.644E-10	1.676E-10	1.651E-10	1.484E-10
-9.89401E-01	1.136E-10	1.302E-10	1.529E-10	1.645E-10	1.678E-10	1.653E-10	1.487E-10
-9.44575E-01	1.136E-10	1.302E-10	1.532E-10	1.652E-10	1.688E-10	1.664E-10	1.500E-10
-8.65631E-01	1.136E-10	1.306E-10	1.491E-10	1.666E-10	1.707E-10	1.687E-10	1.526E-10
-7.55634E-01	1.141E-10	1.314E-10	1.558E-10	1.692E-10	1.739E-10	1.724E-10	1.566E-10
-6.17876E-01	1.153E-10	1.331E-10	1.588E-10	1.738E-10	1.79CE-10	1.78CE-10	1.626E-10
-4.58017E-01	1.180E-10	1.366E-10	1.640E-10	1.80DE-10	1.868E-10	1.865E-10	1.712E-10
-2.81603E-01	1.230E-10	1.428E-10	1.725E-10	1.904E-10	1.983E-10	1.987E-10	1.831E-10
-9.50125E-02	1.316E-10	1.530E-10	1.859E-10	2.059E-10	2.151E-10	2.161E-10	1.996E-10
9.50125E-02	1.761E-10	1.873E-10	2.234E-10	2.194E-10	2.290E-10	2.434E-10	2.221E-10
2.81603E-01	1.984E-10	2.034E-10	2.411E-10	2.716E-10	2.839E-10	2.740E-10	2.546E-10
4.58017E-01	2.107E-10	2.679E-10	2.761E-10	3.108E-10	3.228E-10	3.306E-10	2.999E-10
6.17876E-01	2.779E-10	3.103E-10	3.721E-10	4.211E-10	4.211E-10	4.211E-10	3.686E-10
7.55634E-01	5.002E-10	4.301E-10	5.38E-10	5.548E-10	5.561E-10	5.454E-10	4.758E-10
8.65631E-01	1.247E-09	8.511E-10	8.129E-10	8.471E-10	8.304E-10	7.835E-10	6.596E-10
9.44575E-01	3.015E-09	2.710E-09	1.935E-09	1.661E-09	1.489E-09	1.338E-09	1.043E-09
9.89401E-01	1.327E-08	1.305E-08	1.129E-08	9.647E-09	7.119E-09	5.593E-09	3.462E-09
TOTAL	6.256E-09	6.335E-09	5.821E-09	5.565E-09	5.249E-09	4.893E-09	4.068E-09
COSINE	500.0	600.0	900.0	RANGE (METERS)	1200.0	1500.0	1800.0
COSINE	500.0	600.0	900.0	RANGE (METERS)	1200.0	1500.0	1800.0
-1.00000E+00	1.242E-10	9.872E-11	4.015E-11	1.332E-11	3.91CE-12	1.057E-12	
-9.89401E-01	1.245E-10	9.897E-11	4.027E-11	1.337E-11	3.923E-12	1.060E-12	
-9.44575E-01	1.250E-10	1.001E-10	4.078E-11	1.355E-11	3.978E-12	1.075E-12	
-8.65631E-01	1.282E-10	1.022E-10	4.176E-11	1.390E-11	4.081E-12	1.103E-12	
-7.55634E-01	1.320E-10	1.054E-10	4.323E-11	1.441E-11	4.235E-12	1.146E-12	
-6.17876E-01	1.376E-10	1.1C1E-10	4.531E-11	1.513E-11	4.449E-12	1.204E-12	
-4.58017E-01	1.453E-10	1.165E-10	4.811E-11	1.608E-11	4.732E-12	1.281E-12	
-2.81603E-01	1.558E-10	1.252E-10	5.160E-11	1.733E-11	5.100E-12	1.381E-12	
-9.50125E-02	1.701E-10	1.368E-10	5.661E-11	1.893E-11	5.570E-12	1.508E-12	
9.50125E-02	1.894E-10	1.522E-10	6.264E-11	2.098E-11	6.165E-12	1.667E-12	
2.81603E-01	2.158E-10	1.729E-10	7.066E-11	2.360E-11	6.917E-12	1.867E-12	
4.58017E-01	2.529E-10	2.014E-10	8.165E-11	2.697E-11	7.871E-12	2.119E-12	
6.17876E-01	3.065E-10	2.416E-10	9.603E-11	3.136E-11	9.090E-12	2.436E-12	
7.55634E-01	3.879E-10	3.010E-10	1.159E-10	3.721E-11	1.067E-11	2.840E-12	
8.65631E-01	5.215E-10	3.951E-10	1.452E-10	4.537E-11	1.281E-11	3.373E-12	
9.44575E-01	7.830E-10	5.701E-10	1.938E-10	5.802E-11	1.596E-11	4.136E-12	
9.89401E-01	2.164E-09	1.365E-09	3.533E-10	9.173E-11	2.329E-11	5.754E-12	
TOTAL	3.2336E-09	2.482E-09	9.491E-10	3.057E-10	8.809E-11	2.354E-11	

4 PI R**2 NON IONIZING SILICON KERMA (NEUTRONS) (C4**2 ERGS/GRAM/STERADIAN/SOURCE NEUTRON) 2.350 TO 4.065 MEV NEUTRON SOURCE

COSINE	75.0	100.0	150.0	200.0	RANGE (METERS)	250.0	300.0	400.0
-1.00000E+00	1.662E-10	1.936E-10	2.310E-10	2.514E-10	2.586E-10	2.621E-10	2.662E-10	2.325E-10
-9.89401E-01	1.667E-10	1.935E-10	2.310E-10	2.516E-10	2.589E-10	2.666E-10	2.666E-10	2.345E-10
-9.44575E-01	1.663E-10	1.932E-10	2.313E-10	2.524E-10	2.602E-10	2.582E-10	2.616E-10	2.385E-10
-8.65631E-01	1.659E-10	1.931E-10	2.321E-10	2.542E-10	2.629E-10	2.616E-10	2.616E-10	2.447E-10
-7.55445E-01	1.658E-10	1.936E-10	2.341E-10	2.577E-10	2.676E-10	2.672E-10	2.672E-10	2.541E-10
-6.17876E-01	1.670E-10	1.955E-10	2.381E-10	2.637E-10	2.752E-10	2.758E-10	2.758E-10	2.673E-10
-4.58017E-01	1.701E-10	2.000E-10	2.455E-10	2.736E-10	2.869E-10	2.887E-10	2.887E-10	2.858E-10
-2.81605E-01	1.766E-10	2.083E-10	2.576E-10	2.887E-10	3.042E-10	3.072E-10	3.072E-10	2.858E-10
-9.50125E-02	1.879E-10	2.223E-10	2.766E-10	3.113E-10	3.291E-10	3.332E-10	3.332E-10	3.111E-10
9.50125E-02	2.444E-10	2.691E-10	3.338E-10	3.284E-10	3.472E-10	3.742E-10	3.742E-10	3.450E-10
2.81605E-01	2.810E-10	2.876E-10	3.533E-10	4.064E-10	4.301E-10	4.174E-10	4.174E-10	3.931E-10
4.58017E-01	2.847E-10	3.768E-10	4.026E-10	4.547E-10	4.792E-10	4.980E-10	4.980E-10	4.585E-10
6.17876E-01	3.555E-10	4.272E-10	5.194E-10	5.886E-10	6.148E-10	6.032E-10	6.032E-10	5.546E-10
7.55044E-01	5.945E-10	5.595E-10	7.362E-10	7.669E-10	7.837E-10	7.826E-10	7.826E-10	6.991E-10
8.65631E-01	1.011E-09	1.054E-09	1.126E-09	1.082E-09	1.128E-09	1.128E-09	1.128E-09	9.389E-10
9.44575E-01	3.389E-09	3.037E-09	2.260E-09	2.261E-09	1.907E-09	1.757E-09	1.757E-09	1.422E-09
9.89401E-01	1.405E-08	1.477E-08	1.246E-08	1.021E-08	8.236E-09	6.626E-09	4.289E-09	4.289E-09
TOTAL	7.348E-09	7.359E-C9	7.497E-09	7.452E-09	7.25CE-09	6.924E-09	5.954E-09	
COSINE	500.0	600.0	900.0	1200.0	RANGE (METERS)	1500.0	1800.0	
-1.00000E+00	1.949E-10	1.551E-10	6.299E-11	2.085E-11	6.095E-12	1.643E-12	1.643E-12	
-9.89401E-01	1.950E-10	1.555E-10	6.318E-11	2.091E-11	6.115E-12	1.648E-12	1.648E-12	
-9.44575E-01	1.973E-10	1.572E-10	6.398E-11	2.120E-11	6.201E-12	1.672E-12	1.672E-12	
-8.65631E-01	2.012E-10	1.606E-10	6.554E-11	2.17E-11	6.364E-12	1.711E-12	1.711E-12	
-7.55044E-01	2.071E-10	1.657E-10	6.787E-11	2.255E-11	6.607E-12	1.783E-12	1.783E-12	
-6.17876E-01	2.158E-10	1.731E-10	7.117E-11	2.369E-11	6.947E-12	1.876E-12	1.876E-12	
-4.58017E-01	2.279E-10	1.832E-10	7.561E-11	2.520E-11	7.396E-12	1.998E-12	1.998E-12	
-2.81605E-01	2.444E-10	1.962E-10	8.145E-11	2.718E-11	7.980E-12	2.156E-12	2.156E-12	
-9.50125E-02	2.665E-10	2.148E-10	8.904E-11	2.975E-11	8.725E-12	2.357E-12	2.357E-12	
9.50125E-02	2.951E-10	2.387E-10	9.883E-11	3.296E-11	9.668E-12	2.610E-12	2.610E-12	
2.81605E-01	3.358E-10	2.703E-10	1.115E-10	3.768E-11	1.086E-11	2.928E-12	2.928E-12	
4.58017E-01	3.994E-10	3.129E-10	1.280E-10	4.235E-11	1.236E-11	3.326E-12	3.326E-12	
6.17876E-01	4.671E-10	3.716E-10	1.498E-10	4.916E-11	1.427E-11	3.825E-12	3.825E-12	
7.55044E-01	5.801E-10	4.558E-10	1.794E-10	5.808E-11	1.672E-11	4.456E-12	4.456E-12	
8.65631E-01	7.591E-10	5.850E-10	2.217E-10	7.026E-11	1.996E-11	5.276E-12	5.276E-12	
9.44575E-01	1.098E-09	8.17CE-10	2.898E-10	8.860E-11	2.464E-11	6.423E-12	6.423E-12	
9.89401E-01	2.788E-C9	1.818E-C9	5.038E-10	1.357E-10	3.516E-11	8.784E-12	8.784E-12	
TOTAL	4.840E-C9	3.765E-09	1.470E-09	4.764F-10	1.376E-10	3.677E-11	3.677E-11	

4 PI R**2 HENDERSON DOSE (GAMMAS)
(C4**2 RAD/STERADIAN/SOURCE NEUTRON)

2.350 TO 4.065 MEV NEUTRON SOURCE

COSINE	75.0	100.0	150.0	RANGE (METERS)	250.0	300.0	400.0
-1.00000E 00	1.460E-13	2.103E-13	3.626E-13	5.31CE-13	6.989E-13	8.527E-13	1.082E-12
-9.89401E-01	1.465E-13	2.109E-13	3.631E-13	5.328E-13	7.015E-13	8.561E-13	1.087E-12
-9.44575E-01	1.482E-13	2.134E-13	3.681E-13	5.398E-13	7.115E-13	8.692E-13	1.106E-12
-8.65631E-01	1.507E-13	2.180E-13	3.763E-13	5.482E-13	7.302E-13	8.940E-13	1.122E-12
-7.55044E-01	1.563E-13	2.246E-13	3.878E-13	5.710E-13	7.565E-13	9.291E-13	1.194E-12
-6.17876E-01	1.628E-13	2.332E-13	4.022E-13	5.943E-13	7.904E-13	9.750E-13	1.263E-12
-4.58017E-01	1.712E-13	2.443E-13	4.211E-13	6.236E-13	8.333E-13	1.033E-12	1.353E-12
-2.81605E-01	1.823E-13	2.586E-13	4.445E-13	6.602E-13	8.869E-13	1.107E-12	1.468E-12
-9.50125E-02	1.971E-13	2.773E-13	4.733E-13	7.059E-13	9.533E-13	1.198E-12	1.613E-12
9.50125E-02	2.206E-13	3.351E-13	4.995E-13	7.636E-13	1.041E-12	1.308E-12	1.793E-12
2.81605E-01	2.651E-13	3.336E-13	5.688E-13	8.260E-13	1.122E-12	1.444E-12	2.012E-12
4.58017E-01	2.997E-13	4.308E-13	6.189E-13	9.245E-13	1.257E-12	1.602E-12	2.275E-12
6.17876E-01	3.111E-13	4.369E-13	7.222E-13	1.031E-12	1.398E-12	1.798E-12	2.587E-12
7.55044E-01	3.763E-13	5.622E-13	8.905E-13	1.214E-12	1.613E-12	2.048E-12	2.963E-12
8.65631E-01	5.611E-13	6.776E-13	1.085E-12	1.515E-12	1.941E-12	2.422E-12	3.447E-12
9.44575E-01	8.059E-13	1.099E-12	1.583E-12	2.088E-12	2.604E-12	3.120E-12	4.208E-12
9.89401E-01	1.151E-12	1.743E-12	2.755E-12	3.578E-12	4.289E-12	4.927E-12	6.049E-12
TOTAL	3.388E-12	4.754E-12	7.653E-12	1.100E-11	1.456E-11	1.818E-11	2.482E-11
COSINE	500.0	600.0	900.0	RANGE (METERS)	1200.0	1500.0	1800.0
-1.00000E 00	1.163E-12	1.168E-12	1.168E-12	7.620E-13	3.544E-13	1.377E-13	4.857E-14
-9.89401E-01	1.189E-12	1.174E-12	1.174E-12	7.672E-13	3.579E-13	1.401E-13	5.013E-14
-9.44575E-01	1.212E-12	1.199E-12	1.199E-12	7.885E-13	3.717E-13	1.487E-13	5.527E-14
-8.65631E-01	1.256E-12	1.247E-12	1.247E-12	8.812E-13	4.237E-13	1.614E-13	6.253E-14
-7.55044E-01	1.320E-12	1.316E-12	1.316E-12	9.554E-13	4.605E-13	1.744E-13	6.809E-14
-6.17876E-01	1.407E-12	1.411E-12	1.411E-12	1.012E-12	5.112E-13	1.882E-13	7.193E-14
-4.58017E-01	1.521E-12	1.537E-12	1.537E-12	1.198E-12	5.860E-13	2.069E-13	7.722E-14
-2.81605E-01	1.610E-12	1.705E-12	1.705E-12	1.398E-12	5.860E-13	2.376E-13	8.801E-14
-9.50125E-02	1.662E-12	1.926E-12	1.926E-12	6.974E-13	2.876E-13	1.086E-13	
9.50125E-02	2.106E-12	2.215E-12	2.215E-12	1.677E-12	8.6C9E-13	3.64CE-13	1.408E-13
2.81605E-01	2.442E-12	2.586E-12	2.586E-12	2.056E-12	1.102E-12	4.789E-13	1.880E-13
4.58017E-01	2.787E-12	3.058E-12	2.595E-12	1.466E-12	6.615E-13	2.642E-13	
6.17876E-01	3.240E-12	3.646E-12	3.348E-12	2.033E-12	9.754E-13	4.075E-13	
7.55044E-01	3.779E-12	4.360E-12	4.376E-12	2.919E-12	1.534E-12	6.981E-13	
8.65631E-01	4.424E-12	5.700E-12	4.231E-12	2.49CE-12	1.270E-12		
9.44575E-01	5.232E-12	6.203E-12	7.226E-12	5.933E-12	3.920E-12	2.257E-12	
9.89401E-01	7.034E-12	7.862E-12	8.866E-12	7.658E-12	5.505E-12	3.497E-12	
TOTAL	2.969E-11	3.222E-11	2.811E-11	1.745E-11	9.092E-12	4.333E-12	

⁴P1 R**2 CONCRETE KERMA (GAMMAS)
(CH**2 ERGS/GRAM/STERADIAN/SOURCE/NEUTRON)

2.350 TO 4.665 MEV NEUTRON SOURCE

COSINE	75.0	1CC.C	150.0	RANGE (METERS)	250.0	300.0	400.C
-1.00000E+00	1.4666E-11	2.137E-11	3.731E-11	5.501E-11	7.272E-11	8.902E-11	1.136E-10
-9.89401E-01	3.742E-11	2.143E-11	3.719E-11	5.519E-11	7.298E-11	8.936E-11	1.141E-10
-9.44575E-01	1.487E-11	2.167E-11	3.785E-11	5.588E-11	7.397E-11	9.067E-11	1.160E-10
-8.65631E-01	1.519E-11	2.211E-11	3.866E-11	5.717E-11	7.583E-11	9.314E-11	1.196E-10
-7.55044E-01	1.565E-11	2.275E-11	3.979E-11	5.897E-11	7.845E-11	9.665E-11	1.248E-10
-6.17876E-01	4.123E-11	2.358E-11	4.184E-11	6.129E-11	6.129E-11	1.012E-10	1.318E-10
-4.58017E-01	1.627E-11	2.465E-11	4.306E-11	6.419E-11	6.612E-11	1.07E-10	1.408E-10
-2.81605E-01	1.813E-11	2.633E-11	4.535E-11	6.782E-11	9.146E-11	1.144E-10	1.523E-10
-9.50125E-02	1.953E-11	2.782E-11	4.825E-11	7.232E-11	9.826E-11	1.235E-10	1.658E-10
9.50125E-02	2.175E-11	3.327E-11	5.075E-11	7.845E-11	1.067E-10	1.344E-10	1.848E-10
2.81605E-01	2.593E-11	3.317E-11	5.732E-11	8.411E-11	1.152E-10	1.486E-10	2.066E-10
4.58017E-01	4.232E-11	6.222E-11	9.363E-11	1.279E-10	1.635E-10	2.327E-10	2.637E-10
6.17876E-01	3.029E-11	4.295E-11	7.225E-11	1.044E-10	1.417E-10	1.828E-10	2.636E-10
7.55044E-01	3.442E-11	5.472E-11	8.791E-11	1.214E-10	1.624E-10	2.071E-10	3.006E-10
8.65631E-01	5.279E-11	6.562E-11	1.062E-10	1.499E-10	1.937E-10	2.429E-10	3.477E-10
9.44575E-01	7.633E-11	1.051E-10	1.531E-10	2.628E-10	3.435E-10	3.091E-10	4.205E-10
9.89401E-01	1.089E-10	1.653E-10	2.628E-10	4.143E-10	4.788E-10	5.939E-10	
TOTAL	3.359E-10	4.689E-10	7.665E-10	1.111E-09	1.481E-09	.855E-09	2.542E-09

COSINE	50C.C	60C.C	90C.0	RANGE (METERS)	12CC.C	15C0.0	180C.C
-1.00000E+00	1.251E-10	1.244E-10	8.370E-11	4.674E-11	1.687E-11	1.687E-11	6.476E-12
-9.89401E-01	1.257E-10	1.251E-10	9.429E-11	4.11CE-11	1.711E-11	1.711E-11	6.45E-12
-9.44575E-01	1.280E-10	1.275E-10	6.639E-11	4.249E-11	1.797E-11	1.797E-11	7.14E-12
-8.65631E-01	1.324E-10	1.323E-10	9.028E-11	4.483E-11	1.922E-11	1.922E-11	7.880E-12
-7.55044E-01	1.388E-10	1.393E-10	9.577E-11	1.033E-10	2.061E-11	2.061E-11	8.438E-12
-6.17876E-01	1.475E-10	1.488E-10	1.033E-10	5.155E-11	2.205E-11	2.205E-11	8.877E-12
-4.58017E-01	1.590E-10	1.615E-10	1.135E-10	5.672E-11	2.398E-11	2.398E-11	9.446E-12
-2.81605E-01	1.739E-10	1.784E-10	1.276E-10	6.430E-11	2.712E-11	2.712E-11	1.056E-11
-9.5C125E-02	1.932E-10	2.005E-10	1.476E-10	7.55CE-11	3.216E-11	3.216E-11	1.265E-11
9.50125E-02	2.176E-10	2.294E-10	1.722E-10	9.187E-11	3.982E-11	3.982E-11	1.567E-11
2.81605E-01	2.480E-10	2.664E-10	2.136E-10	1.159E-10	5.129E-11	5.129E-11	2.059E-11
4.58017E-01	2.854E-10	3.134E-10	2.612E-10	1.521E-10	6.944E-11	6.944E-11	2.816E-11
6.17876E-01	3.3C4E-10	3.72CE-10	3.421E-10	2.085E-10	1.006E-10	1.006E-10	4.233E-11
7.55044E-01	3.837E-10	4.428E-10	4.443E-10	2.964E-10	1.559E-10	1.559E-10	7.103E-11
8.65631E-01	4.471E-10	5.258E-10	5.577E-10	4.227E-10	2.507E-10	2.507E-10	1.277E-10
9.44575E-01	5.302F-10	6.238E-10	7.269E-10	5.958E-10	3.929E-10	3.929E-10	2.258E-10
9.89401E-01	6.961E-10	7.820E-10	8.665E-10	7.665E-10	5.566E-10	5.566E-10	3.495E-10
TOTAL	3.048E-C9	3.314E-C9	2.904E-C9	1.811E-09	9.473E-10	9.473E-10	4.530E-10

4 P1 R**2 AIR KEPMA (GAMMA'S)
 (CH**2 ERGS/GRAM/STERADIAN/SOURCE NEUTRON)

2.350 TO 4.065 MEV NEUTRON SOURCE

COSINE	75.0	100.0	150.0	RANGE (METERS)	250.0	300.0	400.0
-1.00000E 00	1.736E-11	2.585E-11	4.608E-11	6.863E-11	9.144E-11	1.129E-10	1.471E-10
-9.89401E-01	1.740E-11	2.591E-11	4.619E-11	6.881E-11	9.17CE-11	1.132E-10	1.476E-10
-9.44575E-01	1.745E-11	2.595E-11	4.664E-11	6.927E-11	9.272E-11	1.146E-10	1.496E-10
-8.65631E-01	1.790E-11	2.662E-11	4.748E-11	7.05E-11	9.464E-11	1.171E-10	1.533E-10
-7.55044E-01	1.837E-11	2.728E-11	4.865E-11	7.273E-11	9.735E-11	1.207E-10	1.566E-10
-6.17874E-01	1.921E-11	2.815E-11	5.117E-11	7.514E-11	1.009E-10	1.254E-10	1.657E-10
-4.58017E-01	1.983E-11	2.926E-11	5.208E-11	7.817E-11	1.053E-10	1.314E-10	1.749E-10
-2.8166C E-01	2.091E-11	3.069E-11	5.448E-11	8.193E-11	1.168E-10	1.389E-10	1.866E-10
-9.50125E-02	2.233E-11	3.254E-11	5.750E-11	8.660E-11	1.175E-10	1.482E-10	2.012E-10
9.50125E-02	2.457E-11	3.798E-11	6.016E-11	9.291E-11	1.264E-10	1.593E-10	2.191E-10
2.81605E-01	2.874E-11	3.803E-11	6.686E-11	9.882E-11	1.351E-10	1.729E-10	2.08E-10
4.58017E-01	3.202E-11	4.713E-11	7.196E-11	1.086E-10	1.48CE-10	1.886E-10	2.665E-10
6.17874E-01	4.792E-11	8.193E-11	1.367E-10	1.62CE-10	2.079E-10	2.969E-10	3.322E-10
7.55044E-01	3.930E-11	5.964E-11	9.786E-11	1.829E-10	2.322E-10	3.793E-10	5.332E-10
8.65631E-01	5.542E-11	7.049E-11	1.162E-10	1.653E-10	2.143E-10	2.680E-10	3.793E-10
9.44574E-01	7.883E-11	1.093E-10	1.625E-10	2.187E-10	2.762E-10	3.334E-10	4.508E-10
9.89401E-01	1.105E-10	1.683E-10	2.702E-10	3.558E-10	4.314E-10	5.001E-10	6.207E-10
TOTAL	3.655E-10	5.277E-10	8.836E-10	1.293E-09	1.726E-09	2.163E-09	2.964E-09

COSINE	500.0	600.0	RANGE (METERS)	900.0	1200.0	1500.0	1800.0
-1.00000E 00	1.665E-10	1.713E-10	1.313E-10	7.497E-11	3.7C5E-11	1.707E-11	1.707E-11
-9.89401E-01	1.671E-10	1.72CE-10	1.319E-10	7.536E-11	3.730E-11	1.724E-11	1.724E-11
-9.44575E-01	1.696E-10	1.742E-10	1.342E-10	7.690E-11	3.826E-11	1.779E-11	1.779E-11
-8.65631E-01	1.741E-10	1.796E-10	1.384E-10	7.954E-11	3.974E-11	1.862E-11	1.862E-11
-7.55044E-01	1.807E-10	1.868E-10	1.444E-10	8.296E-11	4.14CE-11	1.937E-11	1.937E-11
-6.17874E-01	1.878E-10	1.967E-10	1.525E-10	8.736E-11	4.329E-11	2.006E-11	2.006E-11
-4.58017E-01	2.013E-10	2.097E-10	1.635E-10	9.328E-11	4.578E-11	2.244E-11	2.244E-11
-2.8166C E-01	2.164E-10	2.288E-10	1.784E-10	1.016E-10	4.952E-11	2.488E-11	2.488E-11
-9.50125E-02	2.357E-10	2.490E-10	1.987E-10	1.136E-10	5.514E-11	2.845E-11	2.845E-11
9.50125E-02	2.599E-10	2.776E-10	2.264E-10	1.305E-10	6.332E-11	3.347E-11	3.347E-11
2.81665E-01	2.898E-10	3.139E-10	2.642E-10	1.546E-10	7.513E-11	4.120E-11	4.120E-11
4.58017E-01	3.263E-10	3.595E-10	3.162E-10	1.900E-10	9.32CE-11	5.505E-11	5.505E-11
6.17874E-01	3.698E-10	4.157E-10	3.876E-10	2.440E-10	1.232E-10	8.223E-11	8.223E-11
7.55044E-01	4.213E-10	4.833E-10	4.840E-10	3.268E-10	1.754E-10	2.635E-10	2.635E-10
8.65631E-01	4.824E-10	5.622E-10	6.629E-10	4.480E-10	6.041E-10	3.943E-10	3.943E-10
9.44574E-01	5.627E-10	6.558E-10	7.477E-10	6.041E-10	7.618E-10	5.387E-10	5.387E-10
9.89401E-01	7.245E-10	8.089E-10	8.978E-10	7.618E-10	9.387E-10	5.377E-10	5.377E-10
TOTAL	3.560E-09	3.888E-09	3.490E-09	2.242E-09	1.2C7E-09	5.911E-10	5.911E-10

PI R**2 SILICON KERMA (GAMMAS) (CM**2 ERGS/GRAM/STERADIAN/SOURCE NEUTRON)

2.350 TO 4.065 MEV NEUTRON SOURCE

COSINE	75.0	100.0	150.0	RANGE (METERS)	250.0	300.0	400.0
-1.00000E 00	1.505E-11	2.201E-11	3.860E-11	5.705E-11	7.555E-11	9.260E-11	1.184E-10
-9.89401E-01	1.509E-11	2.204E-11	3.871E-11	5.723E-11	7.581E-11	9.294E-11	1.189E-10
-9.44575E-01	1.526E-11	2.231E-11	3.915E-11	5.794E-11	7.682E-11	9.428E-11	1.209E-10
-8.65631E-01	1.558E-11	2.276E-11	3.996E-11	5.925E-11	7.871E-11	9.680E-11	1.246E-10
-7.55044E-01	1.604E-11	2.340E-11	4.108E-11	6.108E-11	8.138E-11	9.941E-11	1.299E-10
-6.17876E-01	1.666E-11	2.424E-11	4.258E-11	6.344E-11	8.488E-11	1.051E-10	1.370E-10
-4.58017E-01	1.747E-11	2.592E-11	4.442E-11	6.639E-11	8.920E-11	1.110E-10	1.462E-10
-2.81605E-01	1.853E-11	2.671E-11	4.675E-11	7.008E-11	9.464E-11	1.185E-10	1.580E-10
-9.50125E-02	1.994E-11	2.852E-11	4.968E-11	7.465E-11	1.014E-10	1.278E-10	1.728E-10
9.50125E-02	2.218E-11	3.400E-11	5.222E-11	8.086E-11	1.102E-10	1.390E-10	1.912E-10
2.81605E-01	2.638E-11	5.884E-11	8.661E-11	1.188E-10	1.527E-10	2.134E-10	2.400E-10
4.58017E-01	2.967E-11	4.310E-11	6.378E-11	9.023E-11	1.317E-10	1.685E-10	2.400E-10
6.17876E-01	3.277E-11	4.374E-11	7.368E-11	1.067E-10	1.456E-10	1.881E-10	2.715E-10
7.55044E-01	3.692E-11	5.557E-11	8.962E-11	1.242E-10	1.665E-10	2.126E-10	3.092E-10
8.65631E-01	4.380E-11	1.049E-10	1.551E-10	2.071E-10	2.609E-10	3.489E-10	5.699E-10
9.44575E-01	7.030E-11	1.062E-11	1.667E-10	2.654E-10	3.475E-10	4.199E-10	6.049E-10
9.89401E-01	1.098E-10	4.782E-10	7.854E-10	1.142E-09	1.524E-09	1.912E-09	2.625E-09
TOTAL	3.366E-10						

204

COSINE	500.0	600.0	RANGE (METERS)	900.0	1200.0	1500.0	1800.0
-1.00000E 00	1.307E-10	1.303E-10	8.864E-11	4.380E-11	1.849E-11	7.265E-12	
-9.89401E-01	1.313E-10	1.309E-10	8.917E-11	4.417E-11	1.874E-11	7.429E-12	
-9.44575E-01	1.337E-10	1.335E-10	9.134E-11	4.559E-11	1.962E-11	7.953E-12	
-8.65631E-01	1.382E-10	1.384E-10	9.533E-11	4.798E-11	2.094E-11	8.703E-12	
-7.55044E-01	1.448E-10	1.455E-10	1.010E-10	5.099E-11	2.231E-11	9.290E-12	
-6.17876E-01	1.536E-10	1.552E-10	1.086E-10	5.482E-11	2.376E-11	9.711E-12	
-4.58017E-01	1.684E-10	1.682E-10	1.191E-10	6.008E-11	2.772E-11	1.028E-11	
-2.81605E-01	1.806E-10	1.855E-10	1.336E-10	6.779E-11	2.891E-11	1.141E-11	
-9.50125E-02	2.003E-10	2.091E-10	1.539E-10	7.921E-11	3.04E-11	1.352E-11	
9.50125E-02	2.252E-10	2.376E-10	1.820E-10	9.590E-11	4.193E-11	1.680E-11	
2.81605E-01	2.563E-10	2.755E-10	2.212E-10	1.204E-10	5.25CE-11	2.158E-11	
4.58017E-01	2.945E-10	3.235E-10	2.760E-10	1.574E-10	7.198E-11	2.927E-11	
6.17876E-01	3.404E-10	3.833E-10	3.526E-10	2.150E-10	1.037E-10	4.370E-11	
7.55044E-01	3.949E-10	4.557E-10	4.572E-10	3.049E-10	1.003E-10	7.302E-11	
8.65631E-01	4.594E-10	5.404E-10	5.917E-10	4.383E-10	2.574E-10	1.310E-10	
9.44575E-01	5.436E-10	6.401E-10	7.464E-10	6.117E-10	4.033E-10	2.317E-10	
9.89401E-01	7.108E-10	7.999E-10	9.C91E-10	7.865E-10	5.651E-10	3.588E-10	
TOTAL	3.149E-C9	3.426E-C9	3.006E-09	1.877E-09	9.829E-10	4.7C4E-10	

4 PI R**2 FLUENCE AT 75.0 METERS

1.108 TO 2.35 MEV NEUTRON SOURCE

(NEUTRONS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=1.0000	ANGLE 2 MU=-0.9896	ANGLE 3 MU=-0.9446	ANGLE 4 MU=-0.8656	ANGLE 5 MU=-0.7550	ANGLE 6 MU=-0.6179	ANGLE 7 MU=-0.4580	ANGLE 8 MU=-0.2816	ANGLE 9 MU=-0.0950
1.22E 01----1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.20E 01----1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00----1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00----8.19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E 00----6.36E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.07E 00----4.97E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.01E 00----4.07E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.46E 00----3.01E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.35E 00----2.46E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E 00----1.83E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.50E -01----1.11E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E -01----5.50E -01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.35E -02----1.11E -01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.83E -04----3.35E -02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.01E -04----5.83E -04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.90E -05----1.01E -04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.07E -05----2.90E -05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.06E -06----1.07E -05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.12E -06----3.06E -06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.14E -07----1.12E -06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0 ----4.14E -07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.22E 01----1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01----1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00----1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00----8.19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E 00----6.36E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.07E 00----4.97E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.01E 00----4.07E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.46E 00----3.01E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.35E 00----2.46E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.83E 00----2.35E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E 00----1.83E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.50E -01----1.11E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E -01----5.50E -01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.35E -02----1.11E -01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.83E -04----3.35E -02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.01E -04----5.83E -04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.90E -05----1.01E -04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.07E -05----2.90E -05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.06E -06----1.07E -05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.12E -06----3.06E -06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.14E -07----1.12E -06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0 ----4.14E -07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

4 PI R**2 FLUENCE AT 150.0 METERS

1.108 TO 2.35 MEV NEUTRON SOURCE

(NEUTRONS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=-1.0000	ANGLE 2 MU=0.9894	ANGLE 3 MU=-0.9446	ANGLE 4 MU=-0.8656	ANGLE 5 MU=-0.7550	ANGLE 6 MU=-0.6179	ANGLE 7 MU=-0.4580	ANGLE 8 MU=-0.2816	ANGLE 9 MU=-0.0950
1.22E 01---1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01---1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00---1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00---8.19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E 00---6.36E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.07E 00---4.97E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.01E 00---4.07E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.46E 00---3.01E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.35E 00---2.46E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.83E 00---2.35E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.50E 01---1.11E 00	5.937E-02	5.949E-02	5.998E-02	6.099E-02	6.257E-02	6.487E-02	6.804F-02	7.233E-02	7.801E-02
1.11E 01---5.50E 01	7.940E-02	7.956E-02	8.021E-02	8.14E-02	8.330E-02	8.575E-02	8.833E-02	9.262E-02	9.715E-02
3.35E 02---1.11E 01	4.509E-01	4.514E-01	4.533E-01	4.569E-01	4.621E-01	4.688E-01	4.770E-01	4.865E-01	4.972E-01
5.83E 04---3.35E-02	3.688E-01	3.691E-01	3.702E-01	3.723E-01	3.753E-01	3.791E-01	3.836E-01	3.889E-01	3.946E-01
1.01E 04---5.83E-04	2.108E 01	2.110E 01	2.125E 01	2.139E 01	2.157E 01	2.179E 01	2.203E 01	2.230E 01	2.230E 01
2.90E 05---1.01E-04	8.812E 01	8.817E 01	8.837E 01	8.875E 01	8.927E 01	8.994E 01	9.073E 01	9.162E 01	9.259E 01
1.07E 05---2.90E-05	2.509E 02	2.515E 02	2.525E 02	2.539E 02	2.556E 02	2.577E 02	2.601E 02	2.626E 02	2.626E 02
3.06E 06---1.07E-05	6.534E 02	6.537E 02	6.550E 02	6.573E 02	6.607E 02	6.649E 02	6.699E 02	6.755E 02	6.816E 02
1.12E 06---3.06E-05	1.714E 03	1.715E 03	1.718E 03	1.724E 03	1.732E 03	1.742E 03	1.755E 03	1.768E 03	1.783E 03
4.14E 07---1.12E-06	3.683E 03	3.684E 03	3.691E 03	3.703E 03	3.719E 03	3.740E 03	3.765E 03	3.792E 03	3.822E 03
0.0	-4.14E-07	5.256E 03	5.258E 03	5.267E 03	5.284E 03	5.306E 03	5.339E 03	5.364E 03	5.398E 03
ENERGY GROUP (MEV)	ANGLE 10 MU= 0.0950	ANGLE 11 MU= 0.2816	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9894	SCALAR FLUX
1.22E 01---1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01---1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00---1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00---8.19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E 00---6.36E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.07E 00---4.97E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.01E 00---4.07E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.46E 00---3.01E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.35E 00---2.46E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.83E 00---2.35E 00	9.619E-03	9.611E-02	2.032E-02	3.965E-02	7.394E-02	2.021E-01	4.333E-01	1.733E-00	5.307E-01
1.11E 00---1.83E 00	5.190E-02	5.600E-02	8.940E-02	1.335E-01	1.789E-01	3.477E-01	1.617E-00	1.129E-00	1.129E-00
5.50E 01---1.11E 00	1.081E-01	9.811E-02	1.388E-01	1.452E-01	2.016E-01	2.512E-01	3.723E-01	1.269E-00	1.269E-00
1.11E 01---5.50E 01	1.085E-01	1.156E-01	1.255E-01	1.326E-01	1.437E-01	1.541E-01	1.651E-01	1.321E-00	1.321E-00
3.35E 02---1.11E 01	5.091E-01	5.216E-01	5.345E-01	5.477E-01	5.711E-01	5.799E-01	5.855E-01	6.381E-01	6.381E-01
5.83E 04---3.35E-02	4.008E-01	4.135E-01	4.196E-01	4.251E-01	4.298E-01	4.333E-01	4.353E-01	5.016E-00	5.016E-00
1.01E 04---5.83E-04	2.258E-01	2.315E-01	2.342E-01	2.366E-01	2.385E-01	2.408E-01	2.408E-01	2.826E-02	2.826E-02
2.90E 05---1.01E-04	9.362E-01	9.566E-01	9.812E-01	9.844E-01	9.881E-01	9.891E-01	9.891E-01	1.172E-03	1.172E-03
1.07E 05---2.90E-05	2.653E 02	2.680E 02	2.706E 02	2.731E 02	2.752E 02	2.770E 02	2.790E 02	3.321E 03	3.321E 03
3.06E 06---1.07E-05	6.879E 02	7.004E 02	7.061E 02	7.111E 02	7.152E 02	7.199E 02	7.199E 02	8.613E 03	8.613E 03
1.12E 06---3.06E-06	1.799E 03	1.814E 03	1.829E 03	1.855E 03	1.885E 03	1.915E 03	1.915E 03	2.252E 04	2.252E 04
4.14E 07---1.12E-06	3.853E 03	3.914E 03	3.941E 03	3.965E 03	3.985E 03	4.007E 03	4.007E 03	4.820E 04	4.820E 04
0.0	-4.14E-07	5.472E 03	5.511E 03	5.549E 03	5.584E 03	5.637E 03	5.661E 03	6.857E 04	6.857E 04

4 PI R**2 FLUENCE AT 200.0 METERS

1.108 TO 2.35 MEV NEUTRON SOURCE

(NEUTRONS/MEV/STERADIANT/SOURCE NEUTRON)									
ENERGY GROUP (MEV)	ANGLE 1 MU= -1.0000	ANGLE 2 MU= 0.9894	ANGLE 3 MU= 0.9446	ANGLE 4 MU= 0.8656	ANGLE 5 MU= -0.7550	ANGLE 6 MU= -0.6179	ANGLE 7 MU= -0.4580	ANGLE 8 MU= -0.2616	ANGLE 9 MU= -0.0950
1.22E 01 --- 1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01 --- 1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00 --- 1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00 --- 8.19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E 00 --- 6.36E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.07E 00 --- 4.97E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.01E 00 --- 4.07E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.46E 00 --- 3.01E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.35E 00 --- 2.46E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.83E 00 --- 2.35E 00	5.724E-04	6.384E-02	5.843E-04	6.382E-04	7.635E-04	9.954E-04	1.388E-03	2.011E-03	2.960E-03
1.11E 00 --- 1.83E 00	6.384E-02	6.399E-02	6.461E-02	6.866E-02	6.781E-02	7.622E-02	7.94E-02	3.208E-02	3.566E-02
5.50E-01 --- 1.11E 00	6.399E-02	6.461E-02	6.520E-02	6.537E-02	6.592E-02	7.06E-02	7.445E-02	7.961E-02	8.647E-02
1.11E-01 --- 5.50E-01	1.029E-01	1.031E-01	1.040E-01	1.058E-01	1.083E-01	1.118E-01	1.161E-01	1.215E-01	1.279E-01
3.35E-02 --- 1.11E-01	6.499E-01	6.507E-01	6.539E-01	6.599E-01	6.684E-01	6.79E-01	6.930E-01	7.088E-01	7.26E-01
5.83E-04 --- 3.35E-02	5.499E-01	5.504E-01	5.524E-01	5.561E-01	5.613E-01	5.681E-01	5.761E-01	5.854E-01	5.98E-01
1.01E-04 --- 5.83E-04	3.214E 01	3.216E 01	3.226E 01	3.245E 01	3.271E 01	3.305E 01	3.345E 01	3.391E 01	3.441E 01
2.90E-05 --- 1.01E-04	1.361E 02	1.362E 02	1.366E 02	1.373E 02	1.383E 02	1.396E 02	1.411E 02	1.428E 02	1.447E 02
1.07E-05 --- 2.90E-05	3.907E 02	3.920E 02	3.926E 02	3.939E 02	3.966E 02	4.000E 02	4.041E 02	4.088E 02	4.138E 02
3.06E-06 --- 1.07E-05	1.027E 03	1.030E 03	1.035E 03	1.041E 03	1.050E 03	1.060E 03	1.071E 03	1.083E 03	1.093E 03
1.12E-06 --- 3.06E-06	2.710E 03	2.712E 03	2.718E 03	2.730E 03	2.746E 03	2.767E 03	2.792E 03	2.820E 03	2.850E 03
4.14E-07 --- 1.12E-06	5.853E 03	5.856E 03	5.862E 03	5.893E 03	5.927E 03	5.969E 03	6.019E 03	6.176E 03	6.176E 03
0.0 --- 4.14E-07	8.399E 03	8.403E 03	8.422E 03	8.455E 03	8.500E 03	8.555E 03	8.618E 03	8.688E 03	8.763E 03
ENERGY GROUP (MEV)	ANGLE 10 MU= 0.0950	ANGLE 11 MU= 0.2816	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9894	SCALAR FLUX
1.22E 01 --- 1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01 --- 1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00 --- 1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00 --- 8.19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E 00 --- 6.36E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.07E 00 --- 4.97E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.01E 00 --- 4.07E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.46E 00 --- 3.01E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.35E 00 --- 2.46E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.83E 00 --- 2.35E 00	5.704E-03	1.032E-02	1.408E-02	2.309E-02	3.659E-02	6.420E-02	1.679E-01	1.339E 00	4.302E 00
1.11E 00 --- 1.83E 00	4.130E-02	6.167E-02	6.593E-02	9.381E-02	1.188E-01	1.778E-01	2.130E-01	2.955E-01	1.919E 00
5.50E-01 --- 1.11E 00	1.032E-01	1.010E-01	1.289E-01	1.398E-01	1.778E-01	2.130E-01	2.861E-01	4.071E-01	1.624E 00
1.11E-01 --- 5.50E-01	1.350E-01	1.445E-01	1.540E-01	1.658E-01	1.780E-01	1.922E-01	2.062E-01	2.200E-01	1.744E 00
3.35E-02 --- 1.11E-01	7.676E-01	7.893E-01	8.112E-01	8.319E-01	8.504E-01	8.651E-01	8.744E-01	9.356E 00	9.356E 00
5.83E-04 --- 3.35E-02	6.068E-01	6.184E-01	6.299E-01	6.410E-01	6.511E-01	6.597E-01	6.661E-01	6.699E-01	7.522E 00
1.01E-04 --- 5.83E-04	3.495E 01	3.550E 01	3.605E 01	3.656E 01	3.744E 01	3.770E 01	3.786E 01	3.776E 01	4.372E 01
2.90E-05 --- 1.01E-04	1.467E 02	1.507E 02	1.526E 02	1.543E 02	1.557E 02	1.567E 02	1.573E 02	1.573E 02	1.835E 03
1.07E-05 --- 2.90E-05	4.192E 02	4.246E 02	4.299E 02	4.349E 02	4.393E 02	4.429E 02	4.455E 02	4.471E 02	5.244E 03
2.06E-06 --- 1.07E-05	1.099E 03	1.109E 03	1.122E 03	1.133E 03	1.144E 03	1.152E 03	1.159E 03	1.162E 03	1.371E 04
1.12E-06 --- 3.06E-05	2.881E 03	2.913E 03	2.944E 03	2.973E 03	2.998E 03	3.018E 03	3.034E 03	3.043E 03	3.606E 04
4.14E-07 --- 1.12E-05	6.210E 03	6.266E 03	6.329E 03	6.387E 03	6.438E 03	6.489E 03	6.510E 03	6.527E 03	7.762E 04
0.0 --- 4.14E-07	8.843E 03	8.925E 03	9.005E 03	9.080E 03	9.144E 03	9.194E 03	9.228E 03	9.246E 03	1.108E 05

4 PI R**2 FLUENCE AT 300.0 METERS

1.108 TO 2.35 MEV NEUTRON SOURCE

(NEUTRONS/MEV/STERADIANT/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU= -1.0000	ANGLE 2 MU= -0.9894	ANGLE 3 MU= -0.9466	ANGLE 4 MU= -0.8656	ANGLE 5 MU= -0.7550	ANGLE 6 MU= -0.6179	ANGLE 7 MU= -0.4580	ANGLE 8 MU= -0.2816	ANGLE 9 MU= -0.0950
1.22E 01 --- 1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01 --- 1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00 --- 1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00 --- 8.19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E 00 --- 6.36E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.07E 00 --- 4.97E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.01E 00 --- 4.07E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.46E 00 --- 3.01E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.35E 00 --- 2.46E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.83F 00 --- 2.35E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.51F 00 --- 1.83E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.50E -01 --- 1.11E 00	5.111E -04	5.222E -06	5.724E -06	6.948E -04	8.855E -04	1.217E -03	1.717E -03	2.516E -03	3.673E -03
1.11F -01 --- 5.50E -01	1.958E -02	1.961E -02	1.993E -02	2.060E -02	2.164E -02	2.317E -02	2.5E -02	2.824E -02	3.225E -02
3.25E -02 --- 1.11E -01	9.230E -01	9.243E -01	1.260E -01	1.283E -01	1.318E -01	1.366E -01	1.423E -01	1.495E -01	1.581E -01
5.83E -04 --- 3.35E -02	8.222E -01	8.235E -01	8.272E -01	8.340E -01	8.435E -01	9.539E -01	9.725E -01	1.022E 00	1.052E 00
1.01E -04 --- 5.83E -04	4.997E -01	5.017E -01	5.054E -01	5.105E -01	5.171E -01	8.558E -01	8.706E -01	8.879E -01	9.070E -01
2.90E -05 --- 1.01E -04	2.165E -02	2.173E -02	2.188E -02	2.208E -02	2.236E -02	5.251E -01	5.342E -01	5.444E -01	5.444E -01
1.07E -05 --- 2.90E -05	6.319E -02	6.341E -02	6.382E -02	6.439E -02	6.512E -02	6.512E -02	6.600E -02	6.700E -02	6.810E -02
3.06E -06 --- 1.07E -05	1.689E -03	1.696E -03	1.706E -03	1.720E -03	1.739E -03	1.739E -03	1.761E -03	1.786E -03	1.814E -03
1.12E -06 --- 3.06E -06	4.514E -03	4.532E -03	4.558E -03	4.595E -03	4.642E -03	4.642E -03	4.698E -03	4.761E -03	4.831E -03
4.14E -07 --- 1.12E -06	9.856E -03	9.893E -03	9.947E -03	1.002E -04	1.024E -04	1.024E -04	1.076E -04	1.137E -04	1.151E -04
0.0	-4.14E -07	1.431E -04	1.432E -04	1.436E -04	1.454E -04	1.467E -04	1.481E -04	1.498E -04	1.516E -04

ENERGY GROUP (MEV)	ANGLE 10 MU= 0.0950	ANGLE 11 MU= 0.2816	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9894	SCALAR FLUX
1.22E 01 --- 1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01 --- 1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00 --- 1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00 --- 8.19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E 00 --- 6.36E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.07E 00 --- 4.97E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.01E 00 --- 4.07E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.46E 00 --- 3.01E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.35E 00 --- 2.46E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.83E 00 --- 2.35E 00	5.500E -03	7.807E -03	1.212E -02	1.833E -02	2.955E -02	5.006E -02	1.060E -02	1.492E -01	2.797E -01
1.11E 00 --- 1.83E 00	3.95E -02	4.391E -02	5.711E -02	7.068E -02	9.615E -02	1.337E -01	2.109E -01	6.273E -01	7.290E -01
5.50E -01 --- 1.11E 00	9.168E -02	1.084E -01	1.218E -01	1.464E -01	1.734E -01	2.153E -01	3.821E -01	1.366E 00	1.366E 00
1.11E -01 --- 5.50E -01	1.689E -01	1.801E -01	1.938E -01	2.088E -01	2.254E -01	2.426E -01	2.745E -01	2.167E 00	2.167E 00
3.35E -02 --- 1.11E -01	1.086E 00	1.122E 00	1.159E 00	1.196E 00	1.232E 00	1.265E 00	1.288E 00	1.302E 00	1.366E 01
5.83E -04 --- 3.35E -02	9.278E -01	9.494E -01	9.712E -01	9.923E -01	1.012E 00	1.028E 00	1.040E 00	1.048E 00	1.160E 01
1.83E 00 --- 2.35E 00	5.500E -03	7.807E -03	1.212E -02	1.833E -02	2.955E -02	5.006E -02	1.060E -02	1.492E -01	2.797E -01
1.11E 00 --- 1.83E 00	3.95E -02	4.391E -02	5.711E -02	7.068E -02	9.615E -02	1.337E -01	2.109E -01	6.273E -01	7.290E -01
5.50E -01 --- 1.11E 00	9.168E -02	1.084E -01	1.218E -01	1.464E -01	1.734E -01	2.153E -01	3.821E -01	1.366E 00	1.366E 00
1.11E -01 --- 5.50E -01	1.689E -01	1.801E -01	1.938E -01	2.088E -01	2.254E -01	2.426E -01	2.745E -01	2.167E 00	2.167E 00
3.35E -02 --- 1.11E -01	1.086E 00	1.122E 00	1.159E 00	1.196E 00	1.232E 00	1.265E 00	1.288E 00	1.302E 00	1.366E 01
5.83E -04 --- 3.35E -02	9.278E -01	9.494E -01	9.712E -01	9.923E -01	1.012E 00	1.028E 00	1.040E 00	1.048E 00	1.160E 01
1.01E -04 --- 5.93E -04	5.522E 01	5.664E 01	5.776E 01	5.883E 01	5.980E 01	6.121E 01	6.156E 01	6.191E 01	6.211E 01
2.90E -05 --- 1.01E -04	2.384E 02	2.471E 02	2.512E 02	2.549E 02	2.602E 02	2.615E 02	2.615E 02	2.615E 02	2.615E 02
1.07E -05 --- 2.90E -05	6.977E 02	7.047E 02	7.166E 02	7.278E 02	7.461E 02	7.523E 02	7.558E 02	8.666E 03	8.666E 03
3.06E -06 --- 1.07E -05	1.843E 03	1.872E 03	1.902E 03	1.929E 03	1.954E 03	1.974E 03	1.998E 03	2.304E 04	2.304E 04
1.12E -06 --- 3.06E -06	4.904E 03	4.979E 03	5.052E 03	5.183F 03	5.223E 03	5.270E 03	5.291E 03	6.32E 04	6.32E 04
6.14E -07 --- 1.12E -06	1.067E 04	1.082E 04	1.097E 04	1.111E 04	1.124E 04	1.134E 04	1.146E 04	1.334E 05	1.334E 05
0.0	-4.14E -07	1.526E 04	1.555E 04	1.575E 04	1.593E 04	1.609E 04	1.622E 04	1.631E 04	1.632E 05

4 PI R**2 FLUENCE AT 400.0 METERS

1.108 TO 2.35 MEV NEUTRON SOURCE

(NEUTRONS/MEV/STERADIANT/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=0.0000	ANGLE 2 MU=0.5894	ANGLE 3 MU=-0.9646	ANGLE 4 MU=-0.8656	ANGLE 5 MU=-0.7550	ANGLE 6 MU=-0.6179	ANGLE 7 MU=-0.4580	ANGLE 8 MU=-0.2881	ANGLE 9 MU=-0.0950
1.22E 01---1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01---1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00---1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00---8.19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E 00---6.36E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.07E 00---4.97E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.01F 00---4.07E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.46E 00---3.01E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.35E 00---2.46E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.83E 00---2.35E 00	0.0	0.0	3.899E-04	3.987E-04	5.445E-04	6.753E-04	9.208E-04	1.300E-03	1.869E-03
1.11E 00---1.83E 00	0.0	1.360E-02	1.365E-02	1.390E-02	1.438E-02	1.513E-02	1.624E-02	1.778E-02	1.988E-02
5.50E-01---1.11E 00	4.768E-02	4.803E-02	4.867E-02	4.933E-02	5.134E-02	5.465E-02	5.875E-02	6.318E-02	6.966E-02
1.11E-01---5.50E-01	1.194E-01	1.210E-01	1.234E-01	1.269E-01	1.316E-01	1.376E-01	1.450E-01	1.510E-01	1.540E-01
3.35E-02---1.11E-01	9.964E-01	9.979E-01	1.004E-00	1.016E-00	1.033E-00	1.055E-00	1.082E-00	1.114E-00	1.151E-00
5.83E-04---3.35E-02	9.221E-01	9.232E-01	9.278E-01	9.363E-01	9.482E-01	9.638E-01	9.825E-01	1.029E-00	1.044E-00
3.01E-04---5.83E-04	5.763E-01	5.796E-01	5.844E-01	5.912E-01	6.000E-01	6.105E-01	6.227E-01	6.363E-01	6.363E-01
2.90E-05---1.01E-04	2.545E-02	2.548E-02	2.559E-02	2.578E-02	2.606E-02	2.642E-02	2.685E-02	2.735E-02	2.790E-02
1.07E-05---2.90E-05	7.532E-02	7.539E-02	7.570E-02	7.627E-02	7.707E-02	7.810E-02	7.933E-02	8.075E-02	8.231E-02
3.06E-06---1.07E-05	2.047E-03	2.048E-03	2.057E-03	2.071E-03	2.091E-03	2.119E-03	2.150E-03	2.187E-03	2.227E-03
1.12E-06---3.06E-06	5.535E-03	5.544E-03	5.561E-03	5.593E-03	5.653E-03	5.722E-03	5.804E-03	5.898E-03	6.002E-03
4.14E-07---1.12E-05	1.221E-04	1.222E-04	1.227E-04	1.235E-04	1.246E-04	1.261E-04	1.278E-04	1.298E-04	1.320E-04
0.0 ---4.14E-07	1.792E-04	1.794E-04	1.800E-04	1.812E-04	1.827E-04	1.846E-04	1.869E-04	1.894E-04	1.923E-04
ENERGY GROUP (MEV)	ANGLE 10 MU= 0.0950	ANGLE 11 MU= 0.2816	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9894	SCALAR FLUX
1.22E 01---1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01---1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00---1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00---8.19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E 00---6.36E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.07E 00---4.97E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.01E 00---4.07E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.46E 00---3.01E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.35E 00---2.46E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.83E 00---2.35E 00	3.930E-03	5.836E-03	8.698E-03	1.236E-02	2.116E-02	3.236E-02	6.776E-02	1.769E-01	4.095E-01
1.11E 00---1.83E 00	2.643E-02	3.219E-02	3.946E-02	5.056E-02	6.651E-02	9.205E-02	1.379E-01	3.307E-01	4.876E-01
5.50E-01---1.11E 00	7.844E-02	8.900E-02	1.038E-01	1.223E-01	1.473E-01	1.801E-01	2.266E-01	3.017E-01	4.150E-01
1.11E-01---5.50E-01	1.645E-01	1.768E-01	1.906E-01	2.061E-01	2.27E-01	2.399E-01	2.558E-01	2.685E-01	2.119E-00
3.25E-02---1.11E-01	1.19E-00	1.235E-00	1.280E-00	1.325E-00	1.367E-00	1.404E-00	1.433E-00	1.451E-00	1.493E-01
5.83E-04---3.35E-02	1.05E-00	1.083E-00	1.111E-00	1.139E-00	1.163E-00	1.184E-00	1.200E-00	1.209E-00	1.319E-01
1.01E-04---5.83E-04	6.509E-01	6.661E-01	6.813E-01	6.958E-01	7.091E-01	7.202E-01	7.265E-01	7.333E-01	8.133E-02
2.90E-05---1.01E-04	2.849E-02	2.910E-02	2.971E-02	3.029E-02	3.081E-02	3.125E-02	3.158E-02	3.177E-02	3.561E-03
1.07E-05---2.90E-05	8.399E-02	8.571E-02	8.743E-02	8.906E-02	9.053E-02	9.175E-02	9.266E-02	9.318E-02	1.050E-04
3.06E-06---1.07E-05	2.270E-03	2.314E-03	2.358E-03	2.399E-03	2.436E-03	2.467E-03	2.490E-03	2.503E-03	2.837E-04
1.12E-06---3.06E-06	6.112E-03	6.225E-03	6.337E-03	6.442E-03	6.515E-03	6.673E-03	6.7639E-03	6.7639E-04	7.639E-04
6.14E-07---1.12E-06	1.343E-04	1.376E-04	1.390E-04	1.412E-04	1.432E-04	1.460E-04	1.467E-04	1.472E-04	1.679E-05
0.0 ---4.4E-07	1.953E-04	1.984E-04	2.015E-04	2.044E-04	2.069E-04	2.089E-04	2.104E-04	2.112E-04	2.442E-05

4 PI R**2 FLUENCE AT 500.0 METERS

1.108 TO 2.35 MEV NEUTRON SOURCE

(NEUTRONS/MEV/STERADIANS/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=-1.0000	ANGLE 2 MU=-0.9894	ANGLE 3 MU=-0.9446	ANGLE 4 MU=-0.8656	ANGLE 5 MU=-0.7550	ANGLE 6 MU=-0.6179	ANGLE 7 MU=-0.4580	ANGLE 8 MU=-0.2816	ANGLE 9 MU=-0.0950
1.22E 01---1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01---1.22E 01	C.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00---1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00---8.19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E 00---6.36E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.07E 00---4.97E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.01E 00---4.07E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.46E 00---3.01E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.35E 00---2.46E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.83E 00---2.35E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.21E 00---1.83E 00	8.936E-03	8.936E-03	9.100E-03	9.426E-03	9.933E-03	1.067E-02	1.311E-02	1.502E-02	1.857E-03
5.50F 01---1.11E 00	3.520E-02	3.522E-02	3.583E-02	3.682E-02	3.832E-02	4.046E-02	4.337E-02	4.724E-02	5.233E-02
1.11E 01---5.50E-01	1.005E-01	1.008E-01	1.041E-01	1.072E-01	1.113E-01	1.166E-01	1.232E-01	1.311E-01	1.391E-01
3.35F 02---1.11E 01	9.198E-01	9.213E-01	9.276E-01	9.560E-01	9.778E-01	1.005E-00	1.036E-00	1.072E-00	1.102E-00
5.92F 04---3.35E-02	8.757E-01	8.768E-01	8.855E-01	8.902E-01	9.184E-01	9.376E-01	9.601E-01	9.852E-01	9.952E-01
1.01E 04---5.83E-04	5.661E 01	5.670E 01	5.685E 01	5.758E 01	5.851E 01	5.964E 01	6.094E 01	6.239E 01	6.396E 01
2.90E 05---1.01E 04	2.511E 02	2.514E 02	2.525E 02	2.547E 02	2.577E 02	2.616E 02	2.664E 02	2.718E 02	2.778E 02
1.07E 05---2.90E 05	7.516E 02	7.524E 02	7.538E 02	7.621E 02	7.709E 02	7.823E 02	7.966E 02	8.118E 02	8.293E 02
3.06E 06---1.07E 05	2.070E 03	2.072E 03	2.081E 03	2.097E 03	2.121E 03	2.151E 03	2.187E 03	2.229E 03	2.275E 03
1.12E 06---3.06E 06	5.653E 03	5.659E 03	5.683E 03	5.727E 03	5.788E 03	5.867E 03	5.962E 03	6.192E 03	6.412E 03
4.14E 07---1.12E 06	1.259E 04	1.260E 04	1.275E 04	1.274E 04	1.288E 04	1.305E 04	1.324E 04	1.374E 04	1.424E 04
0.0	-4.14E-07	1.866E 04	1.875E 04	1.888E 04	1.906E 04	1.929E 04	1.956E 04	1.987E 04	2.020E 04
ENERGY GROUP (MEV)	ANGLE 10 MU= 0.0950	ANGLE 11 MU= 0.2816	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9894	SCALAR FLUX
1.22F 01---1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01---1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00---1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00---8.19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E 00---6.36E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.07E 00---4.97E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.01E 00---4.07E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.46E 00---3.01E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.35E 00---2.46E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.83E 00---2.35E 00	3.964E-03	3.964E-03	5.918E-03	9.039E-03	1.427E-02	2.375E-02	4.489E-02	2.226E-01	1.095E-01
1.11E 00---1.83E 00	1.762E-02	2.117E-02	2.615E-02	3.221E-02	4.351E-02	5.921E-02	8.591E-02	1.755E-01	3.111E-01
5.50E 01---1.11E 00	5.896E-02	6.764E-02	7.836E-02	9.346E-02	1.124E-01	1.371E-01	1.701E-01	2.188E-01	8.659E-01
1.11F 01---5.50E 01	1.404E-01	1.512E-01	1.635E-01	1.772E-01	1.917E-01	2.063E-01	2.196E-01	2.295E-01	1.809E 00
3.35E 02---1.11E 01	1.155E 00	1.200E 00	1.245E 00	1.287E 00	1.324E 00	1.353E 00	1.370E 00	1.394E 01	1.414E 01
5.82E 04---3.35E 02	1.041E 00	1.041E 00	1.048E 00	1.098E 00	1.124E 00	1.163E 00	1.172E 00	1.266E 01	1.095E 01
1.01E 04---5.83E 04	6.396E 01	6.723E 01	6.881E 01	7.024E 01	7.145E 01	7.236E 01	7.288E 01	7.993E 02	3.111E 01
2.90E 05---1.01E 04	2.843E 02	2.911E 02	2.938E 02	3.043E 02	3.101E 02	3.150E 02	3.186E 02	3.207E 02	3.553E 03
1.07E 05---2.90E 05	8.481E 02	8.676E 02	8.810E 02	9.055E 02	9.362E 02	9.466E 02	9.526E 02	1.060E 04	1.090E 04
3.06E 06---1.07E 05	2.324E 03	2.455E 03	2.517E 03	2.553E 03	2.595E 03				
1.12E 06---3.06E 06	6.321E 03	6.453E 03	6.585E 03	6.710E 03	6.822E 03	6.915E 03	6.985E 03	7.024E 03	7.897E 04
4.14E 07---1.12E 06	1.402E 04	1.430E 04	1.485E 04	1.509E 04	1.528E 04	1.543E 04	1.551E 04	1.752E 05	1.752E 05
0.0	-4.14E-07	2.056E 04	2.094E 04	2.131E 04	2.167E 04	2.198E 04	2.223E 04	2.241E 04	2.571E 05

4 PI R**2 FLUENCE AT 600.0 METERS

1.108 TO 2.35 MEV NEUTRON SOURCE

(NEUTRONS/MEV/STERKDIAN/SOURCE NEUTRON)									
ENERGY GROUP (MEV)	ANGLE 1 MU=1.0000	ANGLE 2 MU=-0.9894	ANGLE 3 MU=-0.9446	ANGLE 4 MU=-0.8656	ANGLE 5 MU=-0.7550	ANGLE 6 MU=-0.6179	ANGLE 7 MU=-0.5580	ANGLE 8 MU=-0.2816	ANGLE 9 MU=-0.0950
1.22E 01----1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01----1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00----1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00----8.19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E 00----6.36E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.07E 00----4.97E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.01E 00----4.07E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.46E 00----3.01E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.35E 00----2.46E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.83E 00----2.35E 00	0.0	1.15E-04	1.858E-04	2.09E-04	2.454E-04	3.145E-04	4.251E-04	5.938E-04	8.451E-04
1.11E 00----1.83E 00	0.0	5.594E-03	5.619E-03	5.75E-03	5.934E-03	6.259E-03	6.731E-03	7.387E-03	8.283E-03
5.50E 00----1.11E 00	0.0	2.452E-02	2.452E-02	2.562E-02	2.672E-02	2.828E-02	3.040E-02	3.223E-02	3.694E-02
1.11E 01----1.50E 01	7.783E-02	7.804E-02	7.834E-02	8.065E-02	8.646E-02	9.071E-02	9.97E-02	1.023E-01	1.215E-03
3.35E 02----1.11E 01	7.668E-01	7.681E-01	7.736E-01	7.838E-01	7.984E-01	8.175E-01	8.409E-01	8.686E-01	9.003E-01
5.83E 04----3.35E 02	7.442E-01	7.473E-01	7.525E-01	7.703E-01	7.846E-01	8.046E-01	8.222E-01	8.449E-01	8.849E-01
1.01E 04----5.83E 04	4.866E-01	4.892E-01	4.939E-01	5.006E-01	5.092E-01	5.196E-01	5.316E-01	5.451E-01	5.5316E-01
2.90E 05----1.01E-04	2.05E 02	2.208E 02	2.29E 02	2.339E 02	2.268E 02	2.305E 02	2.349E 02	2.400E 02	2.457E 02
1.07E 05----2.50E-05	6.662E 02	6.670E 02	6.733E 02	6.762E 02	6.846E 02	6.955E 02	7.086E 02	7.237E 02	7.405E 02
3.06E 06----1.07E-05	1.855E 03	1.857E 03	1.882E 03	1.904E 03	1.934E 03	1.969E 03	2.009E 03	2.054E 03	2.103E 03
1.12E 06----3.06E-06	5.109E 03	5.115E 03	5.138E 03	5.181E 03	5.241E 03	5.319E 03	5.413E 03	5.520E 03	5.639E 03
4.14E 07----1.12E-06	1.146E 04	1.148E 04	1.153E 04	1.162E 04	1.175E 04	1.192E 04	1.212E 04	1.236E 04	1.262E 04
0.0	-4.14E-07	1.714E 04	1.723E 04	1.736E 04	1.754E 04	1.777E 04	1.804E 04	1.835E 04	1.869E 04
1.22E 01----1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01----1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00----1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00----8.19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E 00----6.36E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.07E 00----4.97E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.01E 00----4.07E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.46E 00----3.01E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.35E 00----2.46E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.83E 00----2.35E 00	0.0	1.761E-03	2.582E-03	3.87E-03	5.861E-03	9.214E-03	1.523E-02	2.108E-02	6.654E-02
1.11E 00----1.83E 00	0.0	1.340E-02	1.114E-02	1.633E-02	2.093E-02	3.663E-02	5.174E-02	9.352E-02	1.919E-01
5.50E 01----1.11E 00	4.179E-02	4.808E-02	5.64E-02	6.678E-02	6.035E-02	9.776E-02	1.202E-01	1.503E-01	6.126E-01
1.11E 01----5.50E 01	1.098E-01	1.185E-01	1.246E-01	1.393E-01	1.508E-01	1.523E-01	1.725E-01	1.798E-01	1.414E 00
3.35E 02----1.11E-01	9.733E-01	1.03E 00	1.089E 00	1.052E 00	1.121E 00	1.146E 00	1.161E 00	1.172E 01	1.07E 01
5.83E 04----3.35E-02	8.696E-01	9.238E-01	9.473E-01	9.707E-01	9.906E-01	1.006E 00	1.014E 00	1.014E 00	1.07E 01
1.01E 04----5.83E-04	5.597E 01	5.749E 01	5.928E 01	6.050E 01	6.184E 01	6.297E 01	6.382E 01	6.431E 01	6.993E 02
2.90E 05----1.01E-04	2.19E 02	2.583E 02	2.667E 02	2.709E 02	2.811E 02	2.866E 02	2.896E 02	3.147E 02	3.147E 02
1.07E 05----2.90E-05	7.586E 02	7.774E 02	7.91E 02	8.141E 02	8.304E 02	8.440E 02	8.541E 02	8.600E 02	9.477E 03
3.06E 06----1.07E-05	2.02E 03	2.152E 03	2.202E 03	2.250E 03	2.292E 03	2.328E 03	2.355E 03	2.370E 03	2.626E 04
4.12E 07----3.06E-06	1.12E-06	1.576E 03	5.899E 03	6.156E 03	6.268E 03	6.362E 03	6.432E 03	6.772E 03	7.204E 04
4.14E 07----1.12E-06	1.89E 04	1.318E 04	1.346E 04	1.373E 04	1.397E 04	1.417E 04	1.441E 04	1.611E 04	1.611E 04
0.0	-4.14E-07	1.906E 04	1.944E 04	1.982E 04	2.019E 04	2.051E 04	2.077E 04	2.108E 04	2.383E 05

4 PI R**2 FLUENCE AT 900.0 METERS

1.108 TO 2.35 MEV NEUTRON SOURCE

(NEUTRONS/MEV/STERADIANSOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=-C-9894	ANGLE 2 MU=-0.9646	ANGLE 3 MU=-0.8656	ANGLE 4 MU=-0.7550	ANGLE 5 MU=-J.6179	ANGLE 6 MU=-0.4580	ANGLE 7 MU=-0.2816	ANGLE 8 MU=-0.0950
1.22E 01---1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01---1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00---1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00---8.19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E 00---6.36E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.07E 00---4.97E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.01E 00---4.07E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.46E 00---3.01E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.35E 00---2.46E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.83E 00---2.35E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E 00---1.83E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.50E-01---1.11E 00	6.658E-03	6.795E-03	7.015E-03	7.344E-03	7.813E-03	8.447E-03	9.293E-03	1.040E-02
1.11E-01---5.50E-01	2.672E-02	2.713E-02	2.775E-02	2.866E-02	2.988E-02	3.144E-02	3.330E-02	3.572E-02
3.35E-02---1.11E-01	3.082E-01	3.112E-01	3.157E-01	3.220E-01	3.304E-01	3.407E-01	3.529E-01	3.669E-01
5.83E-04---3.35E-02	3.133E-01	3.128F-01	3.157E-01	3.193E-01	3.244E-01	3.310E-01	3.390E-01	3.484E-01
1.01E-04 5.83E-04	2.119E 01	2.132E 01	2.154E 01	2.187E 01	2.228E 01	2.279E 01	2.338E 01	2.404E 01
2.90E-05---1.01E-04	9.838E 01	9.906E 01	1.001E 02	1.015E 02	1.033E 02	1.056E 02	1.082E 02	1.110E 02
1.07E-05---2.90E-05	3.028E 02	3.049E 02	3.079E 02	3.123E 02	3.179E 02	3.246E 02	3.412E 02	3.612E 02
3.06E-06---1.07E-05	8.625E 02	8.636E 02	8.682E 02	8.767E 02	8.887E 02	9.342E 02	9.228E 02	9.686E 02
1.12E-06---3.06E-06	2.421E 03	2.433E 03	2.456E 03	2.489E 03	2.531E 03	2.582E 03	2.642E 03	2.707E 03
4.14E-07 1.12E-06	5.514E 03	5.521E 03	5.549E 03	5.600E 03	5.673E 03	5.981E 03	6.158E 03	6.322E 03
0.0 ---4.14E-07	8.392E 03	8.402E 03	8.443E 03	8.517E 03	8.620E 03	8.750E 03	8.904E 03	9.280E 03
ENERGY GROUP (MEV)	ANGLE 10 MU= 0.0950	ANGLE 11 MU= 0.4580	ANGLE 12 MU= 0.6179	ANGLE 13 MU= 0.7550	ANGLE 14 MU= 0.8656	ANGLE 15 MU= 0.9446	ANGLE 16 MU= 0.9894	SCALAR FLUX
1.22E 01---1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01---1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00---1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00---8.19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E 00---6.36E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.07E 00---4.97E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.01E 00---4.07E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.46E 00---3.01E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.35E 00---2.46E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.83E 00---2.35E 00	4.168E-04	9.042E-04	1.371E-03	2.138E-03	3.483E-03	6.160E-03	1.931E-02	3.385E-02
1.11E 00---1.83E 00	2.433E-03	3.500E-03	4.511E-03	5.784E-03	7.562E-03	1.010E-02	1.463E-02	3.995E-02
5.50E-01---1.11E 00	1.185E-02	1.373E-02	1.616E-02	1.927E-02	2.321E-02	2.809E-02	3.389E-02	4.024E-02
1.11E-01---5.50E-01	3.849E-02	4.170E-02	4.534E-02	4.933E-02	5.350E-02	5.757E-02	6.107E-02	6.338E-02
3.35E-02---1.11E-01	3.824E-01	4.65E-01	4.339E-01	4.645E-01	4.645E-01	4.754E-01	4.754E-01	4.792E-01
5.83E-04---3.35E-02	3.704E-01	3.948E-01	4.068E-01	4.270E-01	4.340E-01	4.381E-01	4.629E-01	4.629E-01
1.01E-04 5.83E-04	2.475E 01	2.550E 01	2.625E 01	2.698E 01	2.765E 01	2.831E 01	2.883E 01	3.092E 01
2.90E-05---1.01E-04	1.142E 02	1.207E 02	1.239E 02	1.267E 02	1.292E 02	1.310E 02	1.422E 02	1.422E 02
1.07E-05---2.90E-05	3.506E 02	3.604E 02	3.703E 02	3.798E 02	3.884E 02	3.957E 02	4.011E 02	4.062E 02
3.06E-06---1.01E-05	9.947E 02	1.022E 03	1.049E 03	1.075E 03	1.099E 03	1.118E 03	1.133E 03	1.142E 03
1.12E-06---3.06E-06	2.778E 03	2.851E 03	2.925E 03	2.995E 03	3.059E 03	3.112E 03	3.152E 03	3.175E 03
4.14E-07 1.12E-06	6.314E 03	6.477E 03	6.640E 03	6.795E 03	6.936E 03	7.053E 03	7.141E 03	7.195E 03
0.0 ---4.14E-07	9.494E 03	9.717E 03	9.941E 03	1.015E 04	1.030E 04	1.050E 04	1.062E 04	1.086E 05

4 PI R*2 FLUENCE AT 1200.0 METERS

1.108 TO 2.35 MEV NEUTRON SOURCE

(NEUTRONS/MEV/STERADIAN/SOURCE NEUTRON)									
ENERGY GROUP (MEV)	ANGLE 1 MU=-1.0000	ANGLE 2 MU=-0.9894	ANGLE 3 MU=-0.9446	ANGLE 4 MU=-0.8556	ANGLE 5 MU=-0.7550	ANGLE 6 MU=-0.6179	ANGLE 7 MU=-0.4580	ANGLE 8 MU=-0.2816	ANGLE 9 MU=-0.0950
1.22E 01----1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01----1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00----1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00----8.19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E 00----6.36E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.07E 00----4.97E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.01E 00----4.07E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.46E 00----3.01E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.35E 00----2.46E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.83E 00----2.35E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E 00----1.83E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.5CE 01----5.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.15E 01----5.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.35E 02----1.11E 02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.83E 04----3.35E 02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.01E 04----5.83E 04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.90E 05----1.01E 04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.07E 05----2.90E 05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.6CE 06----1.07E 05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.12E 06----3.6CE 06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.14E 07----1.12E 06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	-4.14E-07	2.768E 03	2.772E 03	2.786E 03	2.812E 03	2.849E 03	2.896E 03	3.013E 03	3.084E 03
ENERGY GROUP (MEV)	ANGLE 10 MU= 0.0950	ANGLE 11 MU= 0.2816	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 SCALAR FLUX MU= 0.9894	
1.22E 01----1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01----1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00----1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00----8.19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E 00----6.36E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.07E 00----4.97E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.01E 00----4.07E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.46E 00----3.01E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.35E 00----2.46E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.83E 00----2.35E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E 00----1.83E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.50E 01----5.50E 03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E 01----5.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.35E 02----1.11E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.01E 04----3.35E 02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.01E 04----5.50E 04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.90E 05----1.01E 04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.07E 05----2.90E 05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.06E 06----1.07E 05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.12E 06----3.06E 06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.14E 07----1.12E 06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

4 PI R**2 FLUENCE AT 1500.0 METERS

1.108 TO 2.35 MEV NEUTRON SOURCE

(NEUTRONS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU= -1.0000	ANGLE 2 MU= -0.9894	ANGLE 3 MU= -0.9446	ANGLE 4 MU= -0.8856	ANGLE 5 MU= -0.7550	ANGLE 6 MU= -0.6175	ANGLE 7 MU= -0.4580	ANGLE 8 MU= -0.2816	ANGLE 9 MU= -0.0950
1.22E 01----1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01----1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00----1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00----8.19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E 00----6.36E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.46E 00----4.97E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.35E 00----3.46E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.82E 00----2.35E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E 00----1.83E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.50E 01----1.11E 00	3.140E-04	3.154E-04	3.212E-04	3.324E-04	3.493E-04	3.734E-04	4.060E-04	4.496E-04	5.067E-04
1.11E 01----5.50E 01	1.627E-03	1.633E-03	1.654E-03	1.694E-03	1.752E-03	1.831E-03	1.932E-03	2.056E-03	2.210E-03
3.35E 02----1.11E 01	2.228E-02	2.233E-02	2.251E-02	2.286E-02	2.335E-02	2.403E-02	2.481E-02	2.576E-02	2.685E-02
5.83E 04----3.35E 02	2.366E-02	2.382E-02	2.411E-02	2.452E-02	2.505E-02	2.571E-02	2.648E-02	2.735E-02	2.735E-02
1.01E 04----5.83E 04	1.653E 00	1.666E 00	1.685E 00	1.712E 00	1.748E 00	1.791E 00	1.841E 00	1.898E 00	1.898E 00
2.90E 05----1.11E 04	7.863E 00	7.923E 00	8.110E 00	8.135E 00	8.297E 00	8.492E 00	8.722E 00	8.975E 00	8.975E 00
1.07E 05----2.90E 05	2.464E 01	2.468E 01	2.483E 01	2.510E 01	2.549E 01	2.599E 01	2.659E 01	2.730E 01	2.809E 01
3.06E 06----1.07E 05	7.175E 01	7.185E 01	7.228E 01	7.305E 01	7.416E 01	7.558E 01	7.731E 01	7.932E 01	8.156E 01
1.12E 06----3.06E 06	2.048E 02	2.048E 02	2.060E 02	2.082E 02	2.113E 02	2.153E 02	2.201E 02	2.257E 02	2.319E 02
4.14E 07----1.12E 06	4.741E 02	4.774E 02	4.823E 02	4.893E 02	4.984E 02	5.093E 02	5.220E 02	5.361E 02	5.361E 02
0.0	-4.14E-07	7.343E 02	7.352E 02	7.393E 02	7.464E 02	7.564E 02	7.592E 02	7.843E 02	8.019E 02
ENERGY GROUP (MEV)	ANGLE 10 MU= 0.0950	ANGLE 11 MU= 0.2816	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9894	SCALAR FLUX
1.22E 01----1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01----1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00----1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00----8.19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E 00----6.36E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.01E 00----4.97E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.46E 00----3.01E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.35E 00----2.46E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.83E 00----2.35E 00	1.656E-05	3.572E-05	5.391E-05	8.327E-05	1.329E-04	2.241E-04	4.982E-04	4.915E-04	4.915E-04
1.11F 00----1.83E 00	8.558E-05	1.024E-04	1.551E-04	1.950E-04	2.465E-04	3.096E-04	3.797E-04	1.342E-03	1.342E-03
5.50E 01----1.11E 00	5.813E-04	6.780E-04	8.024E-04	9.506E-04	1.157E-03	1.392E-03	1.649E-03	1.877E-03	8.483E-03
1.11E 01----5.0E-01	2.391E-03	2.500E-03	2.837E-03	3.095E-03	3.362E-03	3.618E-03	3.832E-03	3.969E-03	3.080E-02
3.35E 02----1.11E 01	2.807E-02	2.938E-02	3.075E-02	3.212E-02	3.451E-02	3.536E-02	3.587E-02	3.518E-01	3.518E-01
5.83E 04----3.35E 02	2.926E-02	3.029E-02	3.129E-02	3.218E-02	3.294E-02	3.352E-02	3.385E-02	3.534E-01	3.534E-01
1.01E 04----5.83E 04	1.959E 00	2.023E 00	2.089E 00	2.151E 00	2.209E 00	2.257E 00	2.294E 00	2.315E 00	2.447E 01
2.90E 05----1.01E 04	9.252E 00	9.541E 00	9.832E 00	1.021E 01	1.074E 01	1.127E 01	1.174E 01	1.224E 01	1.255E 02
1.07E 05----2.90E 05	2.894E 01	2.984E 01	3.074E 01	3.160E 01	3.239E 01	3.305E 01	3.384E 01	3.614E 01	3.614E 01
3.05E 06----1.07E 05	8.399E 01	8.652E 01	8.905E 01	9.151E 01	9.374E 01	9.561E 01	9.700E 01	9.781E 01	1.049E 03
1.12E 06----3.06E 06	2.386E 02	2.456E 02	2.527E 02	2.595E 02	2.656E 02	2.708E 02	2.746E 02	2.769E 02	2.980E 03
4.14E 07----1.12E 06	5.672E 02	5.832E 02	5.985E 02	6.124E 02	6.240E 02	6.327E 02	6.377E 02	6.885E 03	6.885E 03
0.0	-4.14E-07	8.428E 02	8.651E 02	8.875E 02	9.089E 02	9.281E 02	9.441E 02	9.557E 02	9.624E 02

4 PI R**2 FLUENCE AT 1800.0 METERS

1.108 TO 2.35 MEV NEUTRON SOURCE

(NEUTRONS/4FV/STERADIANT/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=-0.5894	ANGLE 2 MU=-0.9446	ANGLE 3 MU=-0.8656	ANGLE 4 MU=-0.7550	ANGLE 5 MU=-0.6179	ANGLE 6 MU=-0.4580	ANGLE 7 MU=-0.2716	ANGLE 8 MU=-0.0950	ANGLE 9 MU=0.0
1.22E 01---1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01---1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00---1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00---8.19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E 00---6.36E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.07E 00---4.97E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.01E 00---4.07E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.48E 00---3.01E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.35E 00---2.48E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.83E 00---2.35E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E 00---1.83E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.50E -01---1.11E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E -01---5.50E -01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.25E -02---1.11E -01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.90E -05---1.11E -05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.83E -04---3.25E -03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.01E -04---5.83E -04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.90E -05---1.01E -04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.07E -05---1.90E -05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.06E -06---1.90E -05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.12E -06---3.06E -06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.14E -07---1.12E -06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0 ---4.14E -07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.22E 01---1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01---1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00---1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00---8.19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E 00---6.36E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.07E 00---4.97E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.01E 00---4.07E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.46E 00---3.01E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.35E 00---2.46E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.83E 00---2.35E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E 00---1.83E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.50E -01---1.11E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E -01---5.50E -01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.35E -02---1.11E -01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.83E -04---3.35E -02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.01E -04---5.83E -04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.90E -05---1.01E -04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.07E -05---2.90E -05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.06E -06---1.07E -05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.12E -06---3.06E -06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.14E -07---1.12E -06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0 ---4.14E -07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.22E 01---1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01---1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00---1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00---8.19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E 00---6.36E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.07E 00---4.97E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.01E 00---4.07E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.46E 00---3.01E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.35E 00---2.46E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.83E 00---2.35E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E 00---1.83E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.50E -01---1.11E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E -01---5.50E -01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.35E -02---1.11E -01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.83E -04---3.35E -02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.01E -04---5.83E -04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.90E -05---1.01E -04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.07E -05---2.90E -05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.06E -06---1.07E -05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.12E -06---3.06E -06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.14E -07---1.12E -06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0 ---4.14E -07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

4 PI R**2 FLUENCE AT 75.0 METERS

1.108 TO 2.35 MEV NEUTRON SOURCE

(GAMMAS/MEV/STERADIANSOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
8.00E 00----1.00E 01	MU=-0.9894	MU=-0.9446	MU=-0.8655	MU=-0.6179	MU=0.4580	MU=0.2816	MU=0.0950	MU=0.992E-06	1.90E-06
6.50E 00----8.00E 00	1.765E-06	1.776E-06	1.792E-06	1.818E-06	1.851E-06	1.892E-06	1.931E-06	1.992E-06	2.054E-06
5.00E 00----6.50E 00	3.650E-06	3.668E-06	3.705E-06	3.758E-06	3.828E-06	3.912E-06	4.008E-06	4.115E-06	4.204E-06
4.00E 00----5.00E 00	4.086E-05	4.106E-05	4.146E-05	4.204E-05	4.279E-05	4.370E-05	4.474E-05	4.590E-05	4.678E-05
3.00E 00----4.00E 00	1.144E-05	1.152E-05	1.164E-05	1.182E-05	1.206E-05	1.235E-05	1.268E-05	1.304E-05	1.340E-05
2.50E 00----3.00E 00	2.010E-05	2.020E-05	2.041E-05	2.071E-05	2.109E-05	2.156E-05	2.210E-05	2.270E-05	2.320E-05
2.00E 00----2.50E 00	5.651E-06	5.658E-06	5.792E-06	5.918E-06	6.082E-06	6.280E-06	6.50E-06	6.765E-06	7.594E-06
1.66E 00----2.00E 00	6.371E-06	6.422E-06	6.516E-06	6.656E-06	6.837E-06	7.057E-06	7.311E-06	7.594E-06	8.054E-06
1.33E 00----1.66E 00	7.390E-06	7.461E-06	7.571E-06	7.730E-06	7.937E-06	8.188E-06	8.476E-06	8.797E-06	9.167E-06
1.00E 00----1.33E 00	8.833E-06	8.933E-06	8.937E-06	9.065E-06	9.252E-06	9.494E-06	9.786E-06	1.012E-05	1.049E-05
8.00E -01----1.00E 00	1.153E-05	1.163E-05	1.177E-05	1.201E-05	1.231E-05	1.267E-05	1.309E-05	1.354E-05	1.399E-05
6.00E -01----8.00E-01	1.551E-05	1.554E-05	1.565E-05	1.615E-05	1.653E-05	1.698E-05	1.750E-05	1.807E-05	1.867E-05
4.00E -01----6.00E-01	2.055E-05	2.059E-05	2.062E-05	2.074E-05	2.087E-05	2.097E-05	2.107E-05	2.117E-05	2.131E-05
3.00E -01----4.00E-01	1.592E-04	1.598E-04	1.610E-04	1.626E-04	1.647E-04	1.672E-04	1.698E-04	1.728E-04	1.758E-04
2.00E -01----3.00E-01	9.720E-05	9.740E-05	9.803E-05	9.881E-05	9.979E-05	1.009E-04	1.022E-04	1.035E-04	1.048E-04
1.00E -01----2.00E-01	1.822E-04	1.824E-04	1.832E-04	1.839E-04	1.846E-04	1.854E-04	1.864E-04	1.874E-04	1.884E-04
5.00E -02----1.00E-01	9.802E-04	9.812E-04	9.837E-04	9.870E-04	9.912E-04	9.960E-04	1.001E-03	1.007E-03	1.013E-03
2.00E -02----5.00E-02	2.014E-03	2.014E-03	2.020E-03	2.024E-03	2.031E-03	2.038E-03	2.046E-03	2.055E-03	2.063E-03
ENERGY GROUP (MEV)	ANGLE 10	ANGLE 11	ANGLE 12	ANGLE 13	ANGLE 14	ANGLE 15	ANGLE 16	ANGLE 17	SCALAR FLUX
8.00E 00----1.00E 01	MU= 0.0950	MU= 0.2816	MU= 0.4580	MU= 0.6179	MU= 0.8656	MU= 0.9446	MU= 0.9894	MU= 0.994	2.554E-05
6.50E 00----8.00E 00	4.714E-06	4.734E-06	4.764E-06	4.817E-06	4.864E-06	4.913E-06	4.971E-06	5.027E-06	5.231E-05
5.00E 00----6.50E 00	4.842E-05	4.966E-05	5.084E-05	5.188E-05	5.281E-05	5.341E-05	5.390E-05	5.478E-05	5.678E-05
4.00E 00----5.00E 00	1.344E-05	1.385E-05	1.422E-05	1.462E-05	1.495E-05	1.525E-05	1.544E-05	1.563E-05	1.675E-04
3.00E 00----4.00E 00	2.336E-05	2.400E-05	2.466E-05	2.525E-05	2.580E-05	2.628E-05	2.672E-05	2.710E-05	2.910E-04
2.50E 00----3.00E 00	7.328E-06	7.611E-06	7.671E-06	8.109E-06	8.318E-06	8.450E-06	8.645E-06	8.755E-06	8.955E-05
2.00E 00----2.50E 00	7.897E-06	8.213E-06	8.524E-06	8.810E-06	9.069E-06	9.297E-06	9.442E-06	9.619E-06	9.819E-05
1.66E 00----2.00E 00	9.140E-06	9.497E-06	9.847E-06	1.017E-05	1.071E-05	1.046E-05	1.071E-05	1.107E-05	1.136E-04
1.32E 00----1.66E 00	1.089E-05	1.130E-05	1.170E-05	1.207E-05	1.240E-05	1.269E-05	1.287E-05	1.288E-05	1.354E-04
1.00E 00----1.33E 00	1.403E-05	1.453E-05	1.501E-05	1.545E-05	1.585E-05	1.619E-05	1.641E-05	1.662E-05	1.743E-04
8.00E -01----1.00E 00	1.867E-05	1.928E-05	1.98E-05	2.040E-05	2.087E-05	2.128E-05	2.154E-05	2.155E-05	2.319E-04
6.00E -01----8.00E-01	1.867E-05	1.928E-05	1.98E-05	2.040E-05	2.087E-05	2.128E-05	2.154E-05	2.155E-05	2.319E-04
4.00E -01----6.00E-01	2.605E-05	2.680E-05	2.751E-05	2.815E-05	2.871E-05	2.920E-05	2.950E-05	2.972E-05	2.582E-04
3.00E -01----4.00E-01	1.759E-04	1.789E-04	1.811E-04	1.843E-04	1.866E-04	1.885E-04	1.897E-04	1.907E-04	2.193E-03
2.00E -01----3.00E-01	1.049E-04	1.062E-04	1.07E-04	1.086E-04	1.096E-04	1.10E-04	1.109E-04	1.110E-04	1.310E-03
1.00E -01----2.00E-01	1.874E-04	1.884E-04	1.894E-04	1.902E-04	1.910E-04	1.916E-04	1.920E-04	1.920E-04	2.350E-03
5.00E -02----1.00E-01	1.019E-03	1.028E-03	1.030E-03	1.034E-03	1.041E-03	1.041E-03	1.041E-03	1.041E-03	1.270E-02
2.00E -02----5.00E-02	2.034E-03	2.073E-03	2.088E-03	2.095E-03	2.100E-03	2.104E-03	2.105E-03	2.105E-03	2.588E-02

4 PI R**2 FLUENCE AT 150.0 METERS

1.108 TO 2.35 MEV NEUTRON SOURCE

(GAMMAS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
8.00E-10---1.00E-01	MU=-0.9894	MU=-0.9446	MU=0.8656	MU=-0.7550	MU=-0.6179	MU=-0.4580	MU=-0.2816	MU=-0.0950	MU=-0.177E-06
5.718E-06	5.718E-06	5.786E-06	5.892E-06	6.049E-06	6.256E-06	6.513E-06	6.821E-06	7.177E-06	
6.50E-06	1.184E-05	1.187E-05	1.198E-05	1.220E-05	1.252E-05	1.294E-05	1.347E-05	1.410E-05	1.483E-05
5.00E-06	1.330E-04	1.333E-04	1.345E-04	1.369E-04	1.403E-04	1.449E-04	1.507E-04	1.565E-04	1.653E-04
4.00E-06	3.683E-05	3.693E-05	3.731E-05	3.805E-05	3.914E-05	4.059E-05	4.239E-05	4.454E-05	4.703E-05
3.00E-06	6.511E-05	6.527E-05	6.590E-05	6.712E-05	6.892E-05	7.129E-05	7.425E-05	7.777E-05	8.183E-05
2.50E-06	1.745E-05	1.751E-05	1.827E-05	1.927E-05	2.002E-05	2.075E-05	2.155E-05	2.275E-05	2.451E-05
2.00E-06	3.00E-00	1.963E-05	1.977E-05	2.005E-05	2.062E-05	2.145E-05	2.255E-05	2.394E-05	2.561E-05
1.66E-06	2.00E-00	2.298E-05	2.307E-05	2.340E-05	2.404E-05	2.500E-05	2.627E-05	2.786E-05	2.977E-05
1.33E-06	1.66E-00	2.766E-05	2.776E-05	2.816E-05	2.893E-05	3.006E-05	3.156E-05	3.344E-05	3.828E-05
1.00E-06	1.33E-00	3.623E-05	3.636E-05	3.687E-05	3.786E-05	3.931E-05	4.123E-05	4.360E-05	4.964E-05
8.00E-06	-0.1E-00	4.937E-05	4.954E-05	5.021E-05	5.152E-05	5.343E-05	5.592E-05	5.898E-05	6.257E-05
6.00E-06	-0.1E-01	7.136E-05	7.159E-05	7.251E-05	7.428E-05	7.684E-05	8.016E-05	8.418E-05	8.882E-05
4.00E-06	-6.0E-01	2.734E-04	2.740E-04	2.760E-04	2.800E-04	2.858E-04	2.938E-04	3.017E-04	3.157E-04
3.00E-06	-1.4.00E-01	3.420E-04	3.426E-04	3.447E-04	3.489E-04	3.547E-04	3.619E-04	3.703E-04	3.795E-04
2.00E-06	-0.1E-01	6.740E-04	6.743E-04	6.754E-04	6.776E-04	6.808E-04	6.850E-04	6.901E-04	6.960E-04
1.00E-06	-2.00E-01	1.811E-03	1.817E-03	1.825E-03	1.836E-03	1.866E-03	1.886E-03	1.909E-03	1.933E-03
5.00E-06	-1.00E-01	4.526E-03	4.534E-03	4.549E-03	4.570E-03	4.597E-03	4.629E-03	4.665E-03	4.704E-03
2.00E-06	-5.00E-02	1.242E-03	1.243E-03	1.245E-03	1.247E-03	1.250E-03	1.254E-03	1.258E-03	1.263E-03
8.00E-11	MU= 0.0950	MU= 0.2816	MU= 0.4580	MU= 0.7550	MU= 0.8666	MU= 0.9446	MU= 0.9894		
6.50E-11	8.008E-06	5.577E-06	8.460E-06	8.915E-06	9.335E-06	9.705E-06	9.976E-06	1.012E-05	3.499E-05
5.00E-11	1.564E-05	1.745E-05	1.833E-05	1.935E-05	1.945E-05	2.034E-05	2.085E-05	2.127E-05	2.182E-05
4.00E-11	4.998E-05	5.287E-05	5.606E-05	5.927E-05	6.225E-05	6.486E-05	6.678E-05	6.780E-05	6.251E-04
3.00E-11	9.015E-05	9.130E-05	9.645E-05	1.015E-04	1.064E-04	1.105E-04	1.136E-04	1.152E-04	1.083E-03
2.50E-11	2.867E-05	3.096E-05	3.322E-05	3.733E-05	3.544E-05	3.733E-05	3.871E-05	3.945E-05	3.330E-04
2.00E-11	2.50E-00	2.976E-05	3.467E-05	3.720E-05	3.955E-05	4.160E-05	4.309E-05	4.390E-05	3.735E-04
1.66E-11	-2.00E-01	3.450E-05	3.720E-05	4.003E-05	4.286E-05	4.546E-05	4.772E-05	4.931E-05	5.026E-05
1.33E-11	-1.66E-01	4.119E-05	4.431E-05	4.755E-05	5.078E-05	5.369E-05	5.622E-05	5.906E-05	5.149E-04
1.00E-11	-1.33E-01	5.323E-05	5.701E-05	6.090E-05	6.411E-05	6.814E-05	7.108E-05	7.220E-05	6.630E-04
8.00E-11	-1.00E-01	7.107E-05	7.569E-05	8.037E-05	8.487E-05	8.888E-05	9.226E-05	9.648E-05	8.819E-04
6.00E-11	-8.00E-01	9.951E-05	1.052E-04	1.107E-04	1.160E-04	1.207E-04	1.245E-04	1.273E-04	1.230E-03
4.00E-11	-6.00E-01	3.333E-04	3.447E-04	3.557E-04	3.660E-04	3.750E-04	3.824E-04	3.903E-04	4.138E-03
3.00E-11	-4.00E-01	3.998E-04	4.093E-04	4.189E-04	4.277E-04	4.353E-04	4.415E-04	4.482E-04	4.960E-03
2.00E-11	-3.00E-01	7.000E-04	7.175E-04	7.324E-04	7.388E-04	7.481E-04	7.501E-04	8.901E-03	
1.00E-11	-2.00E-01	1.932E-03	1.955E-03	1.976E-03	2.015E-03	2.030E-03	2.040E-03	2.417E-02	
5.00E-11	-1.00E-01	4.784E-03	4.823E-03	4.859E-03	4.890E-03	4.915E-03	4.933E-03	5.943E-03	
2.00E-11	-5.00E-02	1.268E-03	1.272E-03	1.281E-03	1.287E-03	1.289E-03	1.290E-03	1.290E-02	
8.00E-12	MU= 0.0950	MU= 0.2816	MU= 0.4580	MU= 0.7550	MU= 0.8666	MU= 0.9446	MU= 0.9894		
6.50E-12	8.008E-06	5.577E-06	8.460E-06	8.915E-06	9.335E-06	9.705E-06	9.976E-06	1.012E-05	
5.00E-12	1.564E-05	1.745E-05	1.833E-05	1.935E-05	1.945E-05	2.034E-05	2.085E-05	2.127E-05	
4.00E-12	4.998E-05	5.287E-05	5.606E-05	5.927E-05	6.225E-05	6.486E-05	6.678E-05	6.780E-05	
3.00E-12	9.015E-05	9.130E-05	9.645E-05	1.015E-04	1.064E-04	1.105E-04	1.136E-04	1.152E-04	
2.50E-12	2.867E-05	3.096E-05	3.322E-05	3.733E-05	3.544E-05	3.733E-05	3.871E-05	3.945E-05	
2.00E-12	2.50E-00	2.976E-05	3.467E-05	3.720E-05	3.955E-05	4.160E-05	4.309E-05	4.390E-05	
1.66E-12	-2.00E-01	3.450E-05	3.720E-05	4.003E-05	4.286E-05	4.546E-05	4.772E-05	4.931E-05	
1.33E-12	-1.66E-01	4.119E-05	4.431E-05	4.755E-05	5.078E-05	5.369E-05	5.622E-05	5.906E-05	
1.00E-12	-1.33E-01	5.323E-05	5.701E-05	6.090E-05	6.411E-05	6.814E-05	7.108E-05	7.220E-05	
8.00E-12	-1.00E-01	7.107E-05	7.569E-05	8.037E-05	8.487E-05	8.888E-05	9.226E-05	9.648E-05	
6.00E-12	-8.00E-01	9.951E-05	1.052E-04	1.107E-04	1.160E-04	1.207E-04	1.245E-04	1.273E-04	
4.00E-12	-6.00E-01	3.333E-04	3.447E-04	3.557E-04	3.660E-04	3.750E-04	3.824E-04	3.903E-04	
3.00E-12	-4.00E-01	3.998E-04	4.093E-04	4.189E-04	4.277E-04	4.353E-04	4.415E-04	4.482E-04	
2.00E-12	-3.00E-01	7.000E-04	7.175E-04	7.324E-04	7.388E-04	7.481E-04	7.501E-04	8.901E-03	
1.00E-12	-2.00E-01	1.932E-03	1.955E-03	1.976E-03	2.015E-03	2.030E-03	2.040E-03	2.417E-02	
5.00E-12	-1.00E-01	4.784E-03	4.823E-03	4.859E-03	4.890E-03	4.915E-03	4.933E-03	5.943E-03	
2.00E-12	-5.00E-02	1.268E-03	1.272E-03	1.281E-03	1.287E-03	1.289E-03	1.290E-03	1.290E-02	

4 PI R**2 FLUENCE AT 200.0 METERS

1.108 TO 2.35 MEV NEUTRON SOURCE

(GAMMAS/NEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=-1.0000	ANGLE 2 MU=-0.9894	ANGLE 3 MU=-0.9446	ANGLE 4 MU=-0.8656	ANGLE 5 MU=-0.7550	ANGLE 6 MU=-0.6179	ANGLE 7 MU=-0.4580	ANGLE 8 MU=-0.2816	ANGLE 9 MU=-0.0950
8.00E 00----1.00E 01	8.652E-06	8.678E-06	8.781E-06	8.982E-06	9.281E-06	9.580E-06	1.019E-05	1.080E-05	1.154E-05
6.50E 00----8.00E 00	1.792E-05	1.798E-05	1.819E-05	1.860E-05	1.921E-05	2.003E-05	2.177E-05	2.333E-05	2.383E-05
5.00E 00----6.50E 00	2.017E-04	2.045E-04	2.157E-04	2.216E-04	2.157E-04	2.358E-04	2.495E-04	2.495E-04	2.656E-04
4.00E 00----5.00E 00	5.549E-05	5.567E-05	5.639E-05	5.780E-05	5.989E-05	6.263E-05	6.621E-05	7.052E-05	7.566E-05
3.00E 00----4.00E 00	9.849E-05	9.879E-05	9.988E-05	1.023E-04	1.058E-04	1.103E-04	1.161E-04	1.232E-04	1.316E-04
2.50E 00----3.00E 00	2.564E-05	2.575E-05	2.625E-05	2.720E-05	2.862E-05	3.297E-05	3.964E-05	3.964E-05	3.964E-05
2.00E 00----2.50E 00	2.902E-05	2.915E-05	2.969E-05	3.075E-05	3.233E-05	3.466E-05	3.720E-05	4.058E-05	4.464E-05
1.66E 00----2.00E 00	3.394E-05	3.410F-05	3.472E-05	3.594E-05	3.777E-05	4.023E-05	4.339E-05	4.728E-05	5.194E-05
1.33E 00----1.66E 00	4.197E-05	4.115E-05	4.190E-05	4.336E-05	4.849E-05	5.455E-05	5.685E-05	6.233E-05	6.233E-05
1.00E 00----1.33E 00	5.389E-05	5.413E-05	5.511E-05	5.703E-05	5.986E-05	6.366E-05	6.867E-05	7.431E-05	8.119E-05
8.00E-01----1.00E 00	7.388E-05	7.421E-05	7.554E-05	7.813E-05	8.194E-05	8.697E-05	9.327E-05	1.008E-04	1.096E-04
6.00E-01----8.00E-01	1.079E-04	1.083E-04	1.102E-04	1.138E-04	1.191E-04	1.259E-04	1.344E-04	1.443E-04	1.556E-04
4.00E-01----6.00E-01	4.304E-04	4.359E-04	4.444E-04	4.564E-04	4.718E-04	4.903E-04	5.115E-04	5.347E-04	5.347E-04
3.00E-01----4.00E-01	5.472E-04	5.538E-04	5.626E-04	5.754E-04	5.913E-04	6.097E-04	6.299E-04	6.514E-04	6.514E-04
2.00E-01----3.00E-01	1.118E-03	1.121E-03	1.125E-03	1.131E-03	1.140E-03	1.150E-03	1.163E-03	1.177E-03	1.177E-03
1.00E-01----2.00E-01	3.004E-03	3.033E-03	3.078E-03	3.127E-03	3.170E-03	3.216E-03	3.261E-03	3.261E-03	3.261E-03
5.00E-02----1.00E-01	7.581E-03	7.577E-03	7.599E-03	7.632E-03	7.676E-03	7.806E-03	7.885E-03	7.971E-03	7.971E-03
2.00E-02----5.00E-02	2.097E-03	2.097E-03	2.100E-03	2.104E-03	2.109E-03	2.116E-03	2.125E-03	2.134E-03	2.144E-03
ENERGY GROUP (MEV)	ANGLE 10 MU= 0.0930	ANGLE 11 MU= 0.2816	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9894	SCALAR FLUX
8.00E 00----1.00E 01	1.238E-05	1.333E-05	1.435E-05	1.541E-05	1.644E-05	1.737E-05	1.849E-05	1.969E-04	1.569E-04
6.50E 00----8.00E 00	2.555E-05	2.497E-05	2.957E-05	3.173E-05	3.383E-05	3.570E-05	3.798E-05	3.798E-05	3.236E-04
5.00E 00----6.50E 00	3.050E-04	3.273E-04	3.504E-04	3.727E-04	3.926E-04	4.080E-04	4.168E-04	4.168E-04	3.595E-03
4.00E 00----5.00E 00	8.160E-05	8.829E-05	9.554E-05	1.031E-04	1.104E-04	1.170E-04	1.221E-04	1.250E-04	1.036E-03
3.00E 00----4.00E 00	1.412E-04	1.637E-04	1.757E-04	1.874E-04	1.978E-04	2.058E-04	2.104E-04	2.104E-04	1.788E-03
2.50E 00----3.00E 00	4.391E-05	5.607E-05	5.962E-05	6.504E-05	6.989E-05	7.362E-05	7.776E-05	7.776E-05	5.617E-04
2.00E 00----2.50E 00	5.475E-05	6.058E-05	6.664E-05	7.251E-05	7.772E-05	8.173E-05	8.401E-05	8.401E-05	6.301E-04
1.66E 00----2.00E 00	6.344E-05	6.999E-05	7.673E-05	8.321E-05	8.892E-05	9.328E-05	9.577E-05	9.577E-05	7.292E-04
1.32E 00----1.66E 00	6.863E-05	7.567E-05	8.317E-05	9.080E-05	9.806E-05	1.046E-04	1.092E-04	1.119E-04	8.688E-04
1.00E 00----1.33E 00	8.900E-05	9.757E-05	1.066E-04	1.155E-04	1.239E-04	1.312E-04	1.366E-04	1.396E-04	1.119E-03
8.00E-01----1.00E 00	1.193E-04	1.298E-04	1.435E-04	1.511E-04	1.607E-04	1.689E-04	1.749E-04	1.782E-04	1.488E-03
6.00E-01----8.00E-01	1.678E-04	1.806E-04	1.933E-04	2.055E-04	2.164E-04	2.254E-04	2.356E-04	2.356E-04	2.076E-03
4.00E-01----6.00E-01	5.593E-04	6.091E-04	6.323E-04	6.529E-04	6.699E-04	6.823E-04	6.921E-04	6.921E-04	6.921E-03
3.00E-01----4.00E-01	6.734E-04	6.953E-04	7.164E-04	7.360E-04	7.532E-04	7.673E-04	7.775E-04	7.832E-04	8.338E-03
2.00E-01----3.00E-01	1.193E-03	1.210E-03	1.227E-03	1.244E-03	1.259E-03	1.272E-03	1.287E-03	1.287E-03	1.496E-02
1.00E-01----2.00E-01	3.266E-03	3.317E-03	3.366E-03	3.413E-03	3.455E-03	3.489E-03	3.513E-03	3.513E-03	4.084E-02
5.00E-02----1.00E-01	8.060E-03	8.151E-03	8.239E-03	8.321E-03	8.393E-03	8.452E-03	8.518E-03	8.518E-03	1.005E-01
2.00E-02----5.00E-02	2.154E-03	2.165E-03	2.175E-03	2.184E-03	2.192E-03	2.198E-03	2.203E-03	2.203E-03	2.702E-02

4 PI R**2 FLUENCE AT 300.0 METERS

1.108 TO 2.35 MEV NEUTRON SOURCE

(GAMMAS/MEV/STERADIANT/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
8.00E 00---1.00E 01	MU=-0.9894	MU=-0.9446	MU=0.8656	MU=-0.7550	MU=-0.6179	MU=-0.4580	MU=-0.2816	MU=-0.0950	MU=0.990E-05
6.50E 00---8.00E 00	1.348E-05	1.354E-05	1.375E-05	1.416E-05	1.479E-05	1.567E-05	1.675E-05	1.816E-05	1.990E-05
5.00E 00---6.50E 00	2.795E-05	2.806E-05	2.850E-05	2.936E-05	3.064E-05	3.239E-05	3.466E-05	3.754E-05	4.110E-05
4.00E 00---5.00E 00	3.154E-04	3.213E-04	3.307E-04	3.447E-04	3.63E-04	3.884E-04	4.195E-04	4.579E-04	5.079E-04
3.00E 00---4.00E 00	8.576E-05	8.614E-05	8.765E-05	9.062E-05	9.502E-05	1.010E-04	1.087E-04	1.186E-04	1.308E-04
2.50E 00---3.00E 00	1.533E-04	1.540E-04	1.564E-04	1.613E-04	1.686E-04	1.784E-04	1.912E-04	2.073E-04	2.273E-04
2.00E 00---2.50E 00	3.805E-05	3.829E-05	3.929E-05	4.125E-05	4.420E-05	4.822E-05	5.359E-05	6.931E-05	1.108E-05
1.66E 00---2.00E 00	4.328E-05	4.463E-05	4.680E-05	4.908E-05	5.008E-05	5.466E-05	6.076E-05	6.868E-05	7.870E-05
1.33E 00---1.66E 00	5.090E-05	5.120E-05	5.245E-05	5.594E-05	5.875E-05	6.408E-05	7.121E-05	8.043E-05	9.070E-05
1.00E 00---1.33E 00	6.175E-05	6.209E-05	6.360E-05	6.662E-05	7.124E-05	7.777E-05	8.630E-05	9.738E-05	1.113E-04
8.00E -01---1.00E 00	8.163E-04	8.218E-05	8.425E-05	8.336E-05	9.456E-05	1.031E-04	1.144E-04	1.288E-04	1.466E-04
6.00E -01---8.00E -01	1.130E-04	1.138E-04	1.167E-04	1.226E-04	1.312E-04	1.439E-04	1.583E-04	1.775E-04	2.007E-04
4.00E -01---6.00E -01	1.680E-04	1.691E-04	1.735E-04	1.821E-04	1.947E-04	2.116E-04	2.331E-04	2.592E-04	2.898E-04
3.00E -01---4.00E -01	9.556E-04	9.591E-04	9.739E-04	9.998E-04	1.036E-03	1.081E-03	1.132E-03	1.187E-03	1.246E-03
2.00E -01---3.00E -01	2.111E-03	2.116E-03	2.125E-03	2.139E-03	2.158E-03	2.183E-03	2.214E-03	2.254E-03	2.295E-03
1.00E -01---2.00E -01	5.679E-03	5.682E-03	5.706E-03	5.752E-03	5.816E-03	5.899E-03	6.000E-03	6.116E-03	6.245E-03
5.00E -02---1.00E -02	1.464E-02	1.468E-02	1.477E-02	1.490E-02	1.505E-02	1.525E-02	1.547E-02	1.571E-02	1.591E-02
2.00E -02---5.00E -02	4.112E-03	4.113E-03	4.119E-03	4.130E-03	4.145E-03	4.165E-03	4.188E-03	4.214E-03	4.233E-03
ENERGY GROUP (MEV)	ANGLE 10	ANGLE 11	ANGLE 12	ANGLE 13	ANGLE 14	ANGLE 15	ANGLE 16	ANGLE 17	SCALAR FLUX
8.00E 00---1.00E 01	MU= 0.0950	MU= 0.2816	MU= 0.4580	MU= 0.6179	MU= 0.7550	MU= 0.8656	MU= 0.9446	MU= 0.9894	MU= 0.9894
6.50E 00---8.00E 00	2.202E-05	2.454E-05	2.745E-05	3.099E-05	3.407E-05	3.731E-05	4.000E-05	4.166E-05	4.166E-05
5.00E 00---6.50E 00	4.542E-05	5.056E-05	5.648E-05	6.305E-05	6.990E-05	7.646E-05	8.189E-05	8.525E-05	8.525E-05
4.00E 00---5.00E 00	1.459E-04	1.638E-04	1.846E-04	2.079E-04	2.323E-04	2.551E-04	2.751E-04	2.871E-04	2.924E-04
3.00E 00---4.00E 00	2.516E-04	2.804E-04	3.135E-04	3.502E-04	3.883E-04	4.247E-04	4.545E-04	4.730E-04	3.295E-03
2.00E 00---3.00E 00	9.420E-05	1.071E-05	1.101E-04	1.279E-04	1.467E-04	1.647E-04	1.795E-04	1.886E-04	1.093E-03
2.00E 00---2.50E 00	9.114E-04	1.062E-04	1.237E-04	1.432E-04	1.634E-04	1.822E-04	1.981E-04	2.076E-04	1.227E-03
1.66E 00---2.00E 00	1.064E-04	1.235E-04	1.433E-04	1.630E-04	1.871E-04	2.077E-04	2.243E-04	2.343E-04	1.420E-03
1.33E 00---1.66E 00	1.282E-04	1.481E-04	1.708E-04	1.952E-04	2.198E-04	2.422E-04	2.599E-04	2.705E-04	1.692E-03
1.00E 00---1.33E 00	1.679E-04	1.925E-04	2.197E-04	2.482E-04	2.760E-04	3.006E-04	3.197E-04	3.310E-04	2.180E-03
8.00E -01---1.00E 00	2.277E-04	2.580E-04	2.905E-04	3.232E-04	3.541E-04	3.808E-04	4.010E-04	4.127E-04	2.898E-03
6.00E -01---8.00E -01	3.243E-04	3.613E-04	3.993E-04	4.362E-04	4.697E-04	4.97E-04	5.185E-04	5.304E-04	4.041E-03
4.00E -01---6.00E -01	1.070E-03	1.140E-03	1.210E-03	1.277E-03	1.337E-03	1.388E-03	1.426E-03	1.448E-03	1.323E-02
3.00E -01---4.00E -01	1.305E-03	1.423E-03	1.479E-03	1.528E-03	1.57E-03	1.620E-03	1.668E-03	1.698E-03	1.620E-02
2.00E -01---3.00E -01	2.294E-03	2.341E-03	2.392E-03	2.442E-03	2.489E-03	2.53E-03	2.561E-03	2.579E-03	2.886E-02
1.00E -01---2.00E -01	6.388E-03	6.528E-03	6.673E-03	6.811E-03	7.04E-03	7.117E-03	7.162E-03	7.179E-03	7.179E-02
5.00E -02---1.00E -01	1.597E-02	1.623E-02	1.649E-02	1.673E-02	1.71E-02	1.726E-02	1.734E-02	1.744E-02	1.99E-01
2.00E -02---5.00E -02	4.273E-03	4.332E-03	4.330E-03	4.339E-03	4.402E-03	4.416E-03	4.424E-03	4.434E-03	5.355E-02

4 PI R**2 FLUENCE AT 400.0 METERS

1.108 TO 2.35 MEV NEUTRON SOURCE

(GAMMAS / MEV / STERADIAN / SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
8.00E 00----1.00E 01	MU= -0.98946	MU= -0.86565	MU= -0.7550	MU= -0.6179	MU= -0.4580	MU= -0.2816	MU= -0.0950		
6.50E 00----8.00E 00	1.578E-05	1.615E-05	1.674E-05	1.761E-05	1.883E-05	2.045E-05	2.250E-05	2.527E-05	
5.00E 00----6.50E 00	3.288E-C5	3.350E-05	3.471E-05	3.651E-05	3.901E-05	4.232E-05	4.664E-05	5.219E-05	
4.00E 00----5.00E 00	3.701E-04	3.718E-04	3.785E-04	3.917E-04	4.114E-04	4.385E-04	4.745E-04	5.808E-04	
3.00E 00----4.00E 00	9.957E-05	1.001E-04	1.023E-04	1.066E-04	1.129E-04	1.214E-04	1.327E-04	1.475E-04	1.667E-04
2.50E 00----3.00E 00	1.792E-04	1.801E-04	1.837E-04	1.906E-04	2.008E-04	2.149E-04	2.336E-04	2.579E-04	2.891E-04
2.00E 00----2.50E 00	4.279E-05	4.313E-05	4.455E-05	4.732E-05	5.148E-05	5.732E-05	6.529E-05	7.602E-05	9.032E-05
1.66E 00----2.00E 00	4.908E-05	4.943E-05	5.089E-05	5.384E-05	5.842E-05	6.501E-05	7.410E-05	8.637E-05	1.026E-04
1.33E 00----1.66E 00	5.811E-05	5.849E-05	6.010E-05	6.343E-05	6.872E-05	7.547E-05	8.724E-05	1.011E-04	1.209E-04
1.00E 00----1.33E 00	7.076E-05	7.121E-05	7.318E-05	7.725E-05	8.374E-05	9.326E-05	1.065E-04	1.241E-04	1.473E-04
8.00E-01----1.00E 00	9.384E-05	9.453E-05	9.741E-05	1.032E-04	1.123E-04	1.252E-04	1.429E-04	1.969E-04	
6.00E-01----8.00E-01	1.315E-04	1.340E-04	1.361E-04	1.448E-04	1.580E-04	1.765E-04	2.012E-04	2.336E-04	2.743E-04
4.00E-01----6.00E-01	1.968E-04	1.985E-04	2.056E-04	2.192E-04	2.394E-04	2.671E-04	3.033E-04	3.492E-04	4.051E-04
3.00E-01----4.00E-01	9.284E-04	9.329E-04	9.515E-04	9.873E-04	1.039E-03	1.194E-03	1.296E-03	1.410E-03	
2.00E-01----3.00E-01	3.016E-03	3.018E-03	3.028E-03	3.038E-03	3.059E-03	3.087E-03	3.126E-03	3.176E-03	3.239E-03
1.00E-01----2.00E-01	8.123E-03	8.134E-03	8.176E-03	8.256E-03	8.370E-03	8.517E-03	8.697E-03	8.907E-03	9.143E-03
5.00E-02----1.00E-01	2.143E-02	2.141E-02	2.151E-02	2.190E-02	2.205E-02	2.255E-02	2.342E-02		
2.00E-02----5.00E-02	6.106E-03	6.109E-03	6.120E-03	6.140E-03	6.169E-03	6.205E-03	6.248E-03	6.298E-03	6.352E-03
ENERGY GROUP (MEV)	ANGLE 10	ANGLE 11	ANGLE 12	ANGLE 13	ANGLE 14	ANGLE 15	ANGLE 16	ANGLE 17	SCALAR FLUX
8.00E 00----1.00E 01	MU= 0.0950	MU= 0.2816	MU= 0.4580	MU= 0.6179	MU= 0.7550	MU= 0.8656	MU= 0.9446	MU= 0.9894	
6.50E 00----8.00E 00	3.030E-05	3.838E-05	3.838E-05	4.469E-05	5.179E-05	5.912E-05	6.563E-05	6.993E-05	3.966E-04
5.00E 00----6.50E 00	5.922E-05	6.803E-05	7.882E-05	9.160E-05	1.049E-04	1.207E-04	1.338E-04	1.422E-04	
4.00E 00----5.00E 00	7.497E-04	8.616E-04	8.638E-04	9.980E-04	1.148E-03	1.301E-03	1.436E-03	1.522E-03	8.969E-03
3.00E 00----4.00E 00	1.913E-04	2.224E-04	2.609E-04	3.069E-04	3.589E-04	4.126E-04	4.603E-04	4.911E-04	2.672E-03
2.50E 00----3.00E 00	3.288E-04	3.784E-04	4.391F-04	5.108E-04	5.907E-04	6.723E-04	7.439E-04	7.908E-04	4.527E-03
2.00E 00----2.50E 00	1.094E-04	1.642E-04	1.642E-04	2.151E-04	2.431E-04	2.860E-04	3.236E-04	3.488E-04	1.605E-03
1.66E 00----2.00E 00	1.239E-04	1.513E-04	1.853E-04	2.259E-04	2.709E-04	3.161E-04	3.550E-04	3.798E-04	1.803E-03
1.33E 00----1.66E 00	1.772E-04	2.143E-04	2.159E-04	2.611E-04	3.101E-04	3.581E-04	3.985E-04	4.239E-04	2.087E-03
1.00E 00----1.33E 00	2.352E-04	2.817E-04	3.358E-04	3.949E-04	4.546E-04	4.148E-04	4.826E-04	2.488E-03	
8.00E-01----1.00E 00	3.241E-04	3.824E-04	4.469E-04	5.138E-04	5.784E-04	6.350E-04	6.783E-04	5.785E-04	3.205E-03
6.00E-01----8.00E-01	4.699E-04	5.414E-04	6.160E-04	6.893E-04	7.566E-04	8.133E-04	8.556E-04	8.801E-04	5.936E-03
4.00E-01----6.00E-01	1.534E-03	1.664E-03	1.794E-03	1.919E-03	2.035E-03	2.134E-03	2.210E-03	2.255E-03	1.898E-02
3.00E-01----4.00E-01	1.902E-03	2.009E-03	2.118E-03	2.217E-03	2.312E-03	2.456E-03	2.493E-03	2.322E-02	
2.00E-01----3.00E-01	3.315E-03	3.402E-03	3.497E-03	3.595E-03	3.690E-03	3.774E-03	3.838E-03	3.876E-03	4.189E-02
1.00E-01----2.00E-01	9.402E-03	9.674E-03	9.951E-03	1.022E-02	1.047E-02	1.068E-02	1.093E-02	1.092E-02	1.176E-01
5.00E-02----1.00E-01	2.391E-02	2.441E-02	2.492E-02	2.540E-02	2.583E-02	2.619E-02	2.662E-02	2.662E-02	2.989E-01
2.00E-02----5.00E-02	6.400E-03	6.466E-03	6.522E-03	6.575E-03	6.622E-03	6.660E-03	6.688E-03	6.704E-03	8.028E-02

4 PI R**2 FLUENCE AT 500.0 METERS

1.108 TO 2.35 MEV NEUTRON SOURCE

(GAMMAS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
8.00E-00---1.00E-00	MU=-1.000	MU=0.9894	MU=-0.9446	MU=-0.8656	MU=-0.6179	MU=-0.4580	MU=-0.2810	MU=-0.0950	MU=-0.666E-05
1.568E-05	1.568E-05	1.601E-05	1.637E-05	1.765E-05	1.902E-05	2.089E-05	2.338E-05	2.666E-05	2.666E-05
3.234E-05	3.251E-05	3.221E-05	3.457E-05	4.661E-05	3.943E-05	4.325E-05	4.834E-05	5.504E-05	5.504E-05
6.50E-00---8.00E-00	6.50E-00	6.50E-00	6.50E-00	6.50E-00	6.50E-00	6.50E-00	6.50E-00	6.50E-00	6.50E-00
3.664E-04	3.683E-04	3.759E-04	3.907E-04	4.128E-04	4.436E-04	4.849E-04	5.399E-04	5.933E-04	6.124E-04
5.00E-00---5.00E-00	5.00E-00	5.00E-00	5.00E-00	5.00E-00	5.00E-00	5.00E-00	5.00E-00	5.00E-00	5.00E-00
9.808E-05	9.740E-05	1.008E-04	1.058E-04	1.130E-04	1.227E-04	1.530E-04	1.825E-04	2.124E-04	2.124E-04
4.00E-00---5.00E-00	4.00E-00	4.00E-00	4.00E-00	4.00E-00	4.00E-00	4.00E-00	4.00E-00	4.00E-00	4.00E-00
3.00E-00---4.00E-00	3.00E-00	3.00E-00	3.00E-00	3.00E-00	3.00E-00	3.00E-00	3.00E-00	3.00E-00	3.00E-00
2.50E-00---3.00E-00	2.50E-00	2.50E-00	2.50E-00	2.50E-00	2.50E-00	2.50E-00	2.50E-00	2.50E-00	2.50E-00
2.00E-00---2.50E-00	2.00E-00	2.00E-00	2.00E-00	2.00E-00	2.00E-00	2.00E-00	2.00E-00	2.00E-00	2.00E-00
1.66E-00---2.00E-00	1.66E-00	1.66E-00	1.66E-00	1.66E-00	1.66E-00	1.66E-00	1.66E-00	1.66E-00	1.66E-00
1.32E-00---1.66E-00	1.32E-00	1.32E-00	1.32E-00	1.32E-00	1.32E-00	1.32E-00	1.32E-00	1.32E-00	1.32E-00
1.00E-00---1.33E-00	1.00E-00	1.00E-00	1.00E-00	1.00E-00	1.00E-00	1.00E-00	1.00E-00	1.00E-00	1.00E-00
8.00E-01---1.00E-00	8.00E-01	8.00E-01	8.00E-01	8.00E-01	8.00E-01	8.00E-01	8.00E-01	8.00E-01	8.00E-01
6.00E-01---8.00E-01	6.00E-01	6.00E-01	6.00E-01	6.00E-01	6.00E-01	6.00E-01	6.00E-01	6.00E-01	6.00E-01
4.00E-01---6.00E-01	4.00E-01	4.00E-01	4.00E-01	4.00E-01	4.00E-01	4.00E-01	4.00E-01	4.00E-01	4.00E-01
3.00E-01---4.00E-01	3.00E-01	3.00E-01	3.00E-01	3.00E-01	3.00E-01	3.00E-01	3.00E-01	3.00E-01	3.00E-01
2.00E-01---3.00E-01	2.00E-01	2.00E-01	2.00E-01	2.00E-01	2.00E-01	2.00E-01	2.00E-01	2.00E-01	2.00E-01
1.00E-01---2.00E-01	1.00E-01	1.00E-01	1.00E-01	1.00E-01	1.00E-01	1.00E-01	1.00E-01	1.00E-01	1.00E-01
5.00E-02---1.00E-01	5.00E-02	5.00E-02	5.00E-02	5.00E-02	5.00E-02	5.00E-02	5.00E-02	5.00E-02	5.00E-02
2.00E-02---5.00E-02	2.00E-02	2.00E-02	2.00E-02	2.00E-02	2.00E-02	2.00E-02	2.00E-02	2.00E-02	2.00E-02
1.33E-00---1.66E-00	1.33E-00	1.33E-00	1.33E-00	1.33E-00	1.33E-00	1.33E-00	1.33E-00	1.33E-00	1.33E-00
1.00E-00---1.33E-00	1.00E-00	1.00E-00	1.00E-00	1.00E-00	1.00E-00	1.00E-00	1.00E-00	1.00E-00	1.00E-00
8.00E-01---1.00E-00	8.00E-01	8.00E-01	8.00E-01	8.00E-01	8.00E-01	8.00E-01	8.00E-01	8.00E-01	8.00E-01
6.00E-01---8.00E-01	6.00E-01	6.00E-01	6.00E-01	6.00E-01	6.00E-01	6.00E-01	6.00E-01	6.00E-01	6.00E-01
4.00E-01---6.00E-01	4.00E-01	4.00E-01	4.00E-01	4.00E-01	4.00E-01	4.00E-01	4.00E-01	4.00E-01	4.00E-01
3.00E-01---4.00E-01	3.00E-01	3.00E-01	3.00E-01	3.00E-01	3.00E-01	3.00E-01	3.00E-01	3.00E-01	3.00E-01
2.00E-01---3.00E-01	2.00E-01	2.00E-01	2.00E-01	2.00E-01	2.00E-01	2.00E-01	2.00E-01	2.00E-01	2.00E-01
1.00E-01---2.00E-01	1.00E-01	1.00E-01	1.00E-01	1.00E-01	1.00E-01	1.00E-01	1.00E-01	1.00E-01	1.00E-01
5.00E-02---1.00E-01	5.00E-02	5.00E-02	5.00E-02	5.00E-02	5.00E-02	5.00E-02	5.00E-02	5.00E-02	5.00E-02
2.00E-02---5.00E-02	2.00E-02	2.00E-02	2.00E-02	2.00E-02	2.00E-02	2.00E-02	2.00E-02	2.00E-02	2.00E-02

4 PI R**2 FLUENCE AT 600.0 METERS

1.108 TO 2.35 MEV NEUTRON SOURCE

(GAMMAS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
8.00E-00---1.00E-01	1.376E-05	1.384E-05	1.415E-05	1.480E-05	1.575E-05	1.709E-05	1.893E-05	2.144E-05	2.488E-05
6.50E-00---8.00E-00	2.849E-05	2.866E-05	2.936E-05	3.071E-05	3.269E-05	3.544E-05	3.920E-05	4.432E-05	5.130E-05
5.00E-00---6.50E-00	3.235E-04	3.328E-04	3.474E-04	3.988E-04	5.689E-04	8.398E-04	6.948E-04	5.695E-04	5.695E-04
4.00E-00---5.00E-00	8.464E-05	8.541E-05	8.841E-05	9.379E-05	1.010E-04	1.104E-04	1.230E-04	1.404E-04	1.644E-04
3.00E-00---4.00E-00	1.550E-04	1.561E-04	1.605E-04	1.686E-04	1.800E-04	1.950E-04	2.166E-04	2.455E-04	2.852E-04
2.50E-00---3.00E-00	3.479E-05	3.723E-05	3.699E-05	4.173E-05	4.306E-05	4.591E-05	4.914E-05	5.059E-05	5.300E-05
2.00E-00---2.50E-00	4.144E-05	4.173E-05	4.306E-05	4.591E-05	5.071E-05	5.819E-05	6.915E-05	8.482E-05	1.071E-04
1.66E-00---2.00E-00	5.037E-05	5.055E-05	5.158E-05	5.428E-05	5.964E-05	6.367E-05	8.216E-05	1.013E-04	1.281E-04
1.33E-00---1.66E-00	6.184E-05	6.204E-05	6.322E-05	6.631E-05	7.323E-05	8.464E-05	1.017E-04	1.257E-04	1.593E-04
1.00E-00---1.33E-00	8.095E-05	8.152E-05	8.418E-05	9.011E-05	1.004E-04	1.165E-04	1.400E-04	1.734E-04	2.203E-04
8.00E-01---1.00E-00	1.108E-04	1.123E-04	1.181E-04	1.293E-04	1.460E-04	1.703E-04	2.042E-04	2.528E-04	3.203E-04
6.00E-01---8.00E-01	1.708E-04	1.733E-04	1.836E-04	2.028E-04	2.306E-04	2.699E-04	3.250E-04	4.011E-04	5.011E-04
4.00E-01---6.00E-01	9.737E-04	9.801E-04	1.007E-03	1.061E-03	1.142E-03	1.255E-03	1.402E-03	1.579E-03	1.783E-03
3.00E-01---4.00E-01	1.866E-03	1.400E-03	1.454E-03	1.555E-03	1.689E-03	1.851E-03	2.028E-03	2.211E-03	2.393E-03
2.00E-01---3.00E-01	3.993E-03	3.995E-03	4.001E-03	4.014E-03	4.033E-03	4.052E-03	4.107E-03	4.174E-03	4.266E-03
1.00E-01---2.00E-01	1.073E-02	1.075E-02	1.096E-02	1.107E-02	1.140E-02	1.171E-02	1.208E-02	1.250E-02	1.288E-02
5.00E-02---1.00E-01	2.956E-02	2.960E-02	2.975E-02	3.004E-02	3.045E-02	3.098E-02	3.163E-02	3.239E-02	3.322E-02
2.00E-02---5.00E-02	6.643E-02	8.638E-03	8.663E-03	8.700E-03	8.752E-03	8.819E-03	8.900E-03	8.992E-03	9.093E-03

4 PI R**2 FLUENCE AT 900.0 METERS

1.1E8 TO 2.35 MEV NEUTRON SOURCE

(GAMMAS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=0.10000	ANGLE 2 MU=0.9894	ANGLE 3 MU=-0.9446	ANGLE 4 MU=-0.8656	ANGLE 5 MU=-0.7550	ANGLE 6 MU=-0.6179	ANGLE 7 MU=-0.4580	ANGLE 8 MU=-0.2816	ANGLE 9 MU=-0.0950
8.00E 00---1.00 E 01	6.170E-06	6.428E-06	6.807E-06	7.336E-06	7.959E-06	9.059E-06	9.68E-06	1.052E-05	1.265E-05
6.50E 00---8.00 E 00	1.277E-05	1.327E-05	1.415E-05	1.529E-05	1.677E-05	1.878E-05	2.017E-05	2.605E-05	2.605E-05
5.00E 00---6.50 E 00	1.450E-04	1.513E-04	1.603E-04	1.724E-04	1.884E-04	2.105E-04	2.422E-04	2.885E-04	2.885E-04
4.00E 00---5.00 E 00	3.839E-05	3.839E-05	4.630E-05	4.807E-05	5.308E-05	5.808E-05	6.822E-05	8.398E-05	8.398E-05
3.00E 00---4.00 E 00	6.667E-05	6.775E-05	7.176E-05	7.809E-05	9.302E-05	1.037E-04	1.201E-04	1.454E-04	1.454E-04
2.50E 00---3.00 E 00	1.332E-05	1.381E-05	1.558E-05	1.825E-05	2.110E-05	2.438E-05	2.921E-05	3.728E-05	5.058E-05
2.00E 00---2.50 E 00	1.951E-05	1.949E-05	2.032E-05	2.251E-05	2.687E-05	3.393E-05	4.437E-05	5.983E-05	5.983E-05
1.66E 00---2.00 E 00	2.671E-05	2.618E-05	2.462E-05	2.351E-05	2.545E-05	3.137E-05	4.121E-05	5.473E-05	7.36E-05
1.33E 00---1.66 E 00	3.357E-05	3.278E-05	3.044E-05	2.882E-05	3.134E-05	3.930E-05	5.222E-05	6.971E-05	9.446E-05
1.00E 00---1.33 E 00	3.965E-05	3.939E-05	3.900E-05	4.039E-05	4.603E-05	5.710E-05	7.415E-05	9.920E-05	1.380E-04
8.00E-01---1.00 E 00	4.598E-05	4.731E-05	5.142E-05	6.142E-05	7.301E-05	8.873E-05	1.128E-04	1.528E-04	2.188E-04
6.00E-01---8.00 E 01	7.359E-05	8.469E-05	1.018E-04	1.229E-04	1.516E-04	1.977E-04	2.724E-04	3.863E-04	3.863E-04
4.00E-01---6.00 E 01	6.132E-04	6.337E-04	6.775E-04	7.514E-04	8.641E-04	1.00E-03	1.218E-03	1.448E-03	1.448E-03
3.00E-01---4.00 E 01	9.072E-04	9.235E-04	9.915E-04	1.116E-03	1.286E-03	1.906E-03	2.089E-03	2.896E-03	2.896E-03
2.00E-01---3.00 E 01	3.500E-03	3.501E-03	3.501E-03	3.501E-03	3.498E-03	3.498E-03	3.501E-03	3.546E-03	3.618E-03
1.00E-01---2.00 E 01	9.274E-03	9.349E-03	9.487E-03	9.685E-03	9.947E-03	1.07E-02	1.066E-02	1.117E-02	1.117E-02
5.00E-02---1.00 E 01	2.689E-02	2.710E-02	2.762E-02	2.787E-02	2.846E-02	2.919E-02	3.104E-02	3.104E-02	3.104E-02
2.00E-02---5.00 E 07	8.055E-03	8.083E-03	8.124E-03	8.182E-03	8.258E-03	8.349E-03	8.455E-03	8.573E-03	8.573E-03
ENERGY GROUP (MEV)	ANGLE 11 MU= 0.0950	ANGLE 12 MU= 0.2816	ANGLE 13 MU= 0.4580	ANGLE 14 MU= 0.6179	ANGLE 15 MU= 0.7550	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9894	SCALAR FLUX	
8.00E 00---1.00 E 01	1.581E-05	2.058E-05	2.799E-05	3.972E-05	5.838E-05	8.641E-05	1.231E-04	1.577E-04	3.397E-04
6.50E 00---8.00 E 00	3.249E-05	4.214E-05	5.696E-05	8.035E-05	1.173E-04	1.724E-04	2.399E-04	3.107E-04	6.858E-04
5.00E 00---6.50 E 00	3.561E-04	4.560E-04	6.071E-04	8.411E-04	1.203E-03	1.733E-03	2.405E-03	3.032E-03	7.157E-03
4.00E 00---5.00 E 00	1.084E-04	1.448E-04	2.013E-04	2.622E-04	4.405E-04	6.641E-04	9.474E-04	1.201E-03	2.476E-03
3.00E 00---4.00 E 00	1.833E-04	2.397E-04	3.261E-04	4.621E-04	6.761E-04	9.834E-04	1.355E-03	1.684E-03	3.872E-03
2.50E 00---3.00 E 00	7.185E-05	1.063E-04	1.633E-04	2.596E-04	4.104E-04	6.226E-04	8.691E-04	1.071E-03	2.034E-03
2.00E 00---2.50 E 00	8.426E-05	1.252E-04	1.945E-04	3.065E-04	4.722E-04	6.891E-04	9.250E-04	1.108E-03	2.296E-03
1.66E 00---2.00 E 00	1.551E-04	2.412E-04	3.737E-04	5.557E-04	7.747E-04	9.961E-04	1.155E-03	2.665E-03	6.655E-03
1.33E 00---1.66 E 00	1.345E-04	2.024E-04	3.112E-04	4.673E-04	6.644E-04	8.906E-04	1.079E-03	1.213E-03	3.182E-03
1.00E 00---1.33 E 00	2.011E-04	3.003E-04	4.434E-04	6.271E-04	8.335E-04	1.034E-03	1.197E-03	1.297E-03	4.098E-03
8.00E-01---1.00 E 00	3.200E-04	4.609E-04	6.375E-04	8.353E-04	1.032E-03	1.203E-03	1.329E-03	1.401E-03	5.620E-03
6.00E-01---8.00 E 01	5.396E-04	7.223E-04	9.166E-04	1.103E-03	1.269E-03	1.404E-03	1.506E-03	1.567E-03	7.499E-03
4.00E-01---6.00 E 01	1.696E-03	1.945E-03	2.185E-03	2.412E-03	2.629E-03	2.835E-03	3.013E-03	3.132E-03	3.132E-03
3.00E-01---4.00 E 01	2.522E-03	2.408E-03	2.576E-03	2.762E-03	2.961E-03	3.149E-03	3.291E-03	3.389E-03	2.695E-02
2.00E-01---3.00 E 01	3.732E-03	3.807E-03	4.075E-03	4.283E-03	4.496E-03	4.696E-03	4.861E-03	4.963E-03	4.853E-03
1.00E-01---2.00 E 01	1.63E-02	1.220E-02	1.280E-02	1.341E-02	1.399E-02	1.451E-02	1.492E-02	1.516E-02	1.463E-01
5.00E-02---1.00 E 01	3.213E-02	3.451E-02	3.570E-02	3.682E-02	3.778E-02	3.894E-02	3.951E-02	3.951E-02	4.024E-01
2.00E-02---5.00 E 07	8.701E-03	8.965E-03	9.092E-03	9.205E-03	9.371E-03	9.301E-03	9.412E-03	1.089E-01	

4 PI R**2 FLUENCE AT 1200.0 METERS

1.108 TO 2.35 MEV NEUTRON SOURCE

(GAMMAS/MEV/STERADIANS/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
8.00E 0C---1.00E 01	1.856E-06	1.887E-06	2.030E-06	2.188E-06	2.395E-06	2.644E-06	2.957E-06	3.466E-06	MU=-0.4580 MU=-0.2116 MU=-0.0950
6.50E 00---8.00E 00	3.629E-06	3.725E-06	4.582E-06	4.582E-06	5.067E-06	5.544E-06	6.104E-06	7.089E-06	7.700E-06
5.00E 00---1.50E 00	4.331E-C5	4.413E-05	4.714E-05	5.172E-05	5.652E-05	6.144E-05	6.845E-05	7.943E-05	9.38E-05
4.00E 00---2.00E 00	5.887E-06	6.970E-06	1.045E-05	1.482E-05	1.765E-05	1.838E-05	1.848E-05	2.094E-05	2.711E-05
3.00E 00---4.00E 00	5.000E-00	5.887E-06	1.045E-05	1.482E-05	1.765E-05	1.838E-05	1.848E-05	2.094E-05	4.99E-05
2.50E 00---3.00E 00	2.507E-06	2.578E-06	4.235E-06	6.251E-06	7.572E-06	8.190E-06	9.184E-06	1.218E-05	1.626E-05
2.00E 00---2.50E 00	7.592E-06	7.395E-06	6.751E-06	6.144E-06	6.446E-06	8.191E-06	1.150E-05	1.620E-05	2.259E-05
1.66E 00---2.00E 00	1.354E-05	1.261E-05	9.467E-06	6.130E-06	5.801E-06	9.166E-06	1.498E-05	2.146E-05	2.882E-05
1.33E 00---1.66E 00	1.775E-05	1.638E-05	1.176E-05	7.077E-06	6.967E-06	1.188E-05	1.970E-05	2.794E-05	3.733E-05
1.00E 00---1.33E 00	1.676E-05	1.593E-05	1.339E-05	1.150E-05	1.333E-05	1.999E-05	2.784E-05	3.916E-05	5.797E-05
8.00E -01---1.00E 00	9.860E-06	1.057E-05	1.504E-05	2.099E-05	2.680E-05	3.269E-05	4.182E-05	6.182E-05	1.02E-04
6.00E -01---6.00E-01	1.541E-05	2.510E-05	3.772E-05	4.827E-05	5.955E-05	8.187E-05	1.299E-04	2.168E-04	
4.00E -01---6.00E-01	2.898E-04	2.985E-04	3.202E-04	3.637E-04	4.300E-04	5.487E-04	6.946E-04	8.666E-04	
3.00E -01---4.00E-01	4.300E-04	4.429E-04	4.952E-04	5.928E-04	7.282E-04	8.904E-04	1.156E-03	1.203E-03	1.320E-03
2.00E -01---3.00E-01	2.231E-03	2.228E-03	2.221E-03	2.221E-03	2.205E-03	2.184E-03	2.167E-03	2.168E-03	2.198E-03
1.00E -01---2.00E-01	5.728E-03	5.740E-03	5.740E-03	5.884E-03	6.017E-03	6.193E-03	6.411E-03	6.675E-03	6.933E-03
5.00E -02---1.00E-01	1.726E-02	1.738E-02	1.760E-02	1.791E-02	1.822E-02	1.883E-02	1.944E-02	2.014E-02	
2.00E -02---5.00E-02	5.231E-03	5.235E-03	5.251E-03	5.279E-03	5.320E-03	5.333E-03	5.437E-03	5.512E-03	5.536E-03
ENERGY GROUP (MEV)	ANGLE 10	ANGLE 11	ANGLE 12	ANGLE 13	ANGLE 14	ANGLE 15	ANGLE 16	ANGLE 17	SCALAR FLUX
8.00E 00---1.00E 01	0.095U	0.2816	0.4580	0.6179	0.7550	0.8656	0.9446	0.994	MU= 0.994 MU= 0.413E-04 MU= 1.807E-04
6.50E 00---8.00E 00	5.599E-06	7.704E-06	1.129E-05	2.178E-05	3.056E-05	5.445E-05	9.411E-05	2.711E-04	3.522E-04
5.00E 00---6.50E 00	1.152E-05	1.578E-05	2.286E-05	3.576E-05	6.060E-05	1.00E-04	1.828E-04		
4.00E 00---5.00E 00	1.256E-04	1.688E-04	2.395E-04	3.650E-04	5.983E-04	1.021E-03	1.695E-03	2.464E-03	3.522E-03
3.00E 00---4.00E 00	5.625E-05	5.683E-C5	8.362E-05	1.532E-04	2.422E-04	4.441E-04	7.563E-04	1.089E-03	1.388E-03
2.50E 00---3.00E 00	4.533E-05	4.533E-05	4.833E-05	2.137E-04	3.639E-04	6.239E-04	1.015E-03	1.408E-03	2.011E-03
2.00E 00---2.50E 00	3.304E-05	3.304E-05	5.407E-05	7.804E-05	1.445E-04	2.707E-04	4.700E-04	7.569E-04	1.337E-03
1.66E 00---2.00E 00	4.116E-05	4.116E-05	6.980E-05	9.778E-05	1.819E-04	3.254E-04	5.372E-04	7.936E-04	1.014E-03
1.32E 00---1.66E 00	5.623E-05	5.623E-05	9.868E-05	1.808E-04	2.361E-04	3.975E-04	6.375E-04	1.013E-03	1.544E-03
1.00E 00---1.33E 00	9.580E-05	1.669E-04	2.877E-04	3.122E-04	4.401E-04	6.206E-04	7.935E-04	1.004E-03	2.700E-03
8.00E 00---1.00E 00	1.763E-04	2.877E-04	4.322E-04	5.980E-04	8.865E-04	9.581E-04	9.770E-04	1.020E-03	3.555E-03
6.00E 00---1.00E 01	3.375E-04	4.860E-04	6.402E-04	7.809E-04	9.968E-04	9.890E-04	1.054E-03	1.095E-03	4.886E-03
4.00E 00---6.00E 01	1.045E-03	1.216E-03	1.368E-03	1.504E-03	1.632E-03	1.733E-03	1.733E-03	1.979E-03	1.733E-03
3.00E 00---4.00E 01	1.409E-03	1.490E-03	1.585E-03	1.705E-03	1.841E-03	1.942E-03	2.072E-03	2.128E-03	1.657E-02
2.00E 00---3.00E 01	2.264E-03	2.362E-03	2.485E-03	2.622E-03	2.764E-03	2.900E-03	3.014E-03	3.088E-03	2.938E-02
1.00E 00---2.00E 01	7.334E-03	7.724E-03	8.141E-03	8.570E-03	8.985E-03	9.351E-03	9.648E-03	9.824E-03	9.246E-02
5.00E 00---2.00E 01	2.092E-02	2.176E-02	2.264E-02	2.352E-02	2.434E-02	2.505E-02	2.592E-02	2.633E-02	2.633E-01
2.00E 00---5.00E 02	5.687E-02	5.782E-03	5.878E-03	5.969E-03	6.052E-03	6.122E-03	6.173E-03	6.203E-03	7.122E-02

4 PI R**2 FLUENCE AT 1500.0 METERS

1.108 TO 2.35 MEV NEUTRON SOURCE

(GAMMAS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 $\mu = -1.0000$	ANGLE 2 $\mu = -0.9994$	ANGLE 3 $\mu = -0.9446$	ANGLE 4 $\mu = -0.8656$	ANGLE 5 $\mu = -0.7550$	ANGLE 6 $\mu = -0.6179$	ANGLE 7 $\mu = -0.4580$	ANGLE 8 $\mu = -0.2816$	ANGLE 9 $\mu = -0.0950$
8.00E 00----1.00E 01	3.922E-07	4.170E-07	4.893E-07	5.866E-07	6.629E-07	7.132E-07	7.691E-07	8.290E-07	1.148E-06
6.50E 00----8.00E 00	6.237E-07	6.982E-07	9.456E-07	1.259E-06	1.466E-06	1.531E-06	1.575E-06	1.761E-06	2.319E-06
5.00E 00----6.50E 00	9.102E-06	9.641E-05	1.151E-05	1.396E-05	1.572E-05	1.668E-05	1.767E-05	2.030E-05	2.599E-05
4.00E 00----5.00E 00	-2.236E-06	-1.237E-06	1.351E-06	4.959E-06	6.138E-06	5.500E-06	4.032E-06	3.866E-06	6.843E-06
3.00E 00----4.00E 00	9.855E-07	1.859E-06	4.459E-06	7.589E-06	9.166E-06	8.566E-06	8.566E-06	1.309E-05	1.309E-05
2.50E 00----3.00E 00	-1.094E-06	-6.242E-07	5.833E-07	2.197E-07	2.600E-06	2.238E-06	1.914E-06	2.778E-06	5.325E-06
2.00E 00----2.50E 00	3.158E-06	2.948E-06	2.228E-06	1.326E-06	1.045E-06	1.744E-06	3.260E-06	5.172E-06	7.120E-06
1.66E 00----2.00E 00	7.676E-06	6.797E-06	3.284E-06	4.981E-07	-1.849E-07	1.566E-06	5.107E-06	7.987E-06	9.209E-06
1.23E 00----1.66E 00	1.047E-05	9.163E-06	4.371E-06	6.901E-08	-3.848E-07	2.251E-06	7.204E-06	1.032E-05	1.191E-05
1.00E 00----1.33E 00	7.848E-06	6.986E-06	3.881E-06	1.643E-06	2.399E-06	5.215E-06	9.364E-06	1.302E-05	1.913E-05
8.00E-01----1.00E 00	-1.329E-06	-6.213E-07	2.402E-06	6.543E-06	9.125E-06	1.045E-05	1.201E-05	4.048E-05	1.933E-05
6.00E-01----8.00E-01	2.673E-06	4.314E-06	1.350E-05	1.742E-05	1.969E-05	2.706E-05	5.215E-05	1.060E-05	1.060E-05
4.00E-01----6.00E-01	1.252E-04	1.252E-04	1.277E-04	1.351E-04	1.559E-04	1.965E-04	2.613E-04	3.494E-04	4.526E-04
3.00E-01----4.00E-01	1.793E-04	1.866E-06	2.182E-06	2.785F-06	3.641E-04	4.672E-04	5.696E-04	6.566E-04	7.143E-04
2.00E-01----3.00E-01	2.020E-03	1.219E-03	1.217E-03	1.219E-03	1.193E-03	1.171E-03	1.149F-03	1.137E-03	1.144E-03
1.00E-01----2.00E-01	3.024E-03	3.031E-03	3.059E-03	3.111E-03	3.184E-03	3.280E-03	3.398E-03	3.544E-03	3.709E-03
5.00E-02----1.00E-01	9.272E-03	9.288E-03	9.355E-03	9.473E-03	9.647E-03	9.876E-03	1.016E-02	1.089E-02	1.050E-02
2.00E-02----5.00E-02	2.831E-03	2.833E-03	2.841E-03	2.857E-03	2.880E-03	2.909E-03	2.945E-03	2.987E-03	3.034E-03
ENERGY GROUP (MEV)	ANGLE 10 $\mu = 0.0950$	ANGLE 11 $\mu = 0.2816$	ANGLE 12 $\mu = 0.6179$	ANGLE 13 $\mu = 0.6179$	ANGLE 14 $\mu = 0.7550$	ANGLE 15 $\mu = 0.8656$	ANGLE 16 $\mu = 0.9446$	ANGLE 17 $\mu = 0.9894$	SCALAR FLUX
8.00E 00----1.00E 01	1.587E-06	3.556E-06	6.210E-06	1.246E-05	2.726E-05	5.838E-05	1.049E-04	1.049E-04	8.594E-05
6.50E 00----8.00E 00	3.297E-06	4.760E-06	7.171E-06	1.222E-05	2.434E-05	5.288E-05	1.112E-04	1.955E-04	1.663E-04
5.00E 00----6.50E 00	3.553E-05	4.594E-05	7.380E-05	1.219E-04	2.339E-04	4.750E-04	9.607E-04	1.644E-03	1.530E-03
4.00E 00----5.00E 00	1.244E-05	1.881E-05	2.706E-05	4.696E-05	1.033E-04	2.373E-04	4.853E-04	7.947E-04	6.876E-04
3.00E 00----4.00E 00	1.990E-05	2.865E-05	4.696E-05	7.554E-05	1.563E-04	3.273E-04	6.172E-04	9.555E-04	9.515E-04
2.50E 00----3.00E 00	9.249E-06	1.521E-05	2.345E-05	6.277E-05	1.414E-04	2.905E-04	5.131E-04	7.463E-04	7.463E-04
2.00E 00----2.50E 00	9.922E-06	1.750E-05	3.854E-05	8.716E-05	1.807E-04	3.322E-04	5.314E-04	7.155E-04	8.473E-04
1.66E 00----2.00E 00	1.173E-05	2.354E-05	5.651E-05	1.231E-04	2.315E-04	3.796E-04	5.469E-04	6.835E-04	9.851E-04
1.32F 00----1.66E 00	1.71E-05	3.791E-05	8.752E-05	1.739E-04	2.935E-04	4.306E-04	5.587E-04	6.476E-04	1.175E-03
1.00E 00----1.33E 00	3.669E-05	7.793E-05	1.521E-04	2.573E-04	3.776E-04	4.878E-04	5.659E-04	6.049E-04	1.507E-03
9.00E-01----1.00E 00	8.380E-05	1.540E-04	2.482E-04	3.545E-04	4.541E-04	5.288E-04	5.702E-04	5.845E-04	9.973E-03
6.00E-01----8.00E-01	1.828E-04	2.783E-04	3.741E-04	4.554E-04	5.165E-04	5.605E-04	5.931E-04	6.145E-04	2.693E-03
4.00E-01----6.00E-01	5.579E-04	6.521E-04	7.280E-04	7.891E-04	8.465E-04	9.111E-04	9.805E-04	1.055E-03	6.371E-03
3.00E-01----4.00E-01	7.50E-04	7.802E-04	8.222E-04	8.869E-04	9.605E-04	1.031E-03	1.080E-03	1.103E-03	8.689E-03
2.00E-01----3.00E-01	1.17E-03	1.224E-03	1.288E-03	1.358E-03	1.431E-03	1.502E-03	1.563E-03	1.606E-03	1.568E-02
1.00E-01----2.00E-01	3.900E-03	4.112E-03	4.340E-03	4.574E-03	4.802E-03	5.006E-03	5.166E-03	5.233E-03	4.918E-02
5.00E-02----1.00E-01	1.132E-02	1.180E-02	1.229E-02	1.278E-02	1.325E-02	1.365E-02	1.396E-02	1.414E-02	1.420E-01
2.00E-02----5.00E-02	3.084E-03	3.137E-03	3.191E-03	3.242E-03	3.328E-03	3.357E-03	3.374E-03	3.394E-03	3.862E-02

4 PI R**2 FLUENCE AT 1800.0 METERS

1.10E TO 2.35 MEV NEUTRON SOURCE

{ GAMMAS/MEV/STERADIANS/SOURCE NEUTRON }

ENERGY GROUP (MEV)	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
8.00E 00---1.00E 01	MU= 1.00000	MU=-0.9894	MU=-0.9446	MU=-0.8656	MU=-0.7550	MU=-0.6179	MU=-0.4580	MU= 0.2816	MU=-0.0950
6.50E 00---8.00E 00	-7.757E-08	4.481E-08	9.003E-08	1.808E-07	1.644E-07	1.821E-07	2.581E-07	2.929E-07	4.929E-07
5.00E 00---6.50E 00	6.133E-07	1.051E-06	1.353E-07	3.514E-07	4.307E-07	3.963E-07	3.036E-07	3.099E-07	5.873E-06
4.00E 00---5.00E 00	-2.924E-06	-2.261E-06	2.173E-06	3.545E-06	4.272E-06	4.106E-06	3.721E-06	4.099E-06	5.466E-06
3.00E 00---4.00E 00	-1.938E-06	-1.320E-06	3.524E-07	1.390E-06	2.725E-06	1.391E-06	1.130E-06	8.645E-08	1.346E-06
2.50E 00---3.00E 00	-1.288E-06	-9.736E-07	-6.442E-05	6.775E-07	1.122E-06	4.007E-07	3.551E-08	3.848E-07	3.499E-06
2.00E 00---2.50E 00	1.514E-06	1.363E-06	7.522E-07	1.083E-07	-1.407E-07	1.345E-07	8.903E-07	1.758E-06	2.197E-06
1.66E 00---2.00E 00	4.528E-06	3.896E-06	1.443E-06	-6.749E-07	-4.205E-06	5.654E-08	1.869E-06	3.164E-06	2.973E-06
1.33E 00---1.66E 00	6.304E-06	5.360E-06	1.784E-06	-1.166E-06	-1.648E-06	6.067E-08	3.119E-06	4.309E-06	3.181E-06
1.00E 00---1.33E 00	4.123E-06	3.486E-06	1.176E-06	-4.584E-07	-2.255E-07	1.257E-06	3.399E-06	4.102E-06	5.202E-06
8.00E-01---1.00E 00	-2.828E-06	-2.234E-06	-5.037E-06	2.336E-07	3.702E-06	2.643E-06	4.643E-06	1.460E-05	1.460E-05
6.00E-01---8.00E-01	-6.639E-06	-9.065E-06	4.525E-06	7.298E-06	5.752E-06	7.593E-06	1.940E-05	4.803E-05	4.803E-05
4.00E-01---6.00E-01	5.426E-05	5.400E-05	5.266E-05	5.585E-05	6.495E-05	8.526E-05	1.197E-04	1.674E-04	2.322E-04
3.00E-01---4.00E-01	7.236E-05	7.618E-05	9.304E-05	1.259E-04	1.730E-04	2.311E-04	2.874E-04	3.319E-04	3.582E-04
2.00E-01---3.00E-01	6.175E-04	6.175E-04	6.104E-04	5.992E-04	5.931E-04	5.661E-04	5.544E-04	5.544E-04	5.544E-04
1.00E-01---2.00E-01	1.481E-03	1.485E-03	1.492E-03	1.525E-03	1.566E-03	1.608E-03	1.667E-03	1.737E-03	1.818E-03
5.00E-02---1.00E-01	4.578E-03	4.585E-03	4.618E-03	4.677E-03	4.763E-03	4.876E-03	5.016E-03	5.194E-03	5.376E-03
2.00E-02---5.00E-02	1.399E-03	1.400E-03	1.412E-03	1.423E-03	1.438E-03	1.455E-03	1.476E-03	1.499E-03	1.499E-03
ENERGY GROUP (MEV)	ANGLE 10	ANGLE 11	ANGLE 12	ANGLE 13	ANGLE 14	ANGLE 15	ANGLE 16	ANGLE 17	SCALAR FLUX
8.00E 00---1.00E 01	MU= 0.0950	MU= 0.2816	MU= 0.4580	MU= 0.6179	MU= 0.7550	MU= 0.8656	MU= 0.9446	MU= 0.9894	MU= 0.997E-05
6.50E 00---8.00E 00	4.025E-07	6.140E-07	1.328E-07	9.330E-07	4.331E-06	1.192E-05	3.205E-05	6.961E-05	7.516E-05
5.00E 00---6.50E 00	9.080E-06	1.331E-05	1.950E-05	3.381E-05	7.556E-05	1.934E-04	4.803E-04	9.742E-04	6.334E-04
4.00E 00---5.00E 00	4.006E-06	6.293E-06	7.429E-06	1.249E-05	1.274E-05	1.20E-04	2.739E-04	5.062E-04	5.270E-04
3.00E 00---4.00E 00	5.938E-06	8.432E-06	1.139E-06	2.224E-05	5.936E-05	1.534E-04	3.340E-04	5.704E-04	4.278E-04
2.50E 00---3.00E 00	2.988E-06	4.473E-06	6.521E-06	2.357E-05	6.553E-05	1.547E-04	0.001E-04	4.611E-04	3.835E-04
2.00E 00---2.50E 00	2.374E-06	4.293E-06	1.310E-05	3.776E-05	9.015E-05	1.810E-04	3.076E-04	4.317E-04	4.361E-04
1.66E 00---2.00E 00	2.199E-06	5.886E-06	2.234E-05	5.901E-05	2.021E-04	2.092E-04	3.108E-04	3.966E-04	5.071E-04
1.33E 00---1.66E 00	3.324E-06	1.243E-05	3.333E-05	8.901E-05	1.586E-04	2.374E-04	3.095E-04	3.584E-04	6.038E-04
1.00E 00---1.33E 00	1.239E-05	7.600E-05	7.356E-05	1.371E-04	2.058E-04	2.651E-04	3.017E-04	3.154E-04	7.710E-04
8.00E-01---1.00E 00	3.776E-05	7.704E-05	1.204E-04	1.899E-04	2.431E-04	2.788E-04	2.932E-04	3.033E-04	1.004E-03
6.00E-01---8.00E-01	9.278E-05	1.466E-04	1.984E-04	2.392E-04	2.664E-04	2.841E-04	2.976E-04	3.076E-04	1.362E-03
4.00E-01---6.00E-01	2.786E-04	3.250E-04	3.584E-04	3.817E-04	4.035E-04	4.320E-04	4.667E-04	4.955E-04	3.065E-03
3.00E-01---4.00E-01	3.698E-04	3.778E-04	3.944E-04	4.245E-04	4.622E-04	4.955E-04	5.151E-04	5.218E-04	6.038E-04
2.00E-01---3.00E-01	5.669E-04	5.902E-04	6.198E-04	6.519E-04	6.866E-04	7.169E-04	7.459E-04	7.657E-04	7.637E-03
1.00E-01---2.00E-01	1.911E-03	2.014E-03	2.125E-03	2.238E-03	2.446E-03	2.446E-03	2.523E-03	2.570E-03	2.409E-03
5.00E-02---1.00E-01	5.591E-03	5.824E-03	6.067E-03	6.310E-03	6.538E-03	6.737E-03	6.889E-03	6.979E-03	7.013E-02
2.00E-02---5.00E-02	1.524E-03	1.550E-03	1.576E-03	1.602E-03	1.644E-03	1.664E-03	1.688E-03	1.666E-03	1.908E-02

6 PI R**2 HENDERSON JOSE (NEUTRONS)
(CH**2 RAD/STERADIAN/SOURCE NEUTRON)

1.108 TO 2.35C MEV NEUTRON SOURCE

COSINE	75.0	100.0	150.0	RANGE (METERS)	200.0	250.0	300.0	400.0
-1.00000E 00	1.C647E-10	1.299E-10	1.635E-10	1.812E-10	1.859E-10	1.811E-10	1.557E-10	
-9.89401E-01	1.C67E-10	1.302E-10	1.639E-10	1.817E-10	1.864E-10	1.816E-10	1.561E-10	
-9.44575E-01	1.07E-10	1.314E-10	1.656E-10	1.831E-10	1.886E-10	1.841E-10	1.581E-10	
-8.65631E-01	1.096E-10	1.340E-10	1.690E-10	1.877E-10	1.929E-10	1.881E-10	1.622E-10	
-7.55444E-01	1.129E-10	1.381E-10	1.745E-10	1.943E-10	2.032E-10	2.091E-10	2.044E-10	1.678E-10
-6.17876E-01	1.178E-10	1.443E-10	1.825E-10	1.937E-10	2.157E-10	2.221E-10	2.175E-10	1.760E-10
-4.58017E-01	1.249E-10	1.533E-10	1.937E-10	2.157E-10	2.396E-10	2.396E-10	2.342E-10	1.87CE-10
-2.81605E-01	1.348E-10	1.621E-10	2.C90E-10	2.295E-10	2.553E-10	2.626E-10	2.567E-10	2.016E-10
-9.50125E-02	1.483E-10	1.817E-10	2.291E-10	2.553E-10	2.826E-10	2.885E-10	2.872E-10	2.406E-10
9.50125E-02	1.953E-10	2.291E-10	2.649E-10	2.812E-10	2.885E-10	2.872E-10	2.451E-10	
2.81605E-01	1.880E-10	2.410E-10	2.960E-10	2.999E-10	3.379E-10	3.248E-10	2.776E-10	
4.58017E-01	2.225E-10	2.848E-10	3.449E-10	3.799E-10	3.866E-10	3.785E-10	3.199E-10	
6.17876E-01	3.052E-10	3.518E-10	4.274E-10	4.658E-10	4.722E-10	4.722E-10	4.494E-10	3.774E-10
7.55044E-01	4.467E-10	4.758E-10	5.528E-10	5.830E-10	5.799E-10	5.545E-10	4.567E-10	
8.65631E-01	8.216E-09	6.971E-10	7.620E-10	7.858E-10	7.652E-10	7.137E-10	5.736E-10	
9.44575E-01	9.44575E-01	1.726E-09	1.391E-09	1.264E-09	1.145E-09	1.022E-09	7.754E-10	
9.89401E-01	7.792E-C9	7.662E-C9	6.359E-09	4.999E-09	3.854E-09	2.976E-C9	1.777E-09	
TOTAL	4.734E-09	4.92CE-C9	5.161E-09	5.184E-09	4.998E-09	4.673E-C9	3.787E-09	
COSINE	500.0	600.0	900.0	RANGE (METERS)	1200.0	1500.0	1800.0	
-1.00000E 00	1.219E-10	8.976E-11	2.833E-11	7.227E-12	1.626E-12	1.621E-12	3.367E-13	
-9.89401E-01	1.223E-10	9.C04E-11	2.842E-11	7.250E-12	1.631E-12	1.631E-12	3.377E-13	
-9.44575E-01	1.239E-10	9.122E-11	2.880E-11	7.349E-12	1.654E-12	1.654E-12	3.426E-13	
-8.65631E-01	1.27CE-10	2.953E-11	2.953E-11	7.349E-12	1.695E-12	1.695E-12	3.511E-13	
-7.55044E-01	1.316E-10	S.692E-11	3.C61E-11	7.812E-12	1.758E-12	1.758E-12	3.640E-13	
-6.17876E-01	1.380E-10	1.C17E-10	3.212E-11	8.195E-12	1.843E-12	1.843E-12	3.817E-13	
-4.58017E-01	1.467E-10	1.C81E-10	3.411E-11	8.697E-12	1.956E-12	1.956E-12	4.044E-13	
-2.81605E-01	1.581E-10	1.164E-10	3.668E-11	9.344E-12	2.099E-12	2.099E-12	4.344E-13	
-9.50125E-02	1.727E-10	1.270E-10	3.995E-11	1.016E-11	2.28CE-12	2.28CE-12	4.711E-13	
9.50125E-02	1.917E-10	1.407E-10	4.408E-11	1.118E-11	2.504E-12	2.504E-12	5.169E-13	
2.81605E-01	2.161E-10	1.582E-10	4.927E-11	1.245E-11	2.781E-12	2.781E-12	5.736E-13	
4.58017E-01	2.479E-10	1.807E-10	5.573E-11	1.402E-11	3.121E-12	3.121E-12	6.412E-13	
6.17876E-01	2.899E-10	2.10CE-10	6.399E-11	1.596E-11	3.533E-12	3.533E-12	7.232E-13	
7.55044E-01	3.467E-10	2.487E-10	7.433E-11	1.832E-11	4.027E-12	4.027E-12	8.209E-13	
8.65631E-01	4.268E-10	3.C16E-10	8.751E-11	2.120E-11	4.609E-12	4.609E-12	9.317E-13	
9.44575E-01	5.551E-10	3.813E-10	1.049E-10	2.711E-11	5.28CE-12	5.28CE-12	1.054E-12	
9.89401E-01	1.C69E-C9	6.467E-10	1.429E-10	3.046E-11	6.181E-12	6.181E-12	1.199E-12	
TOTAL	2.859E-09	2.051E-C9	6.182E-10	1.539E-10	3.409E-11	3.409E-11	6.985E-12	

4 PI R**2 SNYDER-NEUFELD DOSE (NEUTRONS)
(CM**2 RAD/STERADIAN/SOURCE NEUTRON)

1.108 TO 2.350 MEV NEUTRON SOURCE

COSINE	75.0	100.0	150.0	RANGE (METERS)	250.0	300.0	400.0
				2CC.C			
-1. CCC00E 0C	1.791E-10	2.237E-10	2.944E-10	3.405E-10	3.637E-10	3.685E-10	3.391E-10
-9.89401E-01	1.794E-10	2.242E-10	2.951E-10	3.412E-10	3.644E-10	3.694E-10	3.399E-10
-9.44575E-01	1.009E-10	2.261E-10	2.979E-10	3.446E-10	3.662E-10	3.732E-10	3.435E-10
-8.65631E-01	1.841E-10	2.302E-10	3.035E-10	3.513E-10	3.756E-10	3.807E-10	3.504E-10
-7.55044E-01	1.692E-10	2.367E-10	3.123E-10	3.617E-10	3.867E-10	3.920E-10	3.608E-10
-6.17876E-01	1.768E-10	2.464E-10	3.251E-10	3.766E-10	4.026E-10	4.080E-10	3.752E-10
-4.58017E-01	2.077E-10	2.600E-10	3.429E-10	3.969E-10	4.241E-10	4.295E-10	3.945E-10
-2.81605E-01	2.229E-10	2.788E-10	3.670E-10	4.242E-10	4.527E-10	4.579E-10	4.196E-10
-9.50125E-02	2.437E-10	3.044E-10	3.995E-10	4.603E-10	4.901E-10	4.948E-10	4.518E-10
9.50125E-02	3.188E-10	3.752E-10	4.513E-10	5.034E-10	5.34CE-10	5.441E-10	4.930E-10
3.052E-10	3.968E-10	5.05E-10	5.765E-10	6.086E-10	6.06E-10	6.086E-10	5.465E-10
4.58017E-01	3.581E-10	4.607E-10	5.763E-10	6.575E-10	6.888E-10	6.90E-10	6.156E-10
6.17876E-01	4.779E-10	5.656E-10	7.078E-10	7.876E-10	8.165E-10	8.025E-10	7.076E-10
7.55044E-01	6.849E-10	7.482E-10	8.938E-10	9.679E-10	9.882E-10	9.653E-10	8.327E-10
8.65631E-01	1.233E-09	1.075E-09	1.212E-09	1.276E-09	1.269E-09	1.014E-09	1.014E-09
9.44575E-01	3.039E-09	2.578E-09	2.133E-09	1.987E-09	1.839E-09	1.676E-09	1.320E-09
9.89401E-01	1.127E-08	1.113E-08	9.292E-09	7.352E-09	5.742E-09	4.491E-09	2.768E-09
TOTAL	7.256E-09	7.698E-09	8.398E-09	8.750E-09	8.731E-09	8.429E-09	7.256E-09

COSINE	500.0	600.0	RANGE (METERS)	900.0	1000.0	1200.0	1500.0	1800.0
				CC.C				
-1.00000E 00	2.191E-10	7.608E-11	2.164E-11	5.156E-12	1.114E-12	1.114E-12	1.114E-12	1.114E-12
-9.89401E-01	2.196E-10	7.827E-11	2.169E-11	5.171E-12	1.116E-12	1.116E-12	1.116E-12	1.116E-12
-9.44575E-01	2.215E-10	7.988E-11	2.191E-11	5.223E-12	1.128E-12	1.128E-12	1.128E-12	1.128E-12
-8.65631E-01	2.062E-10	2.329E-10	8.287E-11	2.294E-11	5.465E-12	1.119E-12	1.119E-12	1.119E-12
-7.55044E-01	3.002E-10	2.419E-10	8.596E-11	2.377E-11	5.666E-12	1.121E-12	1.121E-12	1.121E-12
-6.17876E-01	3.120E-10	2.537E-10	8.996E-11	2.484E-11	5.099E-12	1.124E-12	1.124E-12	1.124E-12
-4.58017E-01	2.507E-10	2.689E-10	9.503E-11	2.619E-11	6.222E-12	1.340E-12	1.340E-12	1.340E-12
-2.81605E-01	3.478E-10	2.881E-10	1.013E-10	2.785E-11	6.6C3E-12	1.40E-12	1.40E-12	1.40E-12
-9.50125E-02	3.735E-10	3.122E-10	1.091E-10	2.986E-11	7.063E-12	1.517E-12	1.517E-12	1.517E-12
9.50125E-02	4.060E-10	3.425E-10	1.166E-10	3.29E-11	7.612E-12	1.631E-12	1.631E-12	1.631E-12
2.81605E-01	4.474E-10	5.022E-10	1.302E-10	3.521E-11	6.262E-12	1.765E-12	1.765E-12	1.765E-12
4.58017E-01	5.081E-10	6.687E-10	1.444E-10	3.869E-11	9.025E-12	1.92CE-12	1.92CE-12	1.92CE-12
6.17876E-01	6.17876E-01	4.291E-10	1.619E-10	4.28CE-11	9.906E-12	2.06E-12	2.06E-12	2.06E-12
7.55044E-01	6.594E-10	4.919E-10	1.618E-10	4.765E-11	1.091E-11	2.222E-12	2.222E-12	2.222E-12
8.65631E-01	7.852E-10	5.758E-10	1.834E-10	5.332E-11	1.221E-11	2.499E-12	2.499E-12	2.499E-12
9.44575E-01	9.615E-10	6.987E-10	2.100E-10	6.195E-11	1.339E-11	2.724E-12	2.724E-12	2.724E-12
9.89401E-01	1.726E-09	1.084E-09	2.669E-10	6.195E-11	1.339E-11	2.724E-12	2.724E-12	2.724E-12
TOTAL	5.782E-09	4.351E-09	1.468E-09	3.954E-10	9.265E-11	1.978E-11		

4 PI R**2 TISSUE KERMA (NEUTRONS)
 (CM**2 ERG/GRAM/SERADIEN/SOURCE NEUTRONS)

1.108 : 0 2.350 MEV NEUTRON SOURCE

COSINE	75.0	100.0	150.0	RANGE (METERS)	200.0	250.0	300.0	400.0
-1.0CC00E 00	1.123E-08	1.385E-C8	1.775E-C8	1.997E-08	2.077E-08	2.051E-C8	1.797E-08	
-9.894C1E-01	1.125E-C8	1.779E-08	2.003E-C8	2.056E-C8	2.083E-08	2.056E-C8	1.802E-08	
-9.4475E-01	1.135E-C8	1.400E-C8	1.797E-08	2.024E-08	2.067E-08	2.106E-08	1.824E-08	
-8.6531E-01	1.155E-C8	1.427E-C8	1.833E-C8	2.067E-08	2.133E-08	2.172E-C8	1.866E-08	
-7.5544E-01	1.189E-C8	1.471E-C8	1.891E-08	2.134E-08	2.224E-08	2.198E-C8	1.929E-08	
-6.17876E-01	1.240E-C8	1.533E-C8	1.974E-08	2.231E-08	2.299E-08	2.321E-08	2.019E-08	
-4.58017E-01	1.312E-C8	1.623E-C8	2.090E-08	2.361E-08	2.463E-08	2.436E-C8	2.138E-C8	
-2.81605E-01	1.412E-C8	1.747E-C8	2.248E-08	2.538E-08	2.666E-08	2.616E-C8	2.295E-08	
-9.50125E-02	1.550E-C8	1.916E-C8	2.459E-08	2.773E-08	2.988E-08	2.853E-C8	2.498E-08	
9.50125E-02	2.C32E-C8	2.389E-C8	2.815E-C8	3.047E-08	3.164E-08	3.173E-C8	2.760E-08	
2.816C5E-01	1.954E-C8	2.521E-C8	3.147E-C8	3.54CE-C8	3.660E-08	3.561E-C8	3.102E-C8	
4.58017E-01	2.958E-C8	3.635E-C8	4.C61E-C8	4.929E-08	5.028E-08	4.854E-08	4.144E-08	
6.17876E-01	3.126E-C8	3.643E-08	4.484E-C8	5.740E-C8	6.127E-C8	6.153E-08	5.928E-C8	4.963E-08
7.55044E-01	4.540E-C8	4.884E-08	7.C96E-08	7.856E-08	8.172E-C8	8.026E-08	7.550E-C8	6.158E-08
8.5631E-01	8.279E-C8	7.096E-08	7.056E-08	8.172E-C8	8.026E-08	7.550E-C8	6.158E-08	
9.44575E-01	1.754E-C7	1.755E-C7	1.413E-C7	1.047E-07	1.068E-C7	1.068E-C7	8.200E-08	
9.894C1E-01	7.746E-C7	7.626E-07	6.347E-07	4.997E-07	3.878E-07	3.009E-07	1.816E-07	
TOTAL	4.808E-07	5.041E-C7	5.375E-C7	5.478E-07	5.349E-07	5.058E-07	4.181E-07	
COSINE	500.0	600.0	900.0	RANGE (METERS)	1200.0	1500.0	1800.0	
-1.0CC00E 00	1.431E-C8	1.666E-C8	3.479E-09	9.060E-10	2.068E-10	4.327E-11		
-9.89401E-01	1.435E-C8	1.727E-C8	3.489E-C9	9.087E-10	2.074E-10	4.340E-11		
-9.44575E-01	1.453E-C8	1.856E-C8	3.533E-C9	9.203E-10	2.101E-10	4.396E-11		
-8.65631E-01	1.487E-08	1.111E-08	3.618E-C9	9.422E-10	2.15CE-10	4.499E-11		
-7.55044E-01	1.538E-08	1.149E-08	3.742E-09	9.746E-10	2.224E-10	4.653E-11		
-6.17876E-01	1.610E-C8	1.202E-08	3.915E-09	1.019E-09	3.252E-10	4.864E-11		
-4.58017E-01	1.705E-08	1.273E-C8	4.141E-C9	1.077E-09	2.457E-10	5.137E-11		
-2.81605E-01	1.828E-C8	1.364E-C8	4.432E-09	1.152E-09	2.624E-10	5.484E-11		
-9.50125E-02	1.987E-C8	1.481E-08	4.798E-C9	1.245E-09	2.832E-10	5.913E-11		
9.50125E-02	2.191E-C8	1.63CE-C8	5.257E-C9	1.360E-09	3.C89E-10	6.441E-11		
2.81605E-01	2.452E-C8	1.818E-C8	5.828E-09	1.5CE-C9	3.4CE-10	7.081E-11		
4.58017E-01	2.659E-C8	2.059E-C8	6.538E-09	1.676E-09	3.782E-10	7.850E-11		
6.17876E-01	3.229E-C8	2.368E-C8	7.421E-09	1.887E-09	4.237E-10	8.762E-11		
7.55044E-01	3.819E-C8	2.772E-C8	8.520E-09	2.14E-09	4.774E-10	9.823E-11		
8.65631E-01	4.643E-C8	3.32CE-08	9.902E-09	2.447E-09	5.398E-10	1.103E-10		
9.44575E-01	5.947E-C8	4.133E-C8	1.170E-08	2.814E-09	6.13E-10	1.234E-10		
9.894C1E-C1	1.108E-C7	6.784E-C8	1.552E-08	3.596E-09	7.024E-10	1.382E-10		
TOTAL	3.210E-C7	2.335E-C7	7.264E-C8	1.846E-08	4.152E-09	8.599E-10		

6 PI R**2 MID-PHANTOM DOSE (NEUTRONS)
(CH**2 RAD/STERADIAN/SOURCE NEUTRON)

1.1E8 TO 2.35E MEV NEUTRON SOURCE

COSINE	75.C	100.C	15C.0	RANGE (METERS)	25C.C	300.0	400.C
2.00000E 00	2.075E-11	2.0625E-11	3.0551E-11	4.0220E-11	4.0627E-11	4.082E-11	4.0606E-11
-0.89401E-01	2.080E-11	2.0631E-11	3.0559E-11	4.0230E-11	4.0638E-11	4.0813E-11	4.0616E-11
-0.4575E-01	2.098E-11	2.0654E-11	3.0592E-11	4.0270E-11	4.0662E-11	4.0859E-11	4.0660E-11
-0.65631E-01	2.137E-11	2.0704E-11	3.0600E-11	4.0350E-11	4.0770E-11	4.0905E-11	4.0745E-11
-0.55044E-01	2.178E-11	2.0785E-11	3.0676E-11	4.0476E-11	4.0905E-11	4.0970E-11	4.0873E-11
-0.17876E-01	2.299E-11	2.0906E-11	3.0924E-11	4.0656E-11	4.0970E-11	5.0097E-11	5.051E-11
-0.58017E-01	2.439E-11	3.077E-11	4.143E-11	4.004E-11	5.0356E-11	5.5035E-11	5.287E-11
-0.81605E-01	2.635E-11	3.0316E-11	4.441E-11	5.038E-11	5.705E-11	5.593E-11	5.0593E-11
-0.50125E-02	2.966E-11	3.0644E-11	4.845E-11	5.681E-11	6.162E-11	6.330E-11	5.985E-11
0.50125E-02	3.729E-11	4.62CE-11	5.652E-11	6.028E-11	6.602E-11	6.96E-11	6.482E-11
2.81605E-01	3.672E-11	4.780E-11	6.075E-11	7.201E-11	7.70CE-11	7.657E-11	7.139E-11
4.58017E-01	5.792E-11	7.223E-11	8.092E-11	8.592E-11	8.7556E-11	8.755E-11	7.979E-11
6.17876E-01	6.340E-11	7.061F-11	8.688E-11	9.084E-11	1.003CE-11	1.014E-11	9.122E-11
7.55044E-01	9.657E-11	9.882E-11	1.144E-10	1.22CE-10	1.244E-10	1.2205E-10	1.070E-10
8.55631E-01	1.836E-10	1.484E-10	1.577E-10	1.65CE-10	1.63CE-10	1.65CE-10	1.307E-10
9.44575E-01	4.630E-10	3.874E-10	3.031E-10	2.77CE-10	2.454E-10	2.28E-10	1.734E-10
0.89401E-01	1.877E-09	1.831E-09	1.511E-09	1.181E-09	9.09CE-10	7.001E-10	4.191E-10
TOTAL	1.033E-09	1.062E-09	1.117E-09	1.144E-09	1.138E-09	1.102E-09	9.626E-10

COSINE	500.C	600.C	900.C	RANGE (METERS)	1200.C	1500.C	1800.C
-1.00000E 00	3.0965E-11	3.0163E-11	1.092E-11	3.017E-12	8.321E-13	1.0823E-13	1.0823E-13
-0.89401E-01	3.074E-11	3.017CE-11	1.095E-11	3.0424E-12	8.339E-13	1.0827E-13	1.0827E-13
-0.4575E-01	4.012E-11	3.0199E-11	1.206E-11	3.045E-12	8.415E-13	1.0834E-13	1.0834E-13
-0.65631E-01	4.084E-11	3.0256E-11	1.227E-11	3.053E-12	8.5544E-13	1.0874E-13	1.0874E-13
-0.55044E-01	4.190E-11	3.0359E-11	1.357E-11	3.0598E-12	8.758E-13	1.0918E-13	1.0918E-13
-0.17876E-01	4.338E-11	3.0454E-11	1.298E-11	3.0712E-12	9.0311E-13	1.0977E-13	1.0977E-13
-0.58017E-01	4.532E-11	3.063CE-11	1.350E-11	3.0857E-12	9.377E-13	2.0522E-13	2.0522E-13
-0.81605E-01	4.781E-11	3.093E-11	1.416E-11	4.03E-12	9.804E-13	2.144E-13	2.144E-13
-0.50125E-02	5.012E-11	4.03CE-11	1.497E-11	4.255E-12	1.032E-12	2.253E-13	2.253E-13
0.50125E-02	5.493E-11	4.327E-11	1.595E-11	4.516E-12	1.092E-12	2.383E-13	2.383E-13
2.81605E-01	5.995E-11	4.696E-11	1.713E-11	4.826E-12	1.164E-12	2.533E-13	2.533E-13
4.58017E-01	6.639E-11	5.16CE-11	1.856E-11	5.191E-12	1.246E-12	2.70CE-13	2.70CE-13
6.17876E-01	7.479E-11	5.533E-11	2.030E-11	5.62E-12	1.342E-12	2.902E-13	2.902E-13
7.55044E-01	8.612E-11	6.530E-11	2.244E-11	6.127E-12	1.451E-12	3.121E-13	3.121E-13
8.6631E-01	1.023E-10	7.599E-11	2.513E-11	6.728E-12	1.575E-12	3.364E-13	3.364E-13
9.44575E-01	1.292E-10	9.263E-11	2.877E-11	7.655E-12	1.717E-12	3.629E-13	3.629E-13
0.89401E-01	2.553E-10	1.575E-10	3.797E-11	8.838E-12	1.93CE-12	3.966E-13	3.966E-13
TOTAL	7.819E-10	5.958E-10	2.123E-09	5.91CE-11	1.417E-11	3.073E-12	3.073E-12

($\text{CH}_4^4 \text{PI R}^{**2}$ CONCRETE KERMA (NEUTRONS),
 (CH $_4^4$ *2 ERGS/GRAM/STERADIAN/SOURCE NEUTRON)

1.108 TO 2.350 MEV NEUTRON SOURCE

COSINE	75.0	1CC.C	15C.0	RANGE (METERS)	2CC.0	25C.0	300.0	400.C
-1.00000E 00	1.355E-C9	1.663E-C9	2.115E-C9	2.36CE-09	2.437E-09	2.390E-09	2.070E-09	2.070E-09
-9.89401E-01	1.58E-C9	1.19E-C9	2.46E-C9	2.46E-09	2.444E-09	2.471E-09	2.397E-09	2.076E-09
-9.44575E-01	1.369E-C9	1.682E-C9	2.14CE-C9	2.392E-09	2.471E-09	2.425E-C9	2.101E-09	2.101E-09
-8.65631E-01	1.394E-C9	1.714E-C9	2.184E-C9	2.443E-09	2.527E-09	2.48CE-C9	2.151E-09	2.151E-09
-7.55044E-01	1.765E-C9	2.23E-C9	2.535E-C9	2.639E-09	2.712E-09	2.612E-09	2.226E-09	2.226E-09
-6.17876E-01	1.495E-C9	1.842E-C9	2.353E-C9	2.639E-09	2.743E-09	2.688E-09	2.332E-09	2.332E-09
-4.58017E-01	1.382E-C9	1.950E-C9	2.493E-09	2.797E-09	2.898E-09	2.849E-C9	2.475E-09	2.475E-09
-2.81605E-01	1.702E-C9	2.099E-C9	2.682E-C9	3.010E-09	3.118E-09	3.065E-C9	2.662E-09	2.662E-09
-2.50125E-02	1.688E-C9	2.302E-09	2.937E-09	3.292E-09	3.409E-09	3.349E-09	2.905E-09	2.905E-09
9.50125E-02	2.666E-C9	2.862E-09	3.350E-09	3.631E-09	3.750E-09	3.733E-C9	3.218E-09	3.218E-09
2.81605E-01	2.358E-C9	3.037E-C9	3.777E-09	4.209E-09	4.338E-09	4.202E-C9	3.629E-09	3.629E-09
4.58017E-01	2.549E-09	3.433E-09	4.450E-09	4.969E-09	5.496E-09	4.874E-C9	4.164E-09	4.164E-09
6.17876E-01	3.147E-C9	4.386E-C9	5.387E-09	5.885E-09	5.982E-09	5.761E-C9	4.884E-09	4.884E-09
7.55044E-01	5.421E-C9	5.856E-C9	6.875E-C9	7.336E-09	7.347E-09	7.053E-C9	5.870E-C9	5.870E-C9
8.65631E-01	9.846E-C9	8.482E-C9	9.424E-09	9.83E-09	9.591E-09	9.066E-C9	7.310E-09	7.310E-09
9.44575E-01	2.433E-C8	2.060E-C8	1.683E-08	1.55CE-08	1.417E-08	1.275E-C8	9.760E-09	9.760E-09
9.89401E-01	9.107E-C8	8.977E-08	7.482E-08	5.898E-08	4.582E-08	3.558E-C8	2.151E-C8	2.151E-C8
TOTAL	5.729E-C8	6.012E-08	6.408E-08	6.516E-08	6.341E-08	5.973E-C8	4.900E-08	4.900E-08
~OSINE	500.0	60C.0	900.0	RANGE (METERS)	12CC.C	1500.0	1800.0	
-1.00000E 00	1.632E-C9	1.209E-09	3.861E-10	9.33CE-11	2.247E-11	4.671E-12	4.671E-12	
-9.89401E-01	1.637E-C9	1.212E-09	3.875E-10	9.961E-11	2.254E-11	4.682E-12	4.682E-12	
-9.44575E-01	1.638E-C9	1.228E-09	3.924E-10	1.009E-10	2.284E-11	4.748E-12	4.748E-12	
-8.65631E-01	1.698E-09	1.258E-09	4.021E-10	1.034E-10	2.340E-11	4.865E-12	4.865E-12	
-7.55044E-01	1.753E-09	1.335E-09	4.165E-10	1.071E-10	2.424E-11	5.039E-12	5.039E-12	
-6.17876E-01	1.842E-C9	1.365E-09	4.365E-10	1.123E-10	2.539E-11	5.277E-12	5.277E-12	
-4.58017E-01	1.955E-C9	1.448E-09	4.628E-10	1.189E-10	2.689E-11	5.589E-12	5.589E-12	
-2.81605E-01	2.02E-09	1.556E-09	4.967E-10	1.275E-10	2.881E-11	5.984E-12	5.984E-12	
-9.50125E-02	2.291E-C9	1.695E-C9	5.397E-10	1.383E-10	3.122E-11	6.477E-12	6.477E-12	
9.50125E-02	2.534E-C9	1.871E-C9	5.937E-10	1.518E-10	3.422E-11	7.086E-12	7.086E-12	
2.81605E-01	2.846E-C9	2.096E-09	6.612E-10	1.685E-10	3.786E-11	7.830E-12	7.830E-12	
4.58017E-01	3.251E-C9	2.384E-09	7.457E-10	1.890E-10	4.232E-11	8.731E-12	8.731E-12	
6.17876E-01	3.781E-C9	2.756E-09	8.513E-10	2.141E-10	4.770E-11	9.807E-12	9.807E-12	
7.55044E-01	3.243E-09	9.832E-10	2.446E-10	5.410E-11	1.107E-11			
8.65631E-01	5.485E-C9	3.903E-09	1.15CE-09	2.814E-10	6.158E-11	1.251E-11	1.251E-11	
9.44575E-01	7.051E-C9	4.881E-09	1.366E-09	3.254E-10	7.0C6E-11	1.4C8E-11	1.4C8E-11	
9.89401E-01	1.310E-08	8.01CE-09	1.819E-09	3.946E-10	8.1C1E-11	1.585E-11	1.585E-11	
TOTAL	3.735E-C8	2.699E-C8	8.261E-09	2.076E-09	4.628E-10	9.526E-11		

(CM**2 4 PI R**2 AIR KERMA (NEUTRONS)
(ERGS/GRAM/STERADIAN/SOURCE NEUTRON)

1.108 TO 2.350 MEV NEUTRON SOURCE

COSINE	75.0	100.0	150.0	RANGE (METERS)	250.0	300.0	400.0
				2CC.0			
-1.00000E+00	1.0C64E-C9	1.31CE-09	1.692E-09	1.937E-09	2.061E-09	2.089E-C9	2.0938E-09
-9.89401E-01	1.0C66E-C9	1.333E-09	1.696E-C9	1.942E-09	2.066E-09	2.094E-C9	2.0943E-09
-9.44575E-01	1.0C76E-C9	1.325E-09	1.713E-09	1.962E-09	2.088E-09	2.116E-C9	1.963E-09
-8.65631E-01	1.051E-09	1.747E-09	2.002E-09	2.02E-09	2.131E-09	2.003E-09	2.003E-09
-7.55044E-01	1.130E-09	1.993E-09	1.802E-09	2.065E-09	2.197E-09	2.226E-C9	2.062E-09
-6.17876E-01	1.181E-09	1.455E-09	1.882E-09	2.155E-C9	2.291E-09	2.319E-C9	2.145E-C9
-4.58017E-01	1.253E-09	1.544E-09	1.944E-09	2.280E-09	2.420E-09	2.466E-C9	2.256E-09
-2.81605E-01	1.354E-C9	1.667E-C9	2.146E-09	2.448E-09	2.593E-09	2.615E-C9	2.402E-09
-9.50125E-02	1.494E-C9	1.836E-C9	2.352E-C9	2.672E-09	2.821E-09	2.836E-C9	2.591E-09
9.50125E-C2	1.921E-C9	2.069E-09	2.761E-09	2.900E-09	3.043E-09	3.148E-C9	2.633E-C9
2.81605E-01	1.888E-C9	2.421E-09	2.983E-09	3.442E-09	3.594E-09	3.496E-C9	3.156E-09
4.58017E-01	2.248E-09	2.019E-09	3.531E-C9	3.898E-09	4.030E-09	4.046E-C9	3.573E-09
6.17876E-01	3.149E-C9	3.561E-C9	4.329E-09	4.804E-09	4.911E-09	4.743E-C9	4.143E-09
7.55044E-01	4.661E-C9	4.931E-C9	5.692E-C9	5.974E-C9	5.987E-09	5.932E-09	4.932E-09
8.65631E-01	8.696E-C9	7.273E-C9	7.816E-C9	8.096E-C9	7.917E-09	7.428E-09	6.111E-C9
9.44575E-01	2.223E-C8	1.844E-C8	1.46CE-C8	1.314E-C8	1.188E-08	1.066E-08	8.183E-09
9.89401E-01	8.547E-08	8.319E-C8	6.905E-08	5.384E-C8	4.138E-C8	3.182E-C8	1.897E-08
TOTAL	4.985E-08	5.149E-C8	5.374E-08	5.425E-C8	5.300E-08	5.048E-C8	4.281E-C8
COSINE	500.0	600.0	900.0	RANGE (METERS)	1200.0	1500.0	1800.0
				2CC.0			
-1.00000E+00	1.636E-C9	1.29CE-C9	4.812E-10	1.381E-10	3.376E-11	7.424E-12	7.440E-12
-9.89401E-01	1.640E-C9	1.293E-C9	4.823E-10	1.384E-10	3.383E-11	7.414E-11	7.507E-12
-9.44575E-01	1.657E-C9	1.331E-C9	4.870E-10	1.397E-10	3.472E-11	7.632E-12	7.632E-12
-8.65631E-01	1.689E-C9	1.331E-C9	4.957E-10	1.421E-10	3.456E-11	7.814E-12	7.814E-12
-7.55044E-01	1.738E-C9	1.368E-09	5.086E-10	1.456E-10	3.556E-11	8.058E-12	8.058E-12
-6.17876E-C1	1.805E-C9	1.419E-C9	2.261E-10	1.504E-10	3.699E-11	8.368E-12	8.368E-12
-4.58017E-01	1.894E-C9	1.486E-C9	5.489E-10	1.566E-10	3.814E-11	8.753E-12	8.753E-12
-2.81605E-01	2.10E-C9	1.573E-09	5.777E-10	1.643E-10	3.994E-11	9.218E-12	9.218E-12
-9.50125E-02	2.158E-09	1.683E-C9	6.135E-10	1.737E-10	4.214E-11	9.478E-12	9.478E-12
9.50125E-02	2.348E-C9	1.822E-C9	6.577E-10	1.852E-10	4.478E-11	9.744E-12	9.744E-12
2.81605E-01	2.590E-C9	1.998E-C9	7.121E-10	1.991E-10	4.792E-11	1.043E-11	1.043E-11
4.58017E-01	2.905E-C9	2.222E-C9	7.790E-10	2.158E-10	5.164E-11	1.120E-11	1.120E-11
6.17876E-01	3.320E-09	2.512E-09	8.617E-10	2.358E-10	5.61CE-11	1.209E-11	1.209E-11
7.55044E-01	3.882E-C9	2.894E-C9	9.645E-10	2.597E-10	6.109E-11	1.310E-11	1.310E-11
8.65631E-01	4.684E-09	3.422E-C9	1.095E-09	2.884E-10	6.695E-11	1.424E-11	1.424E-11
9.44575E-01	5.988E-09	4.224E-09	1.269E-09	3.233E-10	7.364E-11	1.547E-11	1.547E-11
9.89401E-C1	1.149E-C8	7.045E-C9	1.666E-09	3.827E-10	8.287E-11	1.694E-11	1.694E-11
TOTAL	3.400E-C8	2.567E-08	8.866E-09	2.448E-09	5.854E-10	1.269E-10	

${}^4\text{P}1$ R2 IONIZING SILICON KERMA (NEUTRONS)
($\text{CH}**2$ ERGS/GRAM/STERADIAN/SOURCE NEUTRON)**

1.168 TO 2.35C MEV NEUTRON SOURCE

COSINE	75.0	100.0	150.0	RANGE (METERS)			
				200.0	250.0	300.0	400.0
-1.00000E+00	9.290E-11	1.459E-10	1.628E-10	1.675E-10	1.635E-10	1.401E-10	
-9.89401E-01	9.310E-11	1.147E-10	1.463E-10	1.632E-10	1.68CE-10	1.640E-10	1.405E-10
-9.44575E-01	9.392E-11	1.158E-10	1.478E-10	1.650E-10	1.700E-10	1.660E-10	1.423E-10
-8.65631E-01	9.565E-11	1.182E-10	1.508E-10	1.687E-10	1.79E-10	1.700E-10	1.558E-10
-7.55044E-01	9.846E-11	1.216E-10	1.557E-10	1.743E-10	1.795E-10	1.760E-10	1.512E-10
-6.17876E-01	1.027E-10	1.272E-10	1.627E-10	1.824E-10	1.885E-10	1.845E-10	1.581E-10
-4.58017E-01	1.487E-10	1.345E-10	1.725E-10	1.935E-10	2.001E-10	1.911E-10	1.687E-10
-2.81605E-01	1.170E-10	1.448E-10	1.858E-10	2.085E-10	2.157E-10	2.113E-10	1.820E-10
-9.50125E-02	1.285E-10	1.590E-10	2.36E-10	2.283E-10	2.361E-10	2.313E-10	1.991E-10
9.50125E-02	1.688E-10	1.92E-10	2.330E-10	2.517E-10	2.597E-10	2.584E-10	2.212E-10
2.81605E-01	1.623E-10	2.195E-10	2.616E-10	2.927E-10	3.015E-10	2.912E-10	2.502E-10
4.58017E-01	1.910E-10	2.458E-10	3.020E-10	3.368E-10	3.451E-10	3.385E-10	2.879E-10
6.17876E-01	2.605E-10	3.044E-10	3.731E-10	4.092E-10	4.162E-10	4.003E-10	3.384E-10
7.55044E-01	3.798E-10	4.072E-10	4.772E-10	5.097E-10	5.168E-10	4.905E-10	4.074E-10
8.65631E-01	6.933E-10	5.916E-10	6.545E-10	6.799E-10	6.671E-10	6.265E-10	5.079E-10
9.44575E-01	1.707E-09	1.448E-09	1.180E-09	1.082E-09	9.874E-10	8.885E-10	6.93E-10
9.89401E-01	6.502E-09	6.397E-09	5.332E-09	4.204E-09	3.264E-09	2.533E-09	1.527E-09
TOTAL	4.010E-09	4.200E-09	4.472E-09	4.542E-09	4.413E-09	4.148E-09	3.383E-09
COSINE	50.0	60.0	600.0	RANGE (METERS)			
				900.0	1200.0	1500.0	1800.0
COSINE	50.0	60.0	600.0	RANGE (METERS)			
				900.0	1200.0	1500.0	1800.0
-1.00000E+00	1.091E-10	7.981E-11	2.465E-11	6.169E-11	1.366E-12	2.794E-13	
-9.89401E-01	1.095E-10	8.007E-11	2.474E-11	6.191E-11	1.371E-12	2.804E-13	
-9.44575E-01	1.109E-10	8.116E-11	2.509E-11	6.281E-11	1.391E-12	2.845E-13	
-8.65631E-01	1.138E-10	8.37E-11	2.576E-11	6.452E-11	1.430E-12	2.924E-13	
-7.55044E-01	1.180E-10	8.643E-11	2.677E-11	6.71CE-11	1.486E-12	3.041E-13	
-6.17876E-01	1.240E-10	9.084E-11	2.816E-11	7.060E-11	1.565E-12	3.203E-13	
-4.58017E-01	1.319E-10	9.67CE-11	3.000E-11	7.523E-11	1.668E-12	3.414E-13	
-2.81605E-01	1.423E-10	1.043E-10	3.238E-11	8.12CE-11	1.801E-12	3.686E-13	
-9.50125E-02	1.557E-10	1.141E-10	3.540E-11	8.875E-11	1.968E-12	4.026E-13	
9.50125E-02	1.729E-10	1.266E-10	3.920E-11	9.820E-11	2.176E-12	4.450E-13	
2.81605E-01	1.949E-10	1.425E-10	4.398E-11	1.099E-11	2.432E-12	4.970E-13	
4.58017E-01	2.234E-10	1.638E-10	4.995E-11	1.244E-11	2.747E-12	5.603E-13	
6.17876E-01	2.607E-10	1.891E-10	5.741E-11	1.422E-11	3.127E-12	6.362E-13	
7.55044E-01	3.106E-10	2.233E-10	6.672E-11	1.6375E-11	3.58CE-12	7.254E-13	
8.65631E-01	3.801E-10	2.666E-10	7.844E-11	1.897E-11	4.108E-12	8.272E-13	
9.44575E-01	4.898E-10	3.382E-10	9.371E-11	2.098E-11	4.708E-12	9.383E-13	
9.89401E-01	9.269E-10	5.666E-10	1.265E-10	2.709E-11	5.50CE-12	1.0666E-12	
TOTAL	2.560E-09	1.826E-09	5.496E-10	1.354E-10	2.973E-11	6.043E-12	

4 PL R**2 NON IONIZING SILICON KERMA (NEUTRONS)
 (CM**2 ERGS/GRAM/STERADIAN/SOURCE NEUTRON) 1.1E8 TO 2.35C MEV NEUTRON SOURCE

COSINE	75.0	100.C	150.C	RANGE (METERS)	200.C	250.0	300.C	400.C
-1.00000E+0C	1.542E-1C	1.889E-10	2.384E-10	2.638E-10	2.697E-10	2.618E-10	2.221E-10	2.228E-1C
-9.894C1E-01	1.546E-1C	1.894E-1C	2.390E-10	2.645E-10	2.705E-10	2.628E-10	2.228E-1C	2.658E-1C
-9.44575E-01	1.559E-1C	2.415E-10	2.675E-10	2.734E-10	2.737E-10	2.657E-10	2.257E-1C	2.613E-1C
-8.65631E-01	1.587E-1C	1.948E-10	2.465E-10	2.824E-10	2.826E-10	2.819E-10	2.722E-10	2.722E-1C
-7.55044E-01	1.633E-1C	2.0C7E-1C	2.544E-10	2.860E-10	2.898E-10	2.819E-10	2.399E-10	2.399E-1C
-6.17876E-01	1.702E-10	2.094E-1C	2.660E-10	2.959E-10	2.959E-10	2.917E-10	2.520E-10	2.520E-1C
-4.58017E-01	1.801E-1C	2.17E-10	2.821E-10	3.141E-10	3.227E-10	3.145E-10	2.683E-10	2.683E-1C
-2.81605E-01	1.938E-10	2.388E-1C	3.038E-10	3.386E-10	3.481E-10	3.394E-10	2.898E-10	2.898E-1C
-9.50125E-02	2.127E-1C	2.620E-1C	3.331E-10	3.712E-10	3.816E-10	3.721E-10	3.177E-10	3.177E-1C
9.50125E-02	2.829E-10	3.231E-1C	3.785E-10	4.113E-10	4.223E-10	4.159E-10	3.539E-10	3.539E-1C
2.81605E-01	2.69E-1C	3.465E-1C	4.310E-10	4.757E-10	4.877E-10	4.709E-10	4.012E-10	4.012E-1C
4.58017E-01	3.165E-1C	4.35E-1C	4.931E-10	5.511E-10	5.624E-10	5.479E-10	4.632E-10	4.632E-1C
6.17876E-01	4.272E-10	6.772E-1C	6.146E-10	6.683E-10	6.772E-10	6.506E-10	5.463E-10	5.463E-1C
7.55044E-01	6.194E-10	6.85E-1C	7.819E-10	8.357E-10	8.353E-10	7.989E-10	6.603E-10	6.603E-1C
8.65631E-01	1.124E-09	c.662E-1C	1.755E-09	1.114E-09	1.911E-09	1.911E-09	1.023E-09	8.262E-1C
9.44575E-01	2.751E-09	2.343E-C9	1.921E-09	1.768E-C9	1.615E-09	1.652E-C9	1.108E-09	1.108E-0C9
9.894n1E-01	1.C366E-C8	1.C21E-C8	8.532E-09	6.741E-G9	5.244E-09	4.C76E-09	2.464E-09	2.464E-0C9
TOTAL	6.521E-C9	6.841E-C9	7.286E-09	7.388E-09	7.159E-C9	6.707E-C9	5.437E-C9	5.437E-C9

COSINE	500.0	60C.C	90C.C	RANGE (METERS)	120C.C	150C.C	180C.C
-1.00000E+0C	1.718E-1C	1.248E-1C	3.8C8E-11	9.454E-12	2.082E-12	4.242E-13	4.242E-13
-9.894C1E-01	1.723E-1C	1.253E-10	3.82E-11	9.487E-12	2.090E-12	4.257E-13	4.257E-13
-9.44575E-01	1.746E-1C	1.70E-10	3.877E-11	9.628E-12	2.121E-12	4.322E-13	4.322E-13
-8.65631E-01	1.792E-1C	1.3C4E-1C	3.982E-11	9.895E-12	2.181E-12	4.444E-13	4.444E-13
-7.55044E-01	1.860E-1C	1.354E-1C	4.140E-11	1.029E-11	2.269E-12	4.625E-13	4.625E-13
-6.17876E-01	1.953E-1C	1.424E-1C	4.361E-11	1.085E-11	2.392E-12	4.816E-13	4.816E-13
-4.58017E-01	2.082E-10	1.518E-1C	4.652E-11	1.158E-11	2.553E-12	5.05E-13	5.05E-13
-2.81605E-01	2.251E-10	1.641E-1C	5.030E-11	1.252E-11	2.761E-12	5.630E-13	5.630E-13
-9.50125E-02	2.467E-1C	1.799E-10	5.513E-11	1.372E-11	3.024E-12	6.165E-13	6.165E-13
9.50125E-02	2.747E-1C	2.C1E-10	6.123E-11	1.522E-11	3.354E-12	6.833E-13	6.833E-13
2.81605E-01	3.167E-10	2.26E-1C	6.894E-11	1.71CE-11	3.763E-12	7.660E-13	7.660E-13
4.58017E-01	3.577E-1C	2.592E-10	7.863E-11	1.944E-11	4.268E-12	8.672E-13	8.672E-13
6.17876E-01	4.188E-1C	3.C23E-1C	9.C81E-11	2.232E-11	4.883E-12	9.895E-13	9.895E-13
7.55044E-01	5.C10E-10	3.587E-1C	1.C61E-1C	2.585E-11	5.62CE-12	1.134E-12	1.134E-12
8.65631E-01	6.159E-1C	4.351E-1C	1.251E-10	3.011E-11	6.487E-12	1.301E-12	1.301E-12
9.44575E-01	7.965E-1C	5.482E-1C	1.506E-10	3.524E-11	7.475E-12	1.833E-12	1.833E-12
9.894C1E-01	9.115E-1C	2.035E-10	4.335E-11	8.766E-12	1.691E-12	3.339E-12	3.339E-12
TOTAL	4.092E-09	2.921E-09	8.643E-10	2.114E-10	4.613E-11	9.339E-11	9.339E-11

⁴PI R**2 HENDERSON DOSE (GAMMAS)
(CM**2 RAD/STERADIAN SOURCE NEUTRON)

1.1C8 TO 2.35C MEV NEUTRON SOURCE

COSINE	75.0	100.0	150.0	RANGE (METERS)	250.0	300.0	400.0
-1.0000E 00	3.325E-13	6.510E-13	9.907E-13	1.306E-12	1.566E-12	1.865E-12	
-9.89401E-01	1.994E-13	3.330E-13	6.525E-13	9.936E-13	1.31CE-12	1.572E-12	1.874E-12
-9.44575E-01	2.004E-13	3.352E-13	6.585E-13	1.025E-12	1.328E-12	1.596E-12	1.908E-12
-8.65631E-01	2.024E-13	3.394E-13	6.702E-13	1.028E-12	1.363E-12	1.643E-12	1.976E-12
-7.55044E-01	2.052E-13	3.456E-13	6.875E-13	1.061E-12	1.415E-12	1.714E-12	2.077E-12
-6.17376E-01	2.089E-13	3.537E-13	7.104E-13	1.104E-12	1.485E-12	1.809E-12	2.215E-12
-4.58017E-01	2.134E-13	3.536E-13	7.386E-13	1.161E-12	1.574E-12	1.934E-12	2.399E-12
-2.81605E-01	2.185E-13	3.751E-13	7.723E-13	1.229E-12	1.684E-12	2.090E-12	2.638E-12
-9.50125E-02	2.242E-13	3.880E-13	8.112E-13	1.309E-12	1.818E-12	2.283E-12	2.942E-12
9.50125E-02	2.303E-13	4.020E-13	8.547E-13	1.401E-12	1.975E-12	2.517E-12	3.327E-12
2.81605E-01	2.366E-13	4.165E-13	9.014E-13	1.504E-12	2.157E-12	2.792E-12	3.804E-12
4.58017E-01	2.428E-13	4.311E-13	9.502E-13	1.615E-12	2.357E-12	3.038E-12	4.383E-12
5.17876E-01	2.485E-13	4.455E-13	9.990E-13	1.729E-12	2.571E-12	3.454E-12	5.061E-12
7.55044E-01	2.536E-13	4.581E-13	1.044E-12	1.839E-12	2.785E-12	3.813E-12	5.813E-12
3.65631E-01	2.581E-13	4.684E-13	1.083E-12	1.936E-12	2.982E-12	4.15E-12	6.577E-12
9.44575E-01	2.611E-13	4.766E-13	1.112E-12	2.012E-12	3.128E-12	4.434E-12	7.247E-12
9.89401E-01	2.610E-13	4.791E-13	1.128E-12	2.055E-12	3.231E-12	4.60CE-12	7.685E-12
TOTAL	2.872E-12	5.013E-12	1.071E-11	1.772E-11	2.532E-11	3.283E-11	4.54CE-11
COSINE	500.0	600.0	900.0	RANGE (METERS)	1200.0	1500.0	1800.0
-1.0000E 00	1.883E-12	1.705E-12	8.564E-13	3.152E-13	1.012E-13	3.111E-14	
-9.89401E-01	1.715E-12	1.755E-12	8.643E-13	3.21CE-13	1.055E-13	3.391E-14	
-9.44575E-01	1.933E-12	1.833E-12	8.549E-13	3.415E-13	1.183E-13	4.234E-14	
-8.65631E-01	2.011E-12	1.833E-12	9.484E-13	3.723E-13	1.371E-13	5.197E-14	
-7.55044E-01	2.126E-12	2.107E-12	1.011E-12	4.042E-13	1.503E-13	5.881E-14	
-6.17376E-01	2.289E-12	2.323E-12	1.237E-12	4.376E-13	1.583E-13	5.839E-14	
-4.58017E-01	2.501E-12	2.616E-12	1.420E-12	4.819E-13	1.682E-13	5.851E-14	
-2.81605E-01	3.164E-12	3.014E-12	1.687E-12	5.543E-13	1.909E-13	6.588E-14	
-9.50125E-02	3.657E-12	3.551E-12	2.778E-12	6.725E-13	2.364E-13	8.375E-14	
2.81605E-01	4.297E-12	4.275E-12	2.651E-12	8.553E-13	3.098E-13	1.133E-13	
4.58017E-01	5.115E-12	5.244E-12	3.510E-12	1.134E-12	4.190E-13	1.529E-13	
6.17376E-01	6.132E-12	6.520E-12	4.822E-12	1.583E-12	5.97CE-13	2.135E-13	
7.55044E-01	7.337E-12	8.132E-12	6.805E-12	2.358E-12	9.401E-13	3.422E-13	
8.65631E-01	8.649E-12	1.001E-11	9.629E-12	3.743E-12	1.661E-12	6.622E-13	
9.44575E-01	9.879E-12	1.190E-11	1.311E-12	6.123E-12	3.136E-12	1.432E-12	
9.89401E-01	1.033E-11	1.329E-11	1.622E-11	1.356E-11	5.244E-12	5.577E-12	
TOTAL	5.281E-11	5.475E-11	4.662E-11	2.200E-11	1.048E-11	4.774E-12	

$^4\text{P}_1$ R**2 CONCRETE KERMA (GAMMAS)
 (CM**2 ERGS/GRAM/SOURCE NEUTRON)

1.108 TO 2.350 MEV NEUTRON SOURCE

COSINE	75.0	100.0	150.0	RANGE (METERS)	250.0	300.0	400.0
-1.00000E+00	2.036E-11	3.403E-11	6.681E-11	1.022E-10	1.348E-10	1.623E-10	1.950E-10
-9.65401E-01	2.038E-11	3.409E-11	6.696E-11	1.023E-10	1.353E-10	1.629E-10	1.959E-10
-9.44575E-01	2.049E-11	3.431E-11	6.756E-11	1.034E-10	1.371E-10	1.653E-10	1.993E-10
-8.65631E-01	2.062E-11	3.473E-11	6.870E-11	1.057E-10	1.426E-10	2.061E-10	
-7.55044E-01	2.097E-11	3.535E-11	7.646E-11	1.090E-10	1.458E-10	1.771E-10	2.162E-10
-6.17876E-01	2.134E-11	3.616E-11	7.274E-11	1.134E-10	1.527E-10	1.867E-10	2.301E-10
-4.58017E-01	2.178E-11	3.714E-11	7.557E-11	1.19CE-10	1.617E-10	1.992E-10	2.486E-10
-2.81605E-01	2.230E-11	3.829E-11	7.894E-11	1.258E-10	1.727E-10	2.148E-10	2.724E-10
-9.50125E-02	2.287E-11	3.958E-11	8.282E-11	1.338E-10	1.861E-10	2.311E-10	3.029E-10
9.50125E-02	2.347E-11	4.098E-11	8.717E-11	1.43CE-10	2.018E-10	2.574E-10	3.413E-10
2.81605E-01	2.413E-11	4.243E-11	9.182E-11	1.533E-10	2.199E-10	2.849E-10	3.889E-10
4.58017E-01	2.472E-11	4.388E-11	9.670E-11	1.643E-10	2.399E-10	3.633E-10	4.467E-10
6.17876E-01	2.529E-11	4.532E-11	1.016E-10	1.757E-10	2.613E-10	3.509E-10	5.143E-10
7.55044E-01	2.580E-11	4.658E-11	1.061E-10	1.861E-10	2.826E-10	3.866E-10	5.892E-10
8.65631E-01	2.625E-11	4.761E-11	1.100E-10	1.964E-10	3.022E-10	4.207E-10	6.654E-10
9.44575E-01	2.654E-11	4.842E-11	1.129E-10	2.039E-10	3.178E-10	4.467E-10	7.322E-10
9.89401E-01	2.744E-11	4.868E-11	1.144E-10	2.082E-10	3.271E-10	4.629E-10	7.759E-10
TOTAL	2.927E-10	5.111E-10	1.C92E-C9	1.8C8E-09	2.585E-09	3.354E-C9	4.646E-09
COSINE	500.0	600.0	900.0	RANGE (METERS)	1200.0	1500.0	1800.0
-1.00000E+00	1.990E-10	1.824E-10	9.669E-11	3.867E-11	1.399E-11	5.035E-12	
-9.89401E-01	2.000E-10	1.834E-10	9.748E-11	3.924E-11	1.442E-11	5.318E-12	
-9.44575E-C1	2.040E-10	1.875E-10	1.C06E-10	4.132E-11	1.57CE-11	6.152E-12	
-8.65631E-01	2.118E-10	1.954E-10	1.C60E-10	4.444E-11	1.760E-11	7.123E-12	
-7.55044E-01	2.234E-10	2.069E-10	1.132E-10	4.772E-11	1.897E-11	7.831E-12	
-6.17876E-01	2.395E-10	2.229E-10	1.225E-10	5.120E-11	1.986E-11	7.840E-12	
-4.58017E-01	2.611E-10	2.446E-10	1.354E-10	5.580E-11	2.096E-11	7.908E-12	
-2.81605E-01	2.899E-10	2.741E-10	1.538E-10	6.319E-11	2.332E-11	8.687E-12	
-9.50125E-02	3.274E-10	3.139E-10	1.8C7E-10	7.514E-11	2.794E-11	1.051E-11	
9.50125E-02	3.767E-10	3.676E-10	2.198E-10	9.348E-11	3.533E-11	1.348E-11	
2.81605E-01	4.406E-10	4.398E-10	2.770E-10	1.213E-10	4.625E-11	1.45E-11	
4.58017E-01	5.221E-10	5.365E-10	3.626E-10	1.660E-10	6.393E-11	2.347E-11	
6.17876E-01	6.235E-10	6.636E-10	4.930E-10	2.429E-10	9.788E-11	3.616E-11	
7.55044E-01	7.435E-10	8.241E-10	6.501E-10	3.802E-10	1.691E-10	6.763E-11	
8.65631E-01	8.742E-10	1.C11E-09	9.709E-10	6.164E-10	3.152E-10	1.437E-10	
9.44575E-01	9.967E-10	1.199E-C9	1.318E-C9	9.717E-10	5.792E-10	3.056E-10	
9.89401E-01	1.C86E-C9	1.338E-C9	1.626E-09	1.357E-09	9.242E-10	5.574E-10	
TOTAL	5.415E-C9	5.625E-C9	4.201E-C9	2.289E-09	1.C95E-09	5.005E-10	

⁴P1/2**2 AIR KERMA (GAMMAS)
(CH**2 ERGS/GRAM/SRADIANT/SOURCE NEUTRON)

1.108 TO 2.350 MEV NEUTRON SOURCE

COSINE	75.0	100.0	150.0	200.0	250.0	300.0	400.0
-1.00000E-00	2.247E-11	3.784E-11	7.545E-11	1.172E-10	1.585E-10	1.941E-10	2.445E-10
-9.89401E-01	2.501E-11	3.789E-11	7.501E-11	1.175E-10	1.684E-10	1.947E-10	2.454E-10
-9.44575E-01	2.260E-11	3.810E-11	7.618E-11	1.186E-10	1.602E-10	1.971E-10	2.489E-10
-8.65631E-01	2.218E-11	3.851E-11	7.731E-11	1.208E-10	1.636E-10	2.018E-10	2.557E-10
-7.55044E-01	2.366E-11	3.91CE-11	7.897E-11	1.240E-10	1.686E-10	2.087E-10	2.657E-10
-6.17876E-01	2.361E-11	3.987E-11	8.116E-11	1.282E-10	1.754E-10	2.180E-10	2.795E-10
-4.58017E-01	2.383E-11	4.081E-11	8.386E-11	1.336E-10	1.840E-10	2.201E-10	2.977E-10
-2.81605E-01	2.432E-11	4.190E-11	8.707E-11	1.401E-10	1.946E-10	2.453E-10	3.210E-10
-9.50125E-02	2.446E-11	4.312E-11	9.077E-11	1.478E-10	2.074E-10	2.638E-10	3.506E-10
9.50125E-02	2.544E-11	4.445E-11	9.490E-11	1.565E-10	2.224E-10	2.881E-10	3.875E-10
2.81605E-01	2.603E-11	4.582E-11	9.931E-11	1.663E-10	2.396E-10	3.122E-10	4.330E-10
4.58017E-01	2.662E-11	4.72CE-11	1.039E-10	1.767E-10	2.585E-10	3.220E-10	4.878E-10
6.17876E-01	2.715E-11	4.856E-11	1.084E-10	1.874E-10	2.786E-10	3.446E-10	5.514E-10
7.55044E-01	2.767E-11	4.975E-11	1.127E-10	1.977E-10	2.987E-10	4.082E-10	6.216E-10
8.65631E-01	2.806E-11	5.071E-11	1.164E-10	2.068E-10	3.168E-10	4.399E-10	6.926E-10
9.44575E-01	2.833E-11	5.148E-11	1.191E-10	2.139E-10	3.316E-10	4.659E-10	7.547E-10
9.89401E-01	2.833E-11	5.172E-11	1.205E-10	2.179E-10	3.402E-10	4.819E-10	7.952E-10
TOTAL	3.175E-10	5.548E-10	1.188E-C9	1.975E-C9	2.838E-09	3.701E-C9	5.191E-C9

COSINE	500.0	600.0	900.0	1200.0	1500.0	1800.0
-1.00000E-00	2.633E-10	2.563E-10	1.576E-10	8.521E-11	3.936E-11	1.767E-11
-9.89401E-01	2.643E-10	2.571E-10	1.665E-10	8.583E-11	3.981E-11	1.795E-11
-9.44575E-01	2.684E-10	2.616E-10	1.719E-10	8.810E-11	4.118E-11	1.831E-11
-8.65631E-01	2.764E-10	2.698E-10	1.779E-10	9.166E-11	4.330E-11	1.989E-11
-7.55044E-01	2.892E-10	2.817E-10	1.859E-10	9.877E-11	4.511E-11	2.082E-11
-6.17876E-01	3.044E-10	2.982E-10	1.965E-10	1.002E-10	4.667E-11	2.196E-11
-4.58017E-01	3.260E-10	3.204E-10	2.107E-10	1.061E-10	4.860E-11	2.172E-11
-2.81605E-01	3.544E-10	3.501E-10	2.306E-10	1.149E-10	5.19CE-11	2.398E-11
-9.50125E-02	3.914E-10	3.896E-10	2.586E-10	1.283E-10	5.744E-11	2.530E-11
9.50125E-02	4.392E-10	4.422E-10	2.984E-10	1.478E-10	6.573E-11	2.877E-11
2.81605E-01	5.006E-10	5.121E-10	3.551E-10	1.765E-10	7.748E-11	3.326E-11
4.58017E-01	5.781E-10	6.044E-10	4.382E-10	2.208E-10	9.566E-11	3.977E-11
6.17876E-01	6.737E-10	7.245E-10	5.624E-10	2.950E-10	1.29CE-10	5.244E-11
7.55044E-01	7.861E-10	8.747E-10	7.473E-10	4.243E-10	1.964E-10	8.262E-11
8.65631E-01	9.C78E-10	1.049E-09	1.008E-C9	6.434E-10	3.321E-10	1.533E-10
9.44575E-01	1.021E-C9	1.223E-09	1.327E-09	9.698E-10	5.742E-10	3.018E-10
9.89401E-01	1.10CE-09	1.351E-C9	1.611E-C9	1.322E-09	8.883E-10	5.304E-10
TOTAL	6.136E-C9	6.472E-C9	5.0668E-C9	2.883E-09	1.426E-09	6.671E-10

PLR**2 SILICON KERMA (GAMMAS)
(CM**2 ERGS/GRAM/STERADIAN/SOURCE NEUTRON)

1.108 TO 2.350 MEV NEUTRON SOURCE

COSINE	75.0	100.0	150.0	RANGE (METERS)	250.C	300.J	400.0
				900.C	1200.C	150.C.0	180C.0
-1.000E+00	2.102E-11	3.516E-11	6.907E-11	1.055E-10	1.397E-10	1.683E-10	2.029E-10
-9.894C1E-01	2.105E-11	3.521E-11	6.923E-11	1.058E-10	1.690E-10	2.038E-10	2.073E-10
-9.44575E-01	2.115E-11	3.544E-11	6.984E-11	1.07CE-10	1.4CE-10	2.073E-10	2.143E-10
-8.65631E-01	2.135E-11	3.587E-11	7.105E-11	1.093E-10	1.656E-10	1.763E-10	2.143E-10
-7.55044E-01	2.165E-11	3.625E-11	7.282E-11	1.127E-10	1.506E-10	1.835E-10	2.246E-10
-6.17876E-01	2.202E-11	3.733E-11	7.515E-11	1.172E-10	1.580E-10	1.933E-10	2.389E-10
-4.58017E-01	2.248E-11	3.834E-11	7.805E-11	1.230E-10	1.672E-10	2.061E-10	2.577E-10
-2.81605E-01	2.301E-11	3.952E-11	8.150E-11	1.299E-10	1.775E-10	2.221E-10	2.821E-10
-9.50125E-02	2.359E-11	4.083E-11	8.547E-11	1.381E-10	1.922E-10	2.419E-10	3.133E-10
9.50125E-02	2.421E-11	4.227E-11	8.993E-11	1.476E-10	2.083E-10	2.657E-10	3.526E-10
2.81605E-01	2.486E-11	4.377E-11	9.470E-11	1.581E-10	2.268E-10	2.939E-10	4.014E-10
4.58017E-01	2.549E-11	4.525E-11	9.969E-11	1.694E-10	2.463E-10	3.055E-10	4.405E-10
6.17876E-01	2.607E-11	4.672E-11	1.047E-10	1.81CE-10	2.692E-10	3.615E-10	5.298E-10
7.55044E-01	2.660E-11	4.800E-11	1.093E-10	1.923E-10	2.911E-10	3.983E-10	6.066E-10
8.65631E-01	2.706E-11	4.936E-11	1.133E-10	2.023E-10	3.112E-10	4.331E-10	6.847E-10
9.44575E-01	2.736E-11	4.990E-11	1.163E-10	2.100E-10	3.212E-10	4.617E-10	7.531E-10
9.89401E-01	2.735E-11	5.116E-11	1.178E-10	2.144E-10	3.367E-10	4.794E-10	7.979E-10
TOTAL	3.626E-10	5.272E-10	1.126E-09	1.865E-09	2.668E-09	3.462E-C9	4.7988E-09
COSINE	500.C	600.R	RANGE (METERS)	900.C	1200.C	150.C.0	180C.0
-1.000E+00	2.679E-10	1.914E-10	1.033E-10	4.241E-11	1.585E-11	5.907E-11	5.907E-12
-9.89401E-01	2.689E-10	1.925E-10	1.041E-10	4.301E-11	1.629E-11	6.197E-11	6.197E-12
-9.44575E-01	2.130E-10	1.966E-10	1.073E-10	4.513E-11	1.671E-11	7.053E-11	7.053E-12
-8.65631E-01	2.209E-10	2.046E-10	1.128E-10	4.832E-11	1.955E-11	8.049E-12	8.049E-12
-7.55044E-01	2.328E-10	2.164E-10	1.297E-10	1.666E-11	2.694E-11	8.768E-12	8.768E-12
-6.17876E-01	2.492E-10	2.328E-10	1.297E-10	5.519E-11	2.184E-11	8.767E-12	8.767E-12
-4.58017E-01	2.713E-10	2.55CE-10	1.428E-10	5.984E-11	2.292E-11	8.820E-12	8.820E-12
-2.81605E-01	3.006E-10	2.951E-10	1.616E-10	6.735E-11	2.531E-11	9.597E-12	9.597E-12
-9.50125E-02	3.392E-10	3.257E-10	1.890E-10	7.949E-11	2.999E-11	1.144E-11	1.144E-11
9.50125E-02	3.896E-10	3.867E-10	2.289E-10	9.816E-11	3.749E-11	1.445E-11	1.445E-11
2.81605E-01	4.550E-10	4.546E-10	2.873E-10	1.265E-10	4.856E-11	1.846E-11	1.846E-11
4.58017E-01	5.285E-10	5.555E-10	3.748E-10	1.720E-10	6.652E-11	2.454E-11	2.454E-11
6.17876E-01	6.423E-10	6.837E-10	5.082E-10	2.506E-10	1.011E-10	3.740E-11	3.740E-11
7.55044E-01	7.653E-10	8.481E-10	7.099E-10	3.910E-10	1.738E-10	6.947E-11	6.947E-11
8.65631E-01	8.993E-10	1.040E-09	9.977E-10	6.330E-10	3.234E-10	1.473E-10	1.473E-10
9.44575E-01	1.025E-09	1.233E-09	1.353E-09	9.975E-10	5.943E-10	3.135E-10	3.135E-10
9.89401E-01	1.112E-09	1.375E-09	1.672E-09	1.394E-09	9.489E-10	5.723E-10	5.723E-10
TOTAL	5.594E-C9	5.814E-C9	4.350E-C9	2.475E-09	1.137E-C9	5.201E-10	5.201E-10

4 PI R**2 FLUENCE AT 75.0 METERS

0.111 TU 1.108 MEV NEUTRON SOURCE

(NEUTRONS/MEV/STERADIAN/SOURCE NEUTRON)									
ENERGY GROUP (MEV)	ANGLE 1 MU=-0.1000	ANGLE 2 MU=-0.9894	ANGLE 3 MU=-0.9446	ANGLE 4 MU=-0.8656	ANGLE 5 MU=-0.7550	ANGLE 6 MU=-0.6179	ANGLE 7 MU=-0.4580	ANGLE 8 MU=-0.2816	ANGLE 9 MU=-0.0950
1.22E 01---1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01---1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00---1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00---8.19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E 00---6.36E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.07E 00---4.97E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.01E 00---4.07E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.46E 00---3.01E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.83E 00---2.46E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E 00---1.83E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.50E -01---1.11E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E -01---5.50E -01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.35E -02---1.11E -01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.83E -04---3.35E -02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.01E -04---5.83E -04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.05E -05---1.01E -04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.07E -05---2.05E -05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.06E -06---1.07E -05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.12E -06---3.06E -06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.14E -07---1.12E -06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0 ---4.14E -07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENERGY GROUP (MEV)	ANGLE 10 MU= 0.0950	ANGLE 11 MU= 0.2816	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9894	SCALAR FLUX
1.22E 01---1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01---1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00---1.39E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00---8.19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E 00---6.36E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.07E 00---4.97E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.01E 00---4.07E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.46E 00---3.01E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.35E 00---2.46E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.83E 00---2.35E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E 00---1.83E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.50E -01---1.11E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E -01---5.50E -01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.35E -02---1.11E -01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.83E -04---3.35E -02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.01E -04---5.83E -04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.05E -05---1.01E -04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.14E -07---1.12E -06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0 ---4.14E -07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

4 PI R**2 FLUENCE AT 200.0 METERS

0.111 TO 1.108 MEV NEUTRON SOURCE

(NEUTRONS/MEV/STERADIANS/SOURCE NEUTRON)									
ENERGY GROUP (MEV)	ANGLE 1 MU=1.00000	ANGLE 2 MU=-0.9446	ANGLE 3 MU=-0.8656	ANGLE 4 MU=-0.7550	ANGLE 5 MU=-0.6179	ANGLE 6 MU=-0.4580	ANGLE 7 MU=-0.2816	ANGLE 8 MU=-0.0950	ANGLE 9 MU=0.0
1.22E 01---1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01---1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00---1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00---8.19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E 00---6.36E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.07E 00---4.97E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.01E 00---4.07E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.46E 00---3.01E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.00E 00---2.46E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.82E 00---2.00E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E 00---1.82E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.50E -01---1.11E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.35E -02---1.11E -01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.83E -04---3.35E -02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.01E -04---5.83E -04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.90E -05---1.01E -04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.07E -05---2.90E -05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.06E -06---1.07E -05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.12E -06---3.06E -06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.14E -07---1.12E -06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0 ---4.14E -07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.22E 01---1.50E 01	1.522E -01	1.522E -01							
1.00E 01---1.22E 01	1.293E 00	1.293E 00							
8.19E 00---1.00E 01	1.147E 00	1.147E 00							
6.36E 00---8.19E 00	6.756E 01	6.756E 01							
4.97E 00---6.36E 00	2.853E 02	2.853E 02							
4.07E 00---4.97E 00	8.136E 02	8.136E 02							
3.01E 00---4.07E 00	2.117E 03	2.117E 03							
2.46E 00---3.01E 00	5.537E 03	5.537E 03							
2.00E 00---2.46E 00	1.187E 04	1.187E 04							
1.82E 00---2.35E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E 00---1.82E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.50E -01---1.11E 00	4.435E -02	6.576E -02	7.052E -02	9.933E -02	1.245E -01	1.835E -01	3.037E -01	1.348E 00	1.068E 00
3.35E -02---1.11E -01	5.50E -01	3.164E -01	3.164E -01	3.164E -01	4.131E -01	4.682E -01	6.245E -01	1.085E 00	3.404E 00
2.00E -05---1.00E 01	2.658E -01	1.542E 00	1.781E 00	1.772E 00	1.957E 00	2.008E 00	2.164E 00	2.352E 00	2.073E 01
1.07E -05---2.90E -05	9.124E 02	3.230E 02	3.310E 02	3.390E 02	3.469E 02	3.541E 02	3.603E 02	3.677E 02	4.041E 03
3.06E -06---1.07E -05	2.349E 03	2.396E 03	2.443E 03	2.487E 03	2.527E 03	2.561E 03	2.586E 03	2.600E 03	2.937E 04
1.12E -06---3.06E -06	6.121E 03	6.190E 03	6.426E 03	6.520E 03	6.598E 03	6.655E 03	6.688E 03	7.667E 04	7.667E 04
4.14E -07---1.12E -06	1.298E 04	1.320E 04	1.361E 04	1.379E 04	1.394E 04	1.406E 04	1.412E 04	1.622E 04	1.622E 04
0.0 ---4.14E -07	1.829E 04	1.856E 04	1.882E 04	1.907E 04	1.929E 04	1.947E 04	1.959E 04	1.966E 04	2.288E 05

4 PI R**2 FLUENCE AT 300.0 METERS

0.111 TO 1.108 MEV NEUTRON SOURCE

(NEUTRONS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=-1.0000	ANGLE 2 MU=-C. 9894	ANGLE 3 MU=-0.9446	ANGLE 4 MU=-0.8656	ANGLE 5 MU=-0.7550	ANGLE 6 MU=-0.6179	ANGLE 7 MU=-0.4580	ANGLE 8 MU=-0.2216	ANGLE 9 MU=-0.0950
1.22E 01----1.50E 01	0.0	0.0	0.3	0.0	0.0	0.3	0.0	0.0	0.0
1.00E 01----1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00----1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00----8.19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E 00----6.36E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.07E 00----4.97E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.01E 00----4.07E 00	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.46E 00----3.01E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.35E 00----2.46E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.83E 00----2.35E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E 00----1.83E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.50E 00----1.11E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E 01----5.50E 01	1.314E-01	1.319E-01	1.336E-01	1.336E-01	1.337E-01	1.339E-01	1.421E-01	1.490E-01	1.580E-01
3.25E 02----1.11E 01	1.363E 00	1.366E 00	1.377E 00	1.377E 00	1.378E 00	1.399E 00	1.429E 00	1.521E 00	1.583E 00
5.82E 04----3.35E-02	1.308E 00	1.308E 00	1.319E 00	1.319E 00	1.319E 00	1.335E 00	1.357E 00	1.387E 00	1.424E 00
1.01E 04----5.83E-04	8.241E 01	8.252E 01	8.301E 01	8.301E 01	8.319E 01	8.518E 01	8.685E 01	8.888E 01	9.127E 01
2.90E 05----1.01E-04	3.639E 02	3.644E 02	3.664E 02	3.664E 02	3.700E 02	3.752E 02	3.819E 02	3.901E 02	3.997E 02
1.07E 05----2.90E-05	1.073E 03	1.074E 03	1.080E 03	1.080E 03	1.090E 03	1.105E 03	1.124E 03	1.146E 03	1.173E 03
3.06E 06----1.07E-05	2.895E 03	2.899E 03	2.913E 03	2.913E 03	2.939E 03	2.976E 03	3.023E 03	3.081E 03	3.147E 03
1.12E 06----3.06E-06	7.779E 03	7.887E 03	7.823E 03	7.823E 03	7.889E 03	7.983E 03	8.103E 03	8.248E 03	8.416E 03
4.14E 07----1.12E-06	1.704E 04	1.705E 04	1.713E 04	1.713E 04	1.727E 04	1.746E 04	1.777E 04	1.801E 04	1.836E 04
0.0	-4.14E-07	2.485E 04	2.487E 04	2.497E 04	2.515E 04	2.541E 04	2.574E 04	2.612E 04	2.704E 04

ENERGY GROUP (MEV)	ANGLE 11 MU= 0.2816	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9894	SCALAR FLUX
1.22E 01----1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01----1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00----1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00----8.19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E 00----6.36E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.07E 00----4.97E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.01E 00----4.07E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.46E 00----3.01E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.35E 00----2.46E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.83E 00----2.35E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.50E 00----1.83E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E 01----5.50E 01	4.201E-02	4.678E-02	6.047E-02	7.422E-02	9.964E-02	1.304E-01	2.124E-01	6.805E-01
1.11E 01----5.50E 01	1.905E-01	2.423E-01	2.457E-01	2.911E-01	3.255E-01	3.879E-01	4.586E-01	6.302E-01
3.35E 02----1.11E 01	1.784E 00	1.804E 00	1.953E 00	2.026E 00	2.165E 00	2.250E 00	2.358E 00	2.415E 00
5.83E 04----3.35E 02	1.572E 00	1.631E 00	1.695E 00	1.758E 00	1.819E 00	1.873E 00	1.916E 00	1.942E 00
1.01E 04----5.83E 04	9.696E 01	1.001E 02	1.034E 02	1.061E 02	1.097E 02	1.124E 02	1.144E 02	1.156E 02
2.90E 05----1.01E 04	4.222E 02	4.345E 02	4.472E 02	4.596E 02	4.711E 02	4.809E 02	4.884E 02	4.928E 02
1.07E 05----2.90E 05	1.235E 03	1.294E 03	1.304E 03	1.338E 03	1.369E 03	1.415E 03	1.426E 03	1.545E 04
3.06E 06----1.07E 05	3.302E 03	3.386E 03	3.470E 03	3.552E 03	3.626E 03	3.737E 03	3.764E 03	4.127E 04
1.12E 06----3.06E 06	8.804E 03	9.013E 03	9.223E 03	9.424E 03	9.606E 03	9.760E 03	9.874E 03	9.940E 03
4.14E 07----1.12E 06	1.916E 04	1.938E 04	2.001E 04	2.022E 04	2.079E 04	2.132E 04	2.146E 04	2.394E 05
0.0	-4.14E-07	2.756E 04	2.810E 04	2.865E 04	2.916E 04	2.962E 04	3.000E 04	3.042E 04

4 PI Q**2 FLUENCE AT 400.0 METERS

0.111 TO 1.108 MEV NEUTRON SOURCE

(NEUTRONS/MEV/STERADIANSOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=1.0000	ANGLE 2 MU=-0.9854	ANGLE 3 MU=-0.9446	ANGLE 4 MU=-0.8656	ANGLE 5 MU=-0.7550	ANGLE 6 MU=-0.6179	ANGLE 7 MU=-0.4580	ANGLE 8 MU=-0.2816	ANGLE 9 MU=-0.0950
1.22E 01----1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01----1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00----1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00----8.19E 20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E 00----6.36E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.07E 00----4.97E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.01E 00----4.07E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.46E 00----3.01E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.35E 00----2.46E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.82E 00----2.35E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E 00----1.83E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.50E 01----1.11E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E 01----5.50E 01	9.792E-02	9.824E-02	9.959E-02	1.022E-01	1.059E-01	1.111E-01	1.178E-01	1.264E-01	1.371E-01
3.35E-02----1.11E-01	1.157E 00	1.160E 00	1.170E 00	1.189E 00	1.215E 00	1.251E 00	1.295E 00	1.349E 00	1.412E 00
5.82E-04----3.35E-02	1.162E 00	1.164E 00	1.172E 00	1.187E 00	1.208E 00	1.235E 00	1.269E 00	1.310E 00	1.356E 00
1.01E-04----5.82E-04	7.640E 01	7.651E 01	7.659E 01	7.789E 01	7.915E 01	8.081E 01	8.283E 01	8.522E 01	8.792E 01
2.90E-05----1.01E-04	3.474E 02	3.479E 02	3.500E 02	3.537E 02	3.591E 02	3.662E 02	3.747E 02	3.847E 02	3.960E 02
1.07E-05----2.90E-05	1.048E 03	1.050E 03	1.056E 03	1.082E 03	1.103E 03	1.157E 03	1.189E 03	1.226E 03	1.276E 03
3.06E-06----1.07E-05	2.905E 03	2.920E 03	2.954E 03	2.996E 03	3.050E 03	3.115E 03	3.191E 03	3.276E 03	3.364E 03
1.12E-06----3.06E-06	7.965E 03	7.975E 03	8.017E 03	8.094E 03	8.202E 03	8.344E 03	8.514E 03	8.712E 03	8.934E 03
4.14E-07----1.12E-06	1.777E 04	1.788E 04	1.805E 04	1.828E 04	1.858E 04	1.894E 04	1.937E 04	1.984E 04	2.034E 04
0.0	-4.14E-07	2.642E 04	2.645E 04	2.657E 04	2.580E 04	2.711E 04	2.751E 04	2.799E 04	2.854E 04
1.22E 01----1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01----1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00----1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00----8.19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E 00----6.36E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.07E 00----4.97E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.01E 00----4.07E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.44E 00----3.01E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.35E 00----2.44E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.83E 00----2.35E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E 00----1.33E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.50E 01----1.11E 00	2.795E-02	3.353E-02	4.135E-02	5.245E-02	6.809E-02	9.282E-02	1.372E-01	3.468E-01	5.059E-01
1.11E 01----5.50E 01	1.524E-01	1.652E-01	1.873E-01	2.095E-01	2.399E-01	3.165E-01	3.736E-01	3.807E-01	2.045E 00
3.35E 02----1.11E 01	1.471E 00	1.571E 00	1.646E 00	1.745E 00	1.830E 00	1.920E 00	1.987E 00	2.036E 00	2.075E 01
5.83E-04----3.35E-02	1.407E 00	1.462E 00	1.520E 00	1.578E 00	1.633E 00	1.681E 00	1.719E 00	1.742E 00	1.764E 01
1.01E-04----5.35E-04	9.089E 01	9.34E 01	9.734E 01	1.006E 02	1.036E 02	1.062E 02	1.095E 02	1.138E 02	1.186E 03
2.90E-05----1.01E-04	4.083E 02	4.214E 02	4.348E 02	4.480E 02	4.601E 02	4.706E 02	4.832E 02	5.108E 02	5.532E 03
1.07E-05----2.90E-05	1.225E 03	1.263E 03	1.301E 03	1.338E 03	1.373E 03	1.402E 03	1.425E 03	1.438E 03	1.532E 04
3.06E-06----1.07E-05	3.369E 03	3.466E 03	3.565E 03	3.660E 03	3.748E 03	3.823E 03	3.879E 03	3.911E 03	4.211E 04
1.12E-06----3.06E-06	9.174E 03	9.679E 03	1.015E 04	1.034E 04	1.056E 04	1.074E 04	1.095E 04	1.117E 04	1.147E 05
4.14E-07----1.12E-06	2.034E 04	2.088E 04	2.141E 04	2.192E 04	2.239E 04	2.278E 04	2.308E 04	2.325E 04	2.542E 05
0.0	-4.14E-07	2.981E 04	3.051E 04	3.120E 04	3.187E 04	3.247E 04	3.297E 04	3.334E 04	3.727E 05

4 PI R**2 FLUENCE AT 500.0 METERS

0.111 TO 1.108 MEV NEUTRON SOURCE

(NEUTRONS/MEV/STERADIANT/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=-1.0000	ANGLE 2 MU=-0.9894	ANGLE 3 MU=-0.9445	ANGLE 4 MU=-0.8656	ANGLE 5 MU=-0.7550	ANGLE 6 MU=-0.6179	ANGLE 7 MU=-0.4580	ANGLE 8 MU=-0.2816	ANGLE 9 MU=-0.0950
1.22E 01---1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01---1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00---1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00---8.19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E 00---6.36E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.07E 00---4.97E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.01E 00---4.07E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.46E 00---3.01E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.35E 00---2.46E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.83E 00---2.35E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E 00---1.83E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.50E -01---1.11E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E -01---5.50E -01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.35E -02---1.11E -01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.83E -04---3.35E -02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.01E -04---5.83E -04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.90E -05---1.01E -04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.07E -05---2.90E -05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.06E -06---1.07E -05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.12E -06---3.06E -06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.14E -07---1.12E -06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	-4.14E -07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENERGY GROUP (MEV)	ANGLE 10 MU= 0.0050	ANGLE 11 MU= C.2816	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 SCALAR FLUX MU= 0.9894	
1.22E 01---1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1.00E 01---1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8.19E 00---1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6.36E 00---8.19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4.97E 00---6.36E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4.07E 00---4.97E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3.01E 00---4.07E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2.46E 00---3.01E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2.35E 00---2.46E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1.83E 00---2.35E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1.11E 00---1.83E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5.50E -01---1.11E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1.11E -01---5.50E -01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3.35E -02---1.11E -01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5.83E -04---3.35E -02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1.01E -04---5.83E -04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2.90E -05---1.01E -04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1.07E -05---2.90E -05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3.06E -06---1.07E -05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1.12E -06---3.06E -06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4.14E -07---1.12E -06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
0.0	-4.14E -07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

4 PI R**2 FLUENCE AT 600.0 METERS

0.111 TO 1.108 MEV NEUTRON SOURCE

(NEUTRONS/MEV/STERADIANT/SOURCE NEUTRON)									
ENERGY GROUP (MEV)	ANGLE 1 MU=1.0000	ANGLE 2 MU=-0.9894	ANGLE 3 MU=-0.9446	ANGLE 4 MU=-0.8056	ANGLE 5 MU=-0.7550	ANGLE 6 MU=-0.6170	ANGLE 7 MU=-0.4580	ANGLE 8 MU=-0.2816	ANGLE 9 MU=-0.0950
1.22E 01----1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01----1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00----1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00----8.19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E 00----6.36E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.07E 00----4.97E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.01E 00----4.07E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.46E 00----3.01E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.35E 00----2.46E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.83E 00----2.35E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E 00----1.83E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.50E -01----1.11E 00	5.808E -03	5.921E -03	6.142E -03	6.482E -03	6.972E -03	7.650E -03	8.574E -03	9.820E -03	9.820E -03
1.11E -01----5.50E -01	4.364E -02	4.379E -02	4.430E -02	4.556E -02	4.726E -02	4.935E -02	5.633E -02	6.117E -02	6.117E -02
3.35E -02----1.11E -01	6.070E -01	6.138E -01	6.239E -01	6.385E -01	6.579E -01	6.819E -01	7.110E -01	7.448E -01	7.448E -01
5.83E -04----3.35E -02	6.403E -01	6.414E -01	6.450E -01	6.545E -01	6.666E -01	6.826E -01	7.021E -01	7.533E -01	7.533E -01
1.01E -04----5.83E -04	4.83E -04	4.915E -04	4.952E -04	4.952E -04	4.958E -01	4.688E -01	4.813E -01	4.960E -01	5.127E -01
2.90E -05----1.01E -04	2.079E -02	2.092E -02	2.152E -02	2.197E -02	2.197E -02	2.253E -02	2.318E -02	2.391E -02	2.391E -02
1.07E -05----2.90E -05	6.432E -02	6.442E -02	6.483E -02	6.557E -02	6.663E -02	6.802E -02	6.970E -02	7.167E -02	7.390E -02
3.06E -06----1.07E -05	1.844E -03	1.844E -03	1.855E -03	1.878E -03	1.908E -03	1.946E -03	1.993E -03	2.047E -03	2.108E -03
1.12E -06----3.06E -06	5.194E -03	5.187E -03	5.222E -03	5.282E -03	5.362E -03	5.467E -03	5.593E -03	5.614E -03	5.908E -03
4.14E -07----1.12E -06	1.186E -04	1.194E -04	1.207E -04	1.225E -04	1.248E -04	1.276E -04	1.309E -04	1.366E -04	1.420E -04
0.0	-4.14E -07	1.811E -04	1.823E -04	1.841E -04	1.865E -04	1.897E -04	1.935E -04	1.980E -04	2.029E -04
ENERGY GROUP (MEV)	ANGLE 10 MU= 0.C95C	ANGLE 11 MU= 0.2816	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9894	SCALAR FLUX
1.22E 01----1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01----1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00----1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00----8.19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E 00----6.36E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.07E 00----4.97E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.01E 00----4.07E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.46E 00----3.01E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.35E 00----2.46E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.83E 00----2.35E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E 00----1.83E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.50E -01----1.11E 00	1.150E -02	1.377E -02	1.686E -02	2.113E -02	2.717E -02	3.604E -02	5.032E -02	9.323E -02	1.939E -01
1.11E -01----5.50E -01	6.699E -02	7.400E -02	8.241E -02	9.228E -02	1.036E -01	1.162E -01	1.293E -01	1.419E -01	8.935E -01
3.35E -02----1.11E -01	7.828E -01	8.712E -01	9.185E -01	9.645E -01	1.007E -00	1.040E -00	1.061E -00	9.876E -00	9.876E -00
5.82F -04----3.35E -02	7.180E -01	8.453E -01	8.775E -01	9.081E -01	9.348E -01	9.553E -01	9.675E -01	9.783E -01	9.783E -01
1.01E -04----5.83E -04	5.311E -01	5.707E -01	5.908E -01	6.093E -01	6.253E -01	6.375E -01	6.446E -01	6.646E -01	6.646E -01
2.00E -05----1.01E -04	2.472E -02	2.558E -02	2.644E -02	2.731E -02	2.811E -02	2.879E -02	2.931E -02	3.092E -02	3.092E -02
1.07E -05----2.90E -05	7.633E -02	8.155E -02	8.412E -02	8.650E -02	8.854E -02	9.007E -02	9.097E -02	9.545E -03	9.545E -03
3.06E -06----1.07E -05	2.175E -03	2.246E -03	2.318E -03	2.388E -03	2.453E -03	2.508E -03	2.549E -03	2.573E -03	2.719E -04
1.12E -06----3.06E -06	6.089E -03	6.471E -03	6.661E -03	6.834E -03	6.980E -03	7.090E -03	7.155E -03	7.610E -04	7.610E -04
4.14E -07----1.12E -06	1.386E -04	1.428E -04	1.511E -04	1.581E -04	1.605E -04	1.616E -04	1.632E -04	1.732E -05	1.732E -05
0.0	-4.14E -07	2.084E -04	2.141E -04	2.254E -04	2.305E -04	2.347E -04	2.397E -04	2.460E -05	2.460E -05

4 PI R**2 FLUENCE AT 900.0 METERS

0.111 TO 1.108 MEV NEUTRON SOURCE

(NEUTRONS/MEV/SERADIANSOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=-1.0000	ANGLE 2 MU=-0.5894	ANGLE 3 MU=-0.9446	ANGLE 4 MU=-0.8656	ANGLE 5 MU=-0.7550	ANGLE 6 MU=-0.6179	ANGLE 7 MU=-0.4580	ANGLE 8 MU=-0.2816	ANGLE 9 MU=-0.0950
1.22E 01---1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01---1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00---1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00---8.19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E 00---6.36E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.07E 00---4.97E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.01E 00---4.07E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.46E 00---3.01E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.35E 00---2.46E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.83E 00---2.35E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E 00---1.83E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.50E -01---1.11E 00	1.189E -03	1.195E -03	1.219E -03	1.267E -03	1.339E -03	1.443E -03	1.586E -03	1.780E -03	2.041E -03
1.11E -01---5.50E -01	9.97E -03	9.980E -03	1.012E -02	1.039E -02	1.078E -02	1.122E -02	1.201E -02	1.288E -02	1.396E -02
3.35E -02---1.11E -01	1.577E -01	1.580E -01	1.595E -01	1.622E -01	1.661E -01	1.712E -01	1.776E -01	1.853E -01	1.942E -01
3.35E -04---3.35E -02	1.720E -01	1.725E -01	1.735E -01	1.759E -01	1.792E -01	1.836E -01	1.880E -01	1.954E -01	2.026E -01
1.01E -04---5.83E -04	1.225E -01	1.227E -01	1.235E -01	1.251E -01	1.274E -01	1.303E -01	1.339E -01	1.381E -01	1.429E -01
2.90E -05---1.01E -04	5.886E -01	5.935E -01	6.008E -01	6.111E -01	6.247E -01	6.411E -01	6.604E -01	6.822E -01	7.149E -01
1.07E -05---2.90E -05	1.873E -02	1.873E -02	1.895E -02	1.928E -02	1.970E -02	2.021E -02	2.081E -02	2.149E -02	2.248E -02
3.06E -06---1.07E -05	5.457E -02	5.492E -02	5.557E -02	5.650E -02	5.770E -02	5.917E -02	6.088E -02	6.282E -02	6.594E -02
1.12E -06---3.06E -06	1.561E -03	1.564E -03	1.574E -03	1.592E -03	1.618E -03	1.651E -03	1.692E -03	1.740E -03	1.794E -03
4.14E -07---1.12E -06	3.634E -03	3.640E -03	3.662E -03	3.704E -03	3.763E -03	3.839E -03	3.932E -03	4.041E -03	4.163E -03
0.0 ---4.14E -07	5.658E -03	5.666E -03	5.699E -03	5.759E -03	5.843E -03	5.951E -03	6.081E -03	6.233E -03	6.402E -03
ENERGY GROUP (MEV)	ANGLE 10 MU= 0.0950	ANGLE 11 MU= 0.2816	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9894	FLUX
1.22E 01---1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01---1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00---1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00---8.19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E 00---6.36E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.07E 00---4.97E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.01E 00---4.07E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.46E 00---3.01E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.35E 00---2.46E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.83E 00---2.35E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E 00---1.83E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.50E -01---1.11E 00	2.390E -03	2.859E -03	3.490E -03	4.348E -03	5.520E -03	7.146E -03	9.467E -03	1.383E -02	3.858E -02
1.11E -01---5.50E -01	1.227E -02	1.684E -02	1.866E -02	2.080F -02	2.35E -02	2.557E -02	2.785E -02	2.954E -02	3.013E -01
3.35E -02---1.11E -01	2.043E -01	2.154E -01	2.272E -01	2.392E -01	2.509E -01	2.613E -01	2.695E -01	2.744E -01	2.571E 00
5.83E -04---3.35E -02	2.106E -01	2.192E -01	2.230E -01	2.368E -01	2.449E -01	2.520E -01	2.574E -01	2.605E -01	2.636E 00
1.01E -04---5.83E -04	1.482E -01	1.538E -01	1.595E -01	1.652E -01	1.704E -01	1.749E -01	1.783E -01	1.803E -01	1.853E -02
2.90E -05---1.01E -04	7.061E -01	7.315E -01	7.574E -01	7.827E -01	8.060E -01	8.260E -01	8.410E -01	8.499E -01	8.828E -02
1.07E -05---2.90E -05	2.223E -02	2.301E -02	2.460E -02	2.532E -02	2.594E -02	2.640E -02	2.667E -02	2.667E -02	2.779E -03
3.06F -06---1.07E -05	6.493E -02	6.716E -02	6.944E -02	7.165E -02	7.369E -02	7.673E -02	7.942E -02	8.115E -02	8.115E -02
1.12E -06---3.06E -06	1.853E -03	1.915E -03	1.978E -03	2.039E -03	2.095E -03	2.143E -03	2.179E -03	2.200E -03	2.316E -04
4.14E -07---1.12E -06	4.297E -03	4.437E -03	4.579E -03	4.718E -03	4.844E -03	4.952E -03	5.033E -03	5.080E -03	5.369E -04
0.0 ---4.14E -07	6.588E -03	6.785E -03	6.984E -03	7.177E -03	7.353E -03	7.500E -03	7.610E -03	7.673E -03	8.237E -04

4 PI R**2 FLUENCE AT 1200.0 METERS

0.111 TO 1.108 MEV NEUTRON SOURCE

(NEUTRONS/MEV/STERADIUM/SOURCE NEUTRON)							
ENERGY GROUP (MEV)	ANGLE 1 MU=-1.0000	ANGLE 2 MU=-0.9894	ANGLE 3 MU=-0.9446	ANGLE 4 MU=-0.8656	ANGLE 5 MU=-0.7520	ANGLE 6 MU=-0.6179	ANGLE 7 MU=-0.4580
1.22E-01----1.50E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E-01----1.22E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E-00----1.00E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E-00----8.19E-00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E-00----6.36E-00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.07E-00----4.97E-00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.01E-00----4.07E-00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.46E-00----3.01E-00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.35E-00----2.46E-00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.83E-00----2.35E-00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E-00----1.83E-00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.50E-01----1.11E-00	2.157E-04	2.168E-04	2.213E-04	2.300E-04	2.434E-04	2.659E-04	2.888E-04
1.11E-01----5.50E-01	1.931E-03	1.937E-03	1.965E-03	2.017E-03	2.094E-03	2.198E-03	2.333E-03
3.35E-02----1.11E-01	3.294E-02	3.301E-02	3.332E-02	3.388E-02	3.470E-02	3.579E-02	3.713E-02
5.83E-04----3.35E-02	3.644E-02	3.656E-02	3.683E-02	3.733E-02	3.805E-02	3.859E-02	4.014E-02
1.01E-04----5.83E-04	2.638E-00	2.642E-00	2.661E-00	2.695E-00	2.745E-00	2.809E-00	2.887E-00
2.90E-05----1.01E-04	1.281E-01	1.283E-01	1.292E-01	1.303E-01	1.330E-01	1.360E-01	1.397E-01
1.07E-05----2.90E-05	4.074E-01	4.080E-01	4.108E-01	4.159E-01	4.231E-01	4.325E-01	4.439E-01
3.06E-06----1.07E-05	1.207E-02	1.209E-02	1.217E-02	1.232E-02	1.253E-02	1.280E-02	1.313E-02
1.12E-06----3.06E-06	3.488E-02	3.494E-02	3.517E-02	3.558E-02	3.617E-02	3.655E-02	3.788E-02
4.14E-07----1.12E-06	8.184E-02	8.196E-02	8.249E-02	8.345E-02	8.481E-02	8.658E-02	8.873E-02
0.0	-4.14E-07	1.285E-03	1.295E-03	1.302E-03	1.328E-03	1.354E-03	1.419E-03
ENERGY GROUP (MEV)	ANGLE 10 MU= 0.0950	ANGLE 11 MU= 0.2816	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7520	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446
1.22E-01----1.50E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E-01----1.22E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E-00----1.00E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E-00----8.19E-00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E-00----6.36E-00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.07E-00----4.97E-00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.01E-00----4.07E-00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.46E-00----3.01E-00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.35E-00----2.46E-00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.83E-00----2.35E-00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E-00----1.83E-00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.50E-01----1.11E-00	4.359E-04	5.209E-04	6.346E-04	7.871E-04	9.911E-04	1.663E-03	2.620E-03
1.11E-01----5.50E-01	2.966E-03	3.268E-03	3.619E-03	4.016E-03	4.446E-03	4.882E-03	5.271E-03
3.35E-02----1.11E-01	4.273E-02	4.505E-02	4.751E-02	5.000E-02	5.239E-02	5.512E-02	5.715E-02
5.83E-04----3.35E-02	4.476E-02	4.658E-02	4.845E-02	5.030E-02	5.202E-02	5.350E-02	5.662E-02
1.01E-04----5.83E-04	3.198E-00	3.320E-00	3.445E-00	3.567E-00	3.679E-00	3.776E-00	3.848E-00
2.90E-05----1.01E-04	1.540E-01	1.596E-01	1.653E-01	1.708E-01	1.759E-01	1.803E-01	1.836E-01
1.07E-05----2.90E-05	4.890E-01	5.065E-01	5.243E-01	5.417E-01	5.576E-01	5.712E-01	5.815E-01
3.06E-06----1.07E-05	1.444E-02	1.494E-02	1.546E-02	1.596E-02	1.641E-02	1.680E-02	1.710E-02
1.12E-06----3.06E-06	4.156E-02	4.297E-02	4.441E-02	4.581E-02	4.709E-02	4.819E-02	4.900E-02
4.14E-07----1.12E-06	9.717E-02	1.004E-03	1.037E-03	1.069E-03	1.098E-03	1.123E-03	1.142E-03
0.0	-4.14E-07	1.503E-03	1.549E-03	1.595E-03	1.641E-03	1.682E-03	1.742E-03

ENERGY GROUP (MEV)	ANGLE 1 MU=-1.0000	ANGLE 2 MU=-0.9894	ANGLE 3 MU=-0.9446	ANGLE 4 MU=-0.8656	ANGLE 5 MU=-0.7520	ANGLE 6 MU=-0.6179	ANGLE 7 MU=-0.4580	ANGLE 8 MU=-0.3816	ANGLE 9 MU=-0.0950
1.22E-01----1.50E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E-01----1.22E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E-00----1.00E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E-00----8.19E-00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E-00----6.36E-00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.07E-00----4.97E-00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.01E-00----4.07E-00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.46E-00----3.01E-00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.35E-00----2.46E-00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.83E-00----2.35E-00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E-00----1.83E-00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.50E-01----1.11E-00	4.359E-04	5.209E-04	6.346E-04	7.871E-04	9.911E-04	1.663E-03	2.620E-03	3.877E-03	6.877E-03
1.11E-01----5.50E-01	2.966E-03	3.268E-03	3.619E-03	4.016E-03	4.446E-03	4.882E-03	5.271E-03	5.536E-03	3.890E-02
3.35E-02----1.11E-01	4.273E-02	4.505E-02	4.751E-02	5.000E-02	5.239E-02	5.512E-02	5.715E-02	5.974E-02	5.599E-01
5.83E-04----3.35E-02	4.476E-02	4.658E-02	4.845E-02	5.030E-02	5.202E-02	5.350E-02	5.528E-02	5.599E-01	3.999E-01
1.01E-04----5.83E-04	3.198E-00	3.320E-00	3.445E-00	3.567E-00	3.679E-00	3.776E-00	3.848E-00	3.891E-00	3.999E-01
2.90E-05----1.01E-04	1.540E-01	1.596E-01	1.653E-01	1.708E-01	1.759E-01	1.803E-01	1.836E-01	1.855E-01	1.925E-02
1.07E-05----2.90E-05	4.890E-01	5.065E-01	5.243E-01	5.417E-01	5.576E-01	5.712E-01	5.815E-01	5.874E-01	6.111E-02
3.06E-06----1.07E-05	1.444E-02	1.494E-02	1.546E-02	1.596E-02	1.641E-02	1.680E-02	1.710E-02	1.747E-02	1.804E-03
1.12E-06----3.06E-06	4.156E-02	4.297E-02	4.441E-02	4.581E-02	4.709E-02	4.819E-02	4.900E-02	4.948E-02	5.192E-03
4.14E-07----1.12E-06	9.717E-02	1.004E-03	1.037E-03	1.069E-03	1.098E-03	1.123E-03	1.142E-03	1.152E-03	1.214E-04
0.0	-4.14E-07	1.503E-03	1.549E-03	1.595E-03	1.641E-03	1.682E-03	1.742E-03	1.756E-03	1.879E-04

4 PI R**2 FLUENCE AT 1500.0 METERS

0.111 TO 1.108 MEV NEUTRON SOURCE

(NEUTRONS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=-1.0000	ANGLE 2 MU=0.9894	ANGLE 3 MU=0.9446	ANGLE 4 MU=-0.8856	ANGLE 5 MU=-0.7550	ANGLE 6 MU=-0.6179	ANGLE 7 MU=-0.4580	ANGLE 8 MU=-0.2816	ANGLE 9 MU=0.0950
1.22E 01----1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01----1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00----1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00----8.19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E 00----6.36E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.07E 00----4.97E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.01E 00----4.07E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.46E 00----3.01E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.35E 00----2.46E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.83E 00----2.35E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E 00----1.83E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.50E-01----1.11E 00	3.653E-05	3.671E-05	3.749E-05	3.898E-05	4.127E-05	4.454E-05	4.903E-05	5.511E-05	6.323E-05
1.11E-01----5.50E-01	3.433E-04	3.445E-04	3.495E-04	3.588E-04	3.755E-04	3.911E-04	4.152E-04	4.455E-04	4.827E-04
3.35E-02----1.11E-01	6.122E-03	6.122E-03	6.170E-03	6.296E-03	6.494E-03	6.651E-03	6.902E-03	7.204E-03	7.551E-03
5.83E-04----3.35E-02	6.840E-03	6.852E-03	6.904E-03	6.998E-03	7.134E-03	7.311E-03	7.527E-03	7.783E-03	8.073E-03
1.01E-04----5.83E-04	4.984E-01	4.993E-01	5.029E-01	5.094E-01	5.188E-01	5.310E-01	5.459E-01	5.634E-01	5.832E-01
2.50E-05----1.01E-04	2.433E-00	2.434E-00	2.454E-00	2.485E-00	2.528E-00	2.655E-00	2.787E-00	2.919E-00	3.051E-00
1.07E-05----2.90E-05	7.774E-00	7.786E-00	7.840E-00	7.937E-00	8.076E-00	8.256E-00	8.476E-00	8.734E-00	9.024E-00
3.06E-CJ----1.07E-05	2.317E-01	2.320E-01	2.336E-01	2.364E-01	2.405E-01	2.458E-01	2.522E-01	2.597E-01	2.662E-01
1.12E-06----3.06E-06	6.721E-01	6.732E-01	6.776E-01	6.857E-01	6.973E-01	7.123E-01	7.305E-01	7.518E-01	7.758E-01
4.14E-07----1.12E-06	1.583E-02	1.586E-02	1.596E-02	1.615E-02	1.641E-02	1.676E-02	1.718E-02	1.767E-02	1.823E-02
0.0 ----4.14E-07	2.497E-02	2.501E-02	2.515E-02	2.544E-02	2.582E-02	2.632E-02	2.692E-02	2.761E-02	2.839E-02
ENERGY GROUP (MEV)	ANGLE 10 MU= 0.C950	ANGLE 11 MU= 0.2816	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9894	SCALAR FLUX
1.22E 01----1.50E 01	0.0	C.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0
1.00E 01----1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00----1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00----8.19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E 00----6.36E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.07E 00----4.97E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.01E 00----4.07E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.46E 00----3.01E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.35E 00----2.46E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.83E 00----2.35E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E 00----1.83E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.50E-01----5.00E-01	7.404E-05	8.843E-05	9.084E-04	1.076E-04	1.330E-04	1.665E-04	2.098E-04	2.634E-04	3.27E-04
1.11E-01----5.50E-01	5.276E-04	5.809E-04	6.425E-04	7.118E-04	7.859E-04	8.597E-03	1.023E-02	1.023E-02	1.152E-03
3.35E-02----1.11E-01	7.944E-03	8.374E-03	8.828E-03	9.287E-03	9.725E-03	1.011E-02	1.041E-02	1.041E-02	1.050E-01
5.62E-04----3.35E-02	8.393E-03	8.733E-03	9.084E-03	9.428E-03	9.747E-03	1.002E-02	1.023E-02	1.023E-02	1.050E-01
1.01E-04----5.83E-04	6.049E-01	6.279E-01	6.514E-01	6.744E-01	6.956E-01	7.137E-01	7.273E-01	7.353E-01	7.560E-01
2.90E-05----1.01E-04	2.929E-00	3.05E-00	3.143E-00	3.249E-00	3.345E-00	3.490E-00	3.490E-00	3.526E-00	3.660E-01
1.07E-05----2.90E-05	9.342E-00	9.677E-00	1.002E-01	1.035E-01	1.065E-01	1.091E-01	1.111E-01	1.122E-01	1.167E-02
3.06E-06----1.07E-05	2.774E-01	2.911E-01	2.770E-01	2.929E-01	3.066E-01	3.229E-01	3.338E-01	3.466E-02	3.660E-01
1.12E-06----3.06E-06	8.019E-01	8.294E-01	8.574E-01	8.845E-01	9.032E-01	9.303E-01	9.552E-01	1.002E-03	1.022E-03
4.14E-07----1.12E-06	1.883E-02	1.96E-02	2.011E-02	2.073E-02	2.120E-02	2.178E-02	2.214E-02	2.235E-02	2.352E-03
0.0 ----4.14E-07	2.925E-02	3.015E-02	3.107E-02	3.195E-02	3.275E-02	3.343E-02	3.421E-02	3.466E-02	3.656E-03

4 PI R**2 FLUENCE AT 1800.0 METERS

0.111 TO 1.108 MEV NEUTRON SOURCE

(NEUTRONS/NEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=-1.0000	ANGLE 2 MU=-0.9894	ANGLE 3 MU=-0.9446	ANGLE 4 MU=-0.8656	ANGLE 5 MU=-0.7550	ANGLE 6 MU=-0.6179	ANGLE 7 MU=-0.4580	ANGLE 8 MU=-0.2816	ANGLE 9 MU=-0.0950
1.22E 01---1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01---1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00---1.00E 01	-	-	-	-	-	-	-	-	-
6.36E 00---8.19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E 00---6.36E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.07E 00---4.97E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.04E 00---4.07E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.46E 00---3.04E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.35E 00---2.46E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.81E 00---2.35E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E 00---1.81E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.35E-02---1.11E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.924E-06	5.924E-06	5.924E-06	5.924E-06	5.924E-06	5.924E-06	5.924E-06	5.924E-06	5.924E-06	5.924E-06
5.766E-05	5.766E-05	5.766E-05	5.766E-05	5.766E-05	5.766E-05	5.766E-05	5.766E-05	5.766E-05	5.766E-05
1.057E-03	1.057E-03	1.057E-03	1.057E-03	1.057E-03	1.057E-03	1.057E-03	1.057E-03	1.057E-03	1.057E-03
8.720E-02	8.720E-02	8.720E-02	8.720E-02	8.720E-02	8.720E-02	8.720E-02	8.720E-02	8.720E-02	8.720E-02
4.770E-01	4.770E-01	4.770E-01	4.770E-01	4.770E-01	4.770E-01	4.770E-01	4.770E-01	4.770E-01	4.770E-01
1.366E 00	1.366E 00	1.366E 00	1.366E 00	1.366E 00	1.366E 00	1.366E 00	1.366E 00	1.366E 00	1.366E 00
4.083E 00	4.083E 00	4.083E 00	4.083E 00	4.083E 00	4.083E 00	4.083E 00	4.083E 00	4.083E 00	4.083E 00
1.188E 01	1.188E 01	1.188E 01	1.188E 01	1.188E 01	1.188E 01	1.188E 01	1.188E 01	1.188E 01	1.188E 01
2.890E 01	2.890E 01	2.890E 01	2.890E 01	2.890E 01	2.890E 01	2.890E 01	2.890E 01	2.890E 01	2.890E 01
4.434E 01	4.434E 01	4.434E 01	4.434E 01	4.434E 01	4.434E 01	4.434E 01	4.434E 01	4.434E 01	4.434E 01
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.22E 01---1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01---1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00---1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00---8.19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E 00---6.36E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.04E 00---4.97E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.46E 00---4.07E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.35E 00---3.04E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.82E 00---2.35E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E 00---1.82E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.50E-01---1.11E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.203E-05	1.203E-05	1.203E-05	1.203E-05	1.203E-05	1.203E-05	1.203E-05	1.203E-05	1.203E-05	1.203E-05
1.11E-01---5.50E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.864E-05	8.864E-05	8.864E-05	8.864E-05	8.864E-05	8.864E-05	8.864E-05	8.864E-05	8.864E-05	8.864E-05
1.373E-03	1.373E-03	1.373E-03	1.373E-03	1.373E-03	1.373E-03	1.373E-03	1.373E-03	1.373E-03	1.373E-03
1.459E-03	1.459E-03	1.459E-03	1.459E-03	1.459E-03	1.459E-03	1.459E-03	1.459E-03	1.459E-03	1.459E-03
1.057E-01	1.057E-01	1.057E-01	1.057E-01	1.057E-01	1.057E-01	1.057E-01	1.057E-01	1.057E-01	1.057E-01
5.134E-01	5.134E-01	5.134E-01	5.134E-01	5.134E-01	5.134E-01	5.134E-01	5.134E-01	5.134E-01	5.134E-01
1.642E 00	1.642E 00	1.642E 00	1.642E 00	1.642E 00	1.642E 00	1.642E 00	1.642E 00	1.642E 00	1.642E 00
5.064E 00	5.064E 00	5.064E 00	5.064E 00	5.064E 00	5.064E 00	5.064E 00	5.064E 00	5.064E 00	5.064E 00
1.418E 01	1.418E 01	1.418E 01	1.418E 01	1.418E 01	1.418E 01	1.418E 01	1.418E 01	1.418E 01	1.418E 01
3.337E 01	3.337E 01	3.337E 01	3.337E 01	3.337E 01	3.337E 01	3.337E 01	3.337E 01	3.337E 01	3.337E 01
5.197E 01	5.197E 01	5.197E 01	5.197E 01	5.197E 01	5.197E 01	5.197E 01	5.197E 01	5.197E 01	5.197E 01
5.358E 01	5.358E 01	5.358E 01	5.358E 01	5.358E 01	5.358E 01	5.358E 01	5.358E 01	5.358E 01	5.358E 01
5.197E 01	5.197E 01	5.197E 01	5.197E 01	5.197E 01	5.197E 01	5.197E 01	5.197E 01	5.197E 01	5.197E 01
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

4 PI R**2 FLUENCE AT 75.0 METERS

0.111 TO 1.108 MEV NEUTRON SOURCE

(GAMMAS/MEV/STERADIANS/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
8.00E 00---1.00E 01	MU= 1.0000	MU=-0.9894	MU=-0.9446	MU=-0.8655	MU=-0.7550	MU=-0.6179	MU=-0.4580	MU=-0.2816	MU=-0.0950
6.50E 00---8.00E 00	3.444E-06	3.451E-06	3.475E-06	3.521E-06	3.590E-06	3.600E-06	3.790E-06	3.919E-06	4.059E-06
5.00E 00---6.50E 00	7.145E-06	7.158E-06	7.208E-06	7.304E-06	7.446E-06	7.611E-06	7.858E-06	8.123E-06	8.433E-06
4.00E 00---5.00E 00	8.072E-05	8.087E-05	8.141E-05	8.240E-05	8.403E-05	8.607E-05	8.857E-05	9.149E-05	9.477E-05
3.00E 00---4.00E 00	2.187E-05	2.192E-05	2.208E-05	2.240E-05	2.287E-05	2.338E-05	2.423E-05	2.510E-05	2.699E-05
2.50E 00---3.00E 00	9.426E-06	9.452E-06	9.500E-06	9.550E-06	9.604E-06	9.683E-06	9.832E-06	1.004E-05	1.066E-05
2.00E 00---2.50E 00	1.062E-05	1.065E-05	1.076E-05	1.097E-05	1.129E-05	1.170E-05	1.220E-05	1.280E-05	1.377E-05
1.66E 00---2.00E 00	1.336E-05	1.336E-05	1.239E-05	1.252E-05	1.276E-05	1.312E-05	1.359E-05	1.417E-05	1.511E-05
1.33E 00---1.66E 00	1.934E-05								
1.00E 00---1.33E 00	1.929E-05								
8.00E 01---1.00E 00	2.609E-05	2.615E-05	2.660E-05	2.687E-05	2.756E-05	2.866E-05	2.954E-05	3.078E-05	3.216E-05
6.00E 01---8.00E-01	3.731E-05	3.739E-05	3.772E-05	3.834E-05	3.925E-05	4.042E-05	4.183E-05	4.342E-05	4.577E-05
4.00E 01---6.00E-01	4.446E-04	4.446E-04	4.469E-04	4.490E-04	4.547E-04	4.548E-04	4.632E-04	4.672E-04	4.789E-04
2.00E 01---4.00E-01	1.732E-04	1.730E-04	1.750E-04	1.775E-04	1.800E-04	1.830E-04	1.864E-04	1.894E-04	1.922E-04
2.00E 01---3.00E-01	3.310E-04	3.310E-04	3.355E-04	3.324E-04	3.337E-04	3.354E-04	3.373E-04	3.396E-04	3.422E-04
1.00E 01---2.00E-01	8.592E-04	8.596E-04	8.600E-04	8.638E-04	8.678E-04	8.782E-04	8.854E-04	8.916E-04	8.979E-04
5.00E 02---1.00E-01	2.053E-03	2.054E-03	2.056E-03	2.061E-03	2.068E-03	2.076E-03	2.087E-03	2.098E-03	2.110E-03
2.00E 02---5.00E-02	5.566E-04	5.567E-04	5.576E-04	5.584E-04	5.584E-04	5.606E-04	5.620E-04	5.634E-04	5.648E-04
8.00E 00---1.00E 01	0.0950	0.2816	0.4580	0.6179	0.7550	0.8655	0.9446	0.994	1.0446
6.50E 00---8.00E 00	4.224F-06	4.303E-06	4.533E-06	4.722F-06	4.870E-06	5.004E-06	5.092E-06	5.217E-05	5.354E-05
5.00E 00---6.50E 00	9.057E-06	9.057E-06	9.445E-06	9.772E-06	1.008E-05	1.035E-05	1.053E-05	1.074E-05	1.092E-05
4.00E 00---5.00E 00	1.022E-04	2.833E-05	2.998E-05	3.057E-05	3.158E-05	3.249E-05	3.310E-05	3.390E-05	3.470E-05
3.00E 00---4.00E 00	5.000E-05	4.807E-05	5.132E-05	5.374E-05	5.542E-05	5.622E-05	5.791E-05	5.979E-05	6.135E-05
2.50E 00---3.00E 00	1.339E-05	1.339E-05	1.411E-05	1.480E-05	1.543E-05	1.599E-05	1.635E-05	1.679E-05	1.727E-05
2.00E 00---2.50E 00	1.422E-05	1.500E-05	1.579E-05	1.654E-05	1.722E-05	1.783E-05	1.823E-05	1.882E-05	1.941E-05
1.66E 00---2.00E 00	1.645E-05	1.734E-05	1.833E-05	1.906E-05	1.983E-05	2.051E-05	2.095E-05	2.097E-05	2.097E-05
1.23E 00---1.66E 00	2.063E-05	2.160E-05	2.260E-05	2.346E-05	2.423E-05	2.476E-05	2.476E-05	2.476E-05	2.476E-05
1.00E 00---1.33E 00	2.525E-05	2.722E-05	2.886E-05	2.990E-05	3.080E-05	3.139E-05	3.143E-05	3.143E-05	3.143E-05
8.00E 01---1.00E 01	3.264E-05	3.517E-05	3.666E-05	3.803E-05	3.926E-05	4.033E-05	4.103E-05	4.172E-05	4.241E-05
6.00E 01---8.00E 01	4.702E-05	4.890E-05	5.072E-05	5.237E-05	5.383E-05	5.510E-05	5.591E-05	5.636E-05	5.696E-05
4.00E 01---6.00E 01	1.663E-04	1.704E-04	1.733E-04	1.779E-04	1.811E-04	1.837E-04	1.854E-04	1.871E-04	1.890E-04
3.00E 01---4.00E 01	1.935E-04	1.971E-04	2.005E-04	2.035E-04	2.062E-04	2.094E-04	2.098E-04	2.104E-04	2.110E-04
2.00E 01---3.00E 01	3.6449E-04	3.4766E-04	3.533E-04	3.528E-04	3.550E-04	3.580E-04	3.582E-04	3.582E-04	3.582E-04
1.00E 01---2.00E 01	9.01E-04	9.076E-04	9.148E-04	9.212E-04	9.269E-04	9.317E-04	9.354E-04	9.354E-04	9.354E-04
5.00E 02---1.00E 01	2.135E-03	2.122E-03	2.147E-03	2.157E-03	2.167E-03	2.180E-03	2.181E-03	2.181E-03	2.181E-03
2.00E 02---5.00E 02	5.663E-04	5.648E-04	5.676E-04	5.699E-04	5.707E-04	5.713E-04	5.715E-04	5.715E-04	5.715E-04

4 PI R**2 FLUENCE AT 150.0 METERS

0.111 TO 1.108 MEV NEUTRON SOURCE

(GAMMAS/MEV/STERADIAN/SOURCE NEUTRONS)

ENERGY GROUP (MEV)	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
8.00E 00---1.00E 01	MU= 0.9894 MU=-0.9446	MU= -0.7550 MU=-0.8655	MU= 0.7550 MU= 0.9555	MU= -0.6179 MU= 0.1435	MU= -0.4580 MU= 1.2055	MU= -0.2816 MU= 1.2805	MU= -0.0950 MU= 1.3705	MU= -0.0950 MU= 1.3705	MU= -0.0950 MU= 1.3705
6.50E 00---8.00E 00	1.322E-05 1.315E-05	1.034E-05 2.112E-05	1.034E-05 2.147E-05	1.034E-05 2.191E-05	1.034E-05 2.272E-05	1.034E-05 2.372E-05	1.034E-05 2.499E-05	1.034E-05 2.654E-05	1.034E-05 2.830E-05
5.00E 00---6.50E 00	2.115E-05 2.095E-05	2.404E-04 2.432E-04	2.404E-04 2.447E-04	2.404E-04 2.570E-04	2.404E-04 2.570E-04	2.404E-04 2.683E-04	2.404E-04 2.919E-04	2.404E-04 2.990E-04	2.404E-04 3.198E-04
4.00E 00---5.00E 00	6.437E-05 6.415E-05	6.522E-05 6.689E-05	6.522E-05 6.689E-05	6.522E-05 6.689E-05	6.522E-05 6.936E-05	6.522E-05 7.267E-05	6.522E-05 7.687E-05	6.522E-05 8.201E-05	6.522E-05 8.811E-05
3.00E 00---4.00E 00	1.161E-04 1.157E-04	1.175E-04 1.203E-04	1.175E-04 1.245E-04	1.175E-04 1.301E-04	1.175E-04 1.372E-04	1.175E-04 1.458E-04	1.175E-04 1.561E-04	1.175E-04 1.642E-04	1.175E-04 1.723E-04
2.50E 00---3.00E 00	2.631E-05 2.631E-05	2.694E-05 2.794E-05	2.694E-05 2.943E-05	2.694E-05 3.144E-05	2.694E-05 3.232E-05	2.694E-05 3.550E-05	2.694E-05 3.826E-05	2.694E-05 4.144E-05	2.694E-05 4.622E-05
2.00E 00---2.50E 00	2.981E-05 2.981E-05	3.506E-05 3.506E-05	3.506E-05 3.570E-05	3.506E-05 3.696E-05	3.506E-05 3.886E-05	3.506E-05 4.144E-05	3.506E-05 4.475E-05	3.506E-05 4.855E-05	3.506E-05 5.370E-05
1.66E 00---2.00E 00	3.490E-05 3.490E-05	4.228E-05 4.209E-05	4.228E-05 4.305E-05	4.228E-05 4.457E-05	4.228E-05 4.684E-05	4.228E-05 4.991E-05	4.228E-05 5.384E-05	4.228E-05 5.869E-05	4.228E-05 6.445E-05
1.33E 00---1.66E 00	4.209E-05 4.000E-05	5.524E-05 5.549E-05	5.524E-05 5.651E-05	5.524E-05 5.850E-05	5.524E-05 6.146E-05	5.524E-05 6.544E-05	5.524E-05 7.049E-05	5.524E-05 7.666E-05	5.524E-05 8.304E-05
8.00E -01---1.00E 00	7.561E-05 7.561E-05	7.526E-05 7.735E-05	7.526E-05 7.735E-05	7.526E-05 8.006E-05	7.526E-05 8.406E-05	7.526E-05 8.937E-05	7.526E-05 9.603E-05	7.526E-05 1.040E-04	7.526E-05 1.132E-04
6.00E -01---8.00E-01	1.103E-04 1.103E-04	1.128E-04 1.128E-04	1.128E-04 1.166E-04	1.128E-04 1.221E-04	1.128E-04 1.294E-04	1.128E-04 1.384E-04	1.128E-04 1.491E-04	1.128E-04 1.611E-04	1.128E-04 1.622E-04
4.00E -01---6.00E-01	4.650E-04 4.638E-04	4.699E-04 4.735E-04	4.699E-04 5.004E-04	4.699E-04 5.304E-04	4.699E-04 5.908E-04	4.699E-04 6.234E-04	4.699E-04 6.532E-04	4.699E-04 6.833E-04	4.699E-04 7.132E-04
3.00E -01---4.00E-01	5.749E-04 5.735E-04	5.804E-04 5.804E-04	5.804E-04 5.804E-04	5.804E-04 5.804E-04	5.804E-04 6.053E-04	5.804E-04 6.234E-04	5.804E-04 6.443E-04	5.804E-04 6.675E-04	5.804E-04 6.922E-04
2.00E -01---3.00E-01	1.181E-03 1.181E-03	1.184E-03 1.184E-03	1.184E-03 1.189E-03	1.184E-03 1.199E-03	1.184E-03 1.197E-03	1.184E-03 1.207E-03	1.184E-03 1.219E-03	1.184E-03 1.234E-03	1.184E-03 1.254E-03
1.00E -01---2.00E-01	3.078E-03 3.076E-03	3.088E-03 3.088E-03	3.088E-03 3.106E-03	3.088E-03 3.133E-03	3.088E-03 3.166E-03	3.088E-03 3.253E-03	3.088E-03 3.305E-03	3.088E-03 3.395E-03	3.088E-03 3.736E-03
5.00F -02---1.00E-01	7.503E-03 7.503E-03	7.508E-03 7.508E-03	7.508E-03 7.558E-03	7.508E-03 7.665E-03	7.508E-03 7.665E-03	7.508E-03 7.665E-03	7.508E-03 7.816E-03	7.508E-03 7.900E-03	7.508E-03 7.900E-03
2.00E -02---5.00E-02	2.070E-03 2.070E-03	2.070E-03 2.070E-03	2.070E-03 2.070E-03	2.070E-03 2.070E-03	2.070E-03 2.070E-03	2.070E-03 2.082E-03	2.070E-03 2.089E-03	2.070E-03 2.107E-03	2.070E-03 2.119E-03
ENERGY GROUP (MEV)	ANGLE 10	ANGLE 11	ANGLE 12	ANGLE 13	ANGLE 14	ANGLE 15	ANGLE 16	ANGLE 17	SCALAR FLUX
8.00E 00---1.00E 01	MU= 0.2816 MU= 0.0950	MU= 0.4580 MU= 1.591E-05	MU= 0.6179 MU= 1.719E-05	MU= 0.8656 MU= 1.852E-05	MU= 0.9446 MU= 1.982E-05	MU= 0.9446 MU= 2.100E-05	MU= 0.9446 MU= 2.191E-05	MU= 0.9446 MU= 2.242E-05	MU= 0.9894 MU= 1.872E-04
6.50E 00---6.50E 00	3.4227E-04 3.4227E-04	3.688E-05 3.688E-05	3.973E-04 3.973E-04	4.271E-04 4.271E-04	4.559E-04 4.559E-04	4.821E-04 4.821E-04	5.022E-04 5.135E-04	5.135E-04 5.135E-04	5.135E-04 5.346E-03
4.00E 00---5.00E 00	1.033E-04 1.033E-04	1.120E-04 1.120E-04	1.120E-04 1.120E-04	1.120E-04 1.302E-04	1.383E-04 1.383E-04	1.446E-04 1.446E-04	1.446E-04 1.481E-04	1.446E-04 1.481E-04	1.446E-04 1.514E-03
3.00E 00---4.00E 00	1.680E-04 1.680E-04	1.813E-04 1.813E-04	1.813E-04 1.958E-04	2.110E-04 2.110E-04	2.256E-04 2.256E-04	2.389E-04 2.389E-04	2.494E-04 2.494E-04	2.494E-04 2.549E-04	2.494E-04 2.613E-03
2.00E 00---3.00E 00	5.082E-05 5.082E-05	5.656E-05 5.656E-05	5.656E-05 6.325E-05	6.836E-05 6.836E-05	7.368E-05 7.368E-05	7.773E-05 7.773E-05	7.997E-05 7.997E-05	7.997E-05 8.197E-05	7.997E-05 8.355E-04
1.66E 00---2.00E 00	5.130E-05 5.955E-05	5.130E-05 5.955E-05	5.130E-05 5.955E-05	5.130E-05 6.033E-05	5.130E-05 6.730E-05	5.130E-05 9.356E-05	5.130E-05 8.827E-05	5.130E-05 1.009E-04	5.130E-05 7.587E-04
1.33E 00---1.66E 00	7.122E-05 7.122E-05	7.868E-05 7.868E-05	7.868E-05 8.674E-05	8.674E-05 9.501E-05	8.674E-05 1.028E-04	8.674E-05 1.098E-04	8.674E-05 1.195E-04	8.674E-05 1.178E-04	8.674E-05 9.034E-04
1.00E 00---1.33E 00	9.230E-05 9.230E-05	1.014F-04 1.031E-04	1.014F-04 1.467E-04	1.014F-04 1.582E-04	1.014F-04 1.687E-04	1.014F-04 1.777E-04	1.014F-04 1.843E-04	1.014F-04 1.878E-04	1.014F-04 1.547E-03
6.00E 00---8.00E 01	1.238E-04 1.238E-04	1.351E-04 1.348E-04	1.351E-04 1.744E-04	1.351E-04 2.022E-04	1.351E-04 2.215E-04	1.351E-04 2.377E-04	1.351E-04 2.449E-04	1.351E-04 2.487E-04	1.351E-04 2.160E-03
4.00E 00---6.00E 01	6.105E-04 6.105E-04	6.396E-04 6.396E-04	6.396E-04 6.687E-04	6.396E-04 6.966E-04	6.396E-04 7.209E-04	6.396E-04 7.416E-04	6.396E-04 7.563E-04	6.396E-04 7.6443E-04	6.396E-04 7.569E-03
3.00E 00---4.00E 01	7.176E-04 7.176E-04	7.430E-04 7.430E-04	7.430E-04 7.676E-04	7.430E-04 7.901E-04	7.430E-04 8.109E-04	7.430E-04 8.278E-04	7.430E-04 8.398E-04	7.430E-04 8.465E-04	7.430E-04 8.881E-03
2.00E 00---3.00E 01	1.270E-03 1.270E-03	1.290E-03 1.290E-03	1.290E-03 1.310E-03	1.290E-03 1.331E-03	1.290E-03 1.349E-03	1.290E-03 1.376E-03	1.290E-03 1.365E-03	1.290E-03 1.363E-03	1.290E-03 1.591E-02
1.00E 00---2.00E 01	3.412E-03 3.412E-03	3.466E-03 3.466E-03	3.466E-03 3.518E-03	3.466E-03 3.601E-03	3.466E-03 3.663E-03	3.466E-03 3.663E-03	3.466E-03 3.663E-03	3.466E-03 3.663E-03	3.466E-03 4.190E-02
5.00E 00---6.00E 01	7.995E-03 7.995E-03	8.087E-03 8.087E-03	8.087E-03 8.266E-03	8.087E-03 8.477E-03	8.087E-03 8.335E-03	8.087E-03 8.391E-03	8.087E-03 8.439E-03	8.087E-03 8.463E-03	8.087E-03 1.000E-01
2.00E 00---5.00E 02	2.128E-03 2.128E-03	2.139E-03 2.139E-03	2.139E-03 2.149E-03	2.139E-03 2.159E-03	2.139E-03 2.167E-03	2.139E-03 2.174E-03	2.139E-03 2.178E-03	2.139E-03 2.181E-03	2.139E-03 2.665E-02

4 PI R**2 FLUENCE AT 250.0 METERS

0.111 TO 1.108 MEV NEUTRON SOURCE

(GAMMAS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=-1.0000	ANGLE 2 MU=-0.9894	ANGLE 3 MU=-0.9446	ANGLE 4 MU=-0.8656	ANGLE 5 MU=-0.7550	ANGLE 6 MU=-0.6179	ANGLE 7 MU=-0.4580	ANGLE 8 MU=-0.02816	ANGLE 9 MU=-0.0531C
8.00E 00---1.00E 01	1.745E-05	1.752E-05	1.762E-05	1.841E-05	1.930E-05	2.052E-05	2.213E-05	2.419E-05	2.679E-05
6.50E 00---8.00E 00	3.624E-05	3.640E-05	3.602E-05	3.824E-05	4.008E-05	4.260E-05	4.591E-05	5.015E-05	5.544E-05
5.00E 00---6.50E 00	4.118E-04	4.135E-04	4.204E-04	4.339E-04	4.542E-04	4.820E-04	5.184E-04	5.649E-04	6.233E-04
4.00E 00---5.00E 00	1.087E-04	1.093E-04	1.144E-04	1.156E-04	1.218E-04	1.302E-04	1.412E-04	1.555E-04	1.731E-04
3.00E 00---4.00E 00	1.979E-04	1.987E-04	2.023E-04	2.092E-04	2.196E-04	2.337E-04	2.522E-04	2.759E-04	3.057E-04
2.50E 00---3.00E 00	4.247E-05	4.278E-05	4.602E-05	4.667E-05	5.016E-05	5.530E-05	6.217E-05	7.122E-05	8.297E-05
2.00E 00---2.50E 00	4.865E-05	4.896E-05	5.227E-05	5.289E-05	5.692E-05	6.263E-05	6.877E-05	7.037E-05	8.058E-05
1.66E 00---2.00E 00	5.748E-05	5.782E-05	5.928E-05	6.224E-05	6.687E-05	7.350E-05	8.932E-05	8.254E-05	9.447E-05
1.33E 00---1.66E 00	6.977E-05	7.019E-05	7.176E-05	7.555E-05	8.117E-05	8.932E-05	1.002E-04	1.146E-04	1.330E-04
1.00E 00---1.33E 00	9.206E-05	9.266E-05	9.517E-05	1.002E-04	1.079E-04	1.187E-04	1.333E-04	1.521E-04	1.759E-04
8.00E-01---1.00E 00	1.271E-04	1.280E-04	1.318E-04	1.392E-04	1.503E-04	1.695E-04	1.855E-04	2.109E-04	2.424E-04
6.00E-01---8.00E-01	1.910E-04	1.916E-04	1.967E-04	2.079E-04	2.244E-04	2.456E-04	2.752E-04	3.531E-04	3.737E-04
4.00E-01---6.00E-01	8.930E-04	8.968E-04	9.120E-04	9.414E-04	9.845E-04	1.041E-03	1.110E-03	1.192E-03	1.286E-03
3.00E-01---4.00E-01	1.150E-03	1.155E-03	1.176E-03	1.215E-03	1.268E-03	1.334E-03	1.410E-03	1.492E-03	1.579E-03
2.00E-01---3.00E-01	2.645E-03	2.647E-03	2.654E-03	2.667E-03	2.688E-03	2.716E-03	2.752E-03	2.854E-03	2.954E-03
1.00E-01---2.00E-01	6.939E-03	6.974E-03	6.979E-03	7.042E-03	7.130E-03	7.245E-03	7.384E-03	7.546E-03	7.728E-03
5.00E-02---1.00E-01	1.748E-02	1.750E-02	1.756E-02	1.768E-02	1.784E-02	1.806E-02	1.831E-02	1.861E-02	1.894E-02
2.00E-02---5.00E-02	4.927E-03	4.929E-03	4.937E-03	4.952E-03	4.972E-03	4.999E-03	5.030E-03	5.066E-03	5.104E-03
ENERGY GROUP (MEV)	ANGLE 10 MU= 0.0950	ANGLE 11 MU= 0.2816	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9894	SCALAR FLUX
8.00E 00---1.00E 01	3.002E-05	3.395E-05	3.861E-05	4.393E-05	4.977E-05	5.544E-05	6.035E-05	6.348E-05	6.702E-04
6.50E 00---8.00E 00	6.210E-05	7.016E-05	7.968E-05	9.052E-05	1.023E-04	1.140E-04	1.240E-04	1.307E-04	1.307E-04
5.00E 00---6.50E 00	6.953E-04	7.828E-04	8.588E-04	1.003E-03	1.130E-03	1.255E-03	1.361E-03	1.436E-03	1.566E-03
4.00E 00---5.00E 00	1.953E-04	2.226E-04	2.551E-04	2.925E-04	3.330E-04	3.732E-04	4.077E-04	4.290E-04	4.634E-03
3.00E 00---4.00E 00	3.427E-04	3.876E-04	4.07E-04	5.013E-04	5.665E-04	6.855E-04	7.202E-04	4.582E-03	4.582E-03
2.50E 00---3.00E 00	9.784E-05	1.165E-04	1.290E-04	1.652E-04	1.936E-04	2.217E-04	2.455E-04	2.604E-04	3.368E-03
2.00E 00---2.50E 00	1.105E-04	1.313E-04	1.562E-04	1.848E-04	2.159E-04	2.451E-04	2.699E-04	2.855E-04	3.533E-03
1.00E 00---2.00E 00	1.566E-04	1.730E-04	1.811E-04	2.130E-04	2.464E-04	2.783E-04	3.016E-04	3.207E-04	3.774E-03
1.33E 00---1.66E 00	1.559E-04	1.838E-04	2.163E-04	2.522E-04	2.892E-04	3.237E-04	3.515E-04	3.685E-04	4.113E-03
1.00E 00---1.33E 00	2.051E-04	2.397E-04	2.788E-04	3.208E-04	3.622E-04	4.006E-04	4.303E-04	4.476E-04	4.720E-03
8.00E-01---1.00E 00	2.799E-04	3.230E-04	3.700E-04	4.185E-04	4.650E-04	5.058E-04	5.368E-04	5.544E-04	5.619E-03
6.00E-01---8.00E-01	4.017E-04	4.551E-04	5.15E-04	6.155E-04	6.652E-04	7.158E-04	7.691E-04	8.084E-04	8.501E-03
4.00E-01---6.00E-01	1.387E-03	1.494E-03	1.602E-03	1.708E-03	1.805E-03	1.889E-03	1.953E-03	1.990E-03	1.722E-02
3.00E-01---4.00E-01	1.668E-03	1.758E-03	1.847E-03	1.933E-03	2.012E-03	2.080E-03	2.131E-03	2.161E-03	2.052E-02
2.00E-01---3.00E-01	2.920E-03	2.994E-03	3.074E-03	3.156E-03	3.234E-03	3.303E-03	3.356E-03	3.388E-03	3.682E-02
1.00E-01---2.00E-01	7.927E-03	8.135E-03	8.346E-03	8.551E-03	8.738E-03	8.896E-03	9.014E-03	9.085E-03	9.914E-02
5.00E-02---1.00E-01	1.928E-02	2.000E-02	2.034E-02	2.065E-02	2.090E-02	2.109E-02	2.116E-02	2.411E-01	2.441E-02
2.00E-02---5.00E-02	5.145E-03	5.187E-03	5.227E-03	5.265E-03	5.298E-03	5.325E-03	5.345E-03	5.355E-03	6.448E-02

4 PI R**2 FLUENCE AT 300.0 METERS

0.111 TO 1.108 MEV NEUTRON SOURCE

(GAMMAS/MEV/STERADIANSOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=-1.0000	ANGLE 2 MU=-0.9894	ANGLE 3 MU=0.9446	ANGLE 4 MU=-0.8656	ANGLE 5 MU=-0.7550	ANGLE 6 MU=-0.6179	ANGLE 7 MU=-0.4580	ANGLE 8 MU=-0.2816	ANGLE 9 MU=-0.0950
8.00E 00---1.00E 01	1.920E-05	1.929E-05	1.966E-05	2.038E-05	2.148E-05	2.299E-05	2.502E-05	2.767E-05	3.108E-05
6.50E 00---8.00E 00	3.988E-05	4.007E-05	4.084E-05	4.235E-05	4.461E-05	4.775E-05	5.191E-05	5.437E-05	5.735E-05
5.00E 00---6.50E 00	4.537E-04	4.558E-04	4.642E-04	4.809E-04	5.059E-04	5.404E-04	5.861E-04	6.458E-04	7.224E-04
4.00E 00---5.00E 00	1.190E-04	1.196E-04	1.224E-04	1.276E-04	1.354E-04	1.458E-04	1.597E-04	1.778E-04	2.013E-04
3.00E 00---4.00E 00	2.174E-04	2.185E-04	2.229E-04	2.316E-04	2.444E-04	2.620E-04	2.853E-04	3.550E-04	3.58E-04
2.50E 00---3.00E 00	4.561E-05	4.600E-05	4.756E-05	5.062E-05	5.521E-05	6.164E-05	7.040E-05	8.220E-05	9.796E-05
2.00E 00---2.50E 00	5.270E-05	5.307E-05	5.461E-05	5.777E-05	6.270E-05	6.983E-05	7.979E-05	9.323E-05	1.111E-04
1.66E 00---2.00E 00	6.265E-05	6.304E-05	6.469E-05	6.817E-05	7.319E-05	8.214E-05	9.384E-05	1.307E-04	1.307E-04
1.33E 00---1.66E 00	7.627E-05	7.674E-05	7.875E-05	8.298E-05	8.986E-05	9.866E-05	1.001E-04	1.144E-04	1.592E-04
1.00E 00---1.33E 00	1.006E-04	1.013E-04	1.043E-04	1.105E-04	1.202E-04	1.342E-04	1.535E-04	1.792E-04	2.126E-04
8.00E-01---1.00E 00	1.389E-04	1.401E-04	1.450E-04	1.546E-04	1.690E-04	1.891E-04	2.161E-04	2.515E-04	2.965E-04
6.00E-01---8.00E-01	2.091E-04	2.110E-04	2.187E-04	2.337E-04	2.559E-04	2.862E-04	3.260E-04	4.388E-04	5.766E-04
4.00E-01---6.00E-01	1.045E-03	1.050E-03	1.071E-03	1.112E-03	1.172E-03	1.251E-03	1.351E-03	1.470E-03	1.606E-03
3.00E-01---4.00E-01	1.379E-03	1.371E-03	1.410E-03	1.469E-03	1.550E-03	1.649E-03	1.761E-03	2.009E-03	2.009E-03
2.00E-01---3.00E-01	3.347E-03	3.349E-03	3.358E-03	3.375E-03	3.401E-03	3.437E-03	3.486E-03	3.627E-03	3.627E-03
1.00E-01---2.00E-01	8.812E-03	8.824E-03	8.871E-03	8.960E-03	9.088E-03	9.253E-03	9.456E-03	9.964E-03	9.964E-03
5.00E-02---1.00E-01	2.258E-02	2.261E-02	2.270E-02	2.312E-02	2.343E-02	2.382E-02	2.476E-02	2.476E-02	2.476E-02
2.00E-02---5.00E-02	6.428E-03	6.431E-03	6.443E-03	6.465E-03	6.496E-03	6.535E-03	6.582E-03	6.636E-03	6.695E-03
ENERGY GROUP (MEV)	ANGLE 10 MU= 0.0950	ANGLE 11 MU= 0.2815	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9894	SCALAR FLUX
8.00E 00---1.00E 01	3.545E-05	4.774E-05	5.86E-05	6.509E-05	7.470E-05	8.337E-05	8.817E-05	9.28E-04	9.28E-04
6.50E 00---8.00E 00	8.455E-05	9.842E-05	1.150E-04	1.338E-04	1.533E-04	1.709E-04	1.827E-04	1.917E-03	1.917E-03
5.00E 00---6.50E 00	8.196E-04	9.414E-04	1.091E-03	1.269E-03	1.469E-03	1.677E-03	1.863E-03	1.988E-03	1.988E-03
4.00E 00---5.00E 00	2.316E-04	2.699E-04	3.177E-04	3.751E-04	4.405E-04	5.089E-04	5.704E-04	6.113E-04	6.253E-04
3.00E 00---4.00E 00	4.681E-04	5.457E-04	6.381E-04	7.422E-04	8.499E-04	9.459E-04	10.459E-04	1.010E-03	5.619E-03
2.50E 00---3.00E 00	1.188E-04	1.459E-04	1.802E-04	2.219E-04	2.695E-04	3.188E-04	3.624E-04	3.908E-04	1.762E-03
2.00E 00---2.50E 00	1.347E-04	1.650E-04	2.031E-04	2.488E-04	2.999E-04	3.518E-04	3.968E-04	4.258E-04	1.976E-03
1.66E 00---2.00E 00	1.581E-04	1.931E-04	2.365E-04	2.874E-04	3.432E-04	3.984E-04	4.452E-04	4.78E-04	2.286E-03
1.23E 00---1.66E 00	1.920E-04	2.334E-04	2.836E-04	3.411E-04	4.025E-04	4.615E-04	5.103E-04	5.605E-04	2.724E-03
1.00E 00---1.33E 00	2.550E-04	3.070E-04	3.678E-04	4.350E-04	5.037E-04	5.671E-04	6.178E-04	6.484E-04	3.508E-03
8.00E-01---1.00E 00	3.520E-04	4.174E-04	4.906E-04	5.676E-04	6.426E-04	7.091E-04	7.604E-04	8.667E-04	4.667E-03
6.00E-01---8.00E-01	5.118E-04	5.931E-04	6.789E-04	7.642E-04	8.435E-04	9.111E-04	9.620E-04	9.916E-04	6.512E-03
4.00E-01---6.00E-01	9.144E-03	1.756E-03	2.075E-03	2.233E-03	2.382E-03	2.512E-03	2.613E-03	2.673E-03	2.183E-02
3.00E-01---4.00E-01	2.139E-03	2.269E-03	2.400E-03	2.529E-03	2.649E-03	2.755E-03	2.836E-03	2.884E-03	2.625E-02
2.00E-01---3.00E-01	3.723E-03	3.833E-03	3.954E-03	4.080E-03	4.203E-03	4.312E-03	4.397E-03	4.484E-03	4.710E-02
1.00E-01---2.00E-01	1.026E-02	1.058E-02	1.090E-02	1.121E-02	1.151E-02	1.176E-02	1.194E-02	1.205E-02	1.284E-01
5.00E-02---1.00E-01	2.529E-02	2.584E-02	2.640E-02	2.693E-02	2.741E-02	2.781E-02	2.811E-02	2.828E-02	3.162E-01
2.00E-02---5.00E-02	6.757E-03	6.821E-03	6.883E-03	6.941E-03	6.993E-03	7.036E-03	7.067E-03	7.085E-03	8.465E-02

4 PI R**2 FLUENCE AT 400.0 METERS

0.111 TO 1.108 MEV NEUTRON SOURCE

(GAMMAS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
8.00E 00----1.00E 01	MU=-0.9894	MU=-0.9446	MU=-0.8656	MU=-0.7550	MU=-0.6179	MU=-0.4580	MU=-0.2816	MU=-0.0950	MU=-3.37E-05
6.50E 00----8.00E 00	1.914E-05	1.925E-05	1.968E-05	2.053E-05	2.180E-05	2.360E-05	2.604E-05	2.934E-05	6.989E-05
5.00E 00----6.50E 00	3.972E-05	3.995E-05	4.086E-05	4.265E-05	4.531E-05	4.902E-05	5.404E-05	6.081E-05	6.081E-05
4.00E 00----5.00E 00	4.528E-04	4.553E-04	4.653E-04	4.849E-04	5.142E-04	5.550E-04	5.942E-04	6.401E-04	7.191E-04
3.00E 00----4.00E 00	1.167E-04	1.213E-04	1.280E-04	1.375E-04	1.407E-04	1.500E-04	1.666E-04	1.891E-04	2.197E-04
2.50E 00----3.00E 00	2.156E-04	2.170E-04	2.225E-04	2.331E-04	2.484E-04	2.693E-04	2.975E-04	3.354E-04	3.865E-04
2.00E 00----2.50E 00	4.348E-05	4.398E-05	4.599E-05	4.989E-05	5.536E-05	6.309E-05	6.907E-05	8.907E-05	1.05E-04
1.66E 00----2.00E 00	5.169E-05	5.206E-05	5.266E-05	5.702E-05	6.272E-05	7.136E-05	7.399E-05	8.166E-05	1.23E-04
1.33E 00----1.66E 00	6.266E-05	6.293E-05	6.430E-05	6.763E-05	7.385E-05	8.403E-05	9.216E-05	1.205E-04	1.501E-04
1.00E 00----1.33E 00	7.674E-05	7.705E-05	7.866E-05	8.270E-05	9.040E-05	1.031E-04	1.1220E-04	1.485E-04	1.851E-04
8.00E 00----1.00E 00	1.002E-04	1.002E-04	1.041E-04	1.110E-04	1.227E-04	1.407E-04	1.666E-04	2.028E-04	2.555E-04
6.00E 00----8.00E-01	1.368E-04	1.388E-04	1.449E-04	1.574E-04	1.763E-04	2.029E-04	2.402E-04	2.919E-04	3.621E-04
4.00E-01----6.00E-01	2.086E-04	2.112E-04	2.225E-04	2.435E-04	2.742E-04	3.168E-04	3.752E-04	4.539E-04	5.531E-04
3.00E-01----4.00E-01	1.186E-03	1.194E-03	1.223E-03	1.288E-03	1.371E-03	1.493E-03	1.651E-03	1.843E-03	2.055E-03
2.00E-01----3.00E-01	1.606E-03	1.626E-03	1.676E-03	1.779E-03	1.920E-03	2.090E-03	2.281E-03	2.482E-03	2.686E-03
1.00E-01----2.00E-01	4.444E-03	4.444E-03	4.458E-03	4.478E-03	4.509E-03	4.554E-03	4.617E-03	4.704E-03	4.822E-03
5.00E-02----1.00E-01	3.121E-02	3.124E-02	3.143E-02	3.169E-02	3.221E-02	3.248E-02	3.263E-02	3.405E-02	1.365E-02
2.00E-02----5.00E-02	9.042E-03	9.042E-03	9.067E-03	9.104E-03	9.156E-03	9.224E-03	9.304E-03	9.398E-03	9.501E-03
ENERGY GROUP (MEV)	ANGLE 11	ANGLE 12	ANGLE 13	ANGLE 14	ANGLE 15	ANGLE 16	ANGLE 17	SCALAR FLUX	
8.00E 00----1.00E 01	MU= 0.0950	MU= 0.2816	MU= 0.4580	MU= 0.6179	MU= 0.7550	MU= 0.8656	MU= 0.9446	MU= 0.9894	
6.50E 00----8.00E 00	4.791E-05	4.745E-05	5.825E-05	7.203E-05	8.921E-05	1.090E-04	1.287E-04	1.432E-04	6.055E-04
5.00E 00----6.50E 00	8.206E-05	8.332E-05	1.199E-04	1.478E-04	2.225E-04	2.625E-04	2.917E-04	3.446E-04	
4.00E 00----5.00E 00	2.615E-04	3.179E-04	3.934E-04	4.925E-04	6.171E-04	7.610E-04	9.036E-04	1.070E-03	4.069E-03
3.00E 00----4.00E 00	4.552E-04	5.469E-04	6.683E-04	8.255E-04	1.020E-03	1.246E-03	1.456E-03	1.611E-03	6.912E-03
2.50E 00----3.00E 00	1.408E-04	1.831E-04	2.414E-04	4.165E-04	5.270E-04	6.332E-04	7.077E-04	8.414E-04	2.414E-04
2.00E 00----2.50E 00	1.609E-04	2.050E-04	2.747E-04	3.609E-04	4.653E-04	5.804E-04	6.877E-04	7.612E-04	2.109E-03
1.66E 00----2.00E 00	1.910E-04	2.475E-04	3.233E-04	4.200E-04	5.340E-04	6.546E-04	7.631E-04	8.353E-04	3.366E-03
1.33E 00----1.66E 00	2.353E-04	3.127E-04	3.035E-04	4.271E-04	5.026E-04	6.271E-04	7.534E-04	8.377E-04	
1.00E 00----1.33E 00	3.198E-04	4.081E-04	5.182E-04	6.464E-04	7.833E-04	9.142E-04	1.021E-03	1.088E-03	4.815E-03
8.00E-01----1.00E 00	4.540E-04	5.662E-04	7.017E-04	8.467E-04	9.915E-04	1.122E-03	1.224E-03	1.285E-03	6.044E-03
6.00E-01----8.00E-01	6.814E-04	8.255E-04	9.802E-04	1.136E-03	1.281E-03	1.406E-03	1.501E-03	1.558E-03	3.928E-03
4.00E-01----6.00E-01	2.311E-03	2.572E-03	2.840E-03	3.107E-03	3.362E-03	3.593E-03	3.778E-03	3.893E-03	2.882E-02
3.00E-01----6.00E-01	2.891E-03	3.097E-03	3.308E-03	3.533E-03	3.733E-03	3.923E-03	4.075E-03	4.167E-03	3.233E-02
2.00E-01----3.00E-01	4.972E-03	5.153E-03	5.360E-03	5.582E-03	5.804E-03	6.007E-03	6.169E-03	6.268E-03	6.343E-02
1.00E-01----2.00E-01	1.415E-02	1.469E-02	1.525E-02	1.585E-02	1.635E-02	1.681E-02	1.717E-02	1.738E-02	1.774E-01
5.00E-02----1.00E-01	3.584E-02	3.683E-02	3.783E-02	3.970E-02	4.046E-02	4.103E-02	4.136E-02	4.483E-01	
2.00E-02----5.00E-02	9.610E-03	9.723E-03	9.835E-03	9.941E-03	1.011E-02	1.021E-02	1.041E-02	1.071E-02	1.204E-01

4 PI R**2 FLUENCE AT 500.0 METERS

0.111 TO 1.108 MEV NEUTRON SOURCE

(GAMMAS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
8.00E 00---1.00E 01	MU= 0.9854	MU= 0.9446	MU= 0.8656	MU= 0.7550	MU= 0.6179	MU= 0.4580	MU= 0.2816	MU= 0.0950	MU= -0.038E-05
6.50E 00---8.00E 00	1.610E-05	1.620E-05	1.662E-05	1.74E-05	1.863E-05	2.032E-05	2.266E-05	2.589E-05	3.038E-05
5.00E 00---6.50E 00	3.333E-05	3.356E-05	3.447E-05	3.621E-05	3.875E-05	4.225E-05	4.705E-05	5.365E-05	6.285E-05
4.00E 00---5.00E 00	9.609E-04	3.834E-04	3.932E-04	4.121E-04	4.398E-04	4.782E-04	5.308E-04	6.031E-04	7.031E-04
3.00E 00---4.00E 00	1.795E-04	1.810E-04	1.855E-04	1.980E-04	1.981E-04	1.300E-04	1.454E-04	1.672E-04	1.985E-04
2.50E 00---3.00E 00	3.480E-05	3.539E-05	3.767E-05	4.174E-05	4.724E-05	2.326E-04	2.592E-04	2.962E-04	3.483E-04
2.00E 00---2.50E 00	4.373E-05	4.396E-05	4.512E-05	4.788E-05	5.294E-05	6.131E-05	7.401E-05	9.246E-05	1.192E-04
1.66E 00---2.00E 00	5.486E-05	5.479E-05	5.500E-05	5.677E-05	6.195E-05	7.202E-05	8.790E-05	1.107E-04	1.431E-04
1.33E 00---1.66E 00	6.770E-05	6.755E-05	6.760E-05	6.967E-05	7.610E-05	8.893E-05	1.091E-04	1.380E-04	1.789E-04
1.00E 00---1.33E 00	8.668E-05	8.647E-05	8.863E-05	9.428E-05	1.054E-04	1.238E-04	1.516E-04	1.918E-04	2.497E-04
8.00E-01---1.00E 00	1.131E-01	1.149E-04	1.222E-04	1.358E-04	1.555E-04	1.835E-04	2.238E-04	2.832E-04	3.695E-04
6.00E-01---8.00E-01	1.736E-04	1.770E-04	1.905E-04	2.149E-04	2.487E-04	2.955E-04	3.629E-04	4.599E-04	5.933E-04
4.00E-01---6.00E-01	1.148E-03	1.156E-03	1.189E-03	1.256E-03	1.361E-03	1.511E-03	1.710E-03	1.958E-03	2.247E-03
3.00E-01---4.00E-01	1.593E-03	1.611E-03	1.689F-03	1.831E-03	2.025E-03	2.260E-03	2.518E-03	2.782E-03	3.041E-03
2.00E-01---3.00E-01	5.020E-03	5.032E-03	5.051E-03	5.077E-03	5.117E-03	5.178E-03	5.277E-03	5.408E-03	5.640E-03
1.00E-01---2.00E-01	1.333E-02	1.345E-02	1.363E-02	1.373E-02	1.423E-02	1.466E-02	1.516E-02	1.575E-02	1.625E-02
5.00E-02---1.00E-01	3.648E-02	4.653E-02	3.712E-02	3.766E-02	3.838E-02	3.925E-02	4.028E-02	4.146E-02	4.186E-02
2.00E-02---5.00E-02	1.073E-02	1.074E-02	1.376E-02	1.081E-02	1.088E-02	1.097E-02	1.108E-02	1.121E-02	1.135E-02
ENERGY GROUP (MEV)	ANGLE 10	ANGLE 11	ANGLE 12	ANGLE 13	ANGLE 14	ANGLE 15	ANGLE 16	ANGLE 17	SCALAR FLUX
8.00E 00---1.00E 01	MU= 0.0950	MU= 0.2816	MU= 0.4580	MU= 0.6179	MU= 0.7550	MU= 0.8656	MU= 0.9446	MU= 0.9894	MU= 0.257E-04
6.50E 00---8.00E 00	4.553E-05	5.667E-05	5.809E-05	5.577E-05	9.992E-05	1.307E-04	1.646E-04	1.921E-04	2.83E-03
5.00E 00---6.50E 00	9.571E-05	9.378E-05	1.035E-04	1.305E-03	1.680E-03	2.038E-04	2.678E-04	3.885E-04	4.078E-03
4.00E 00---5.00E 00	3.071E-04	3.433E-04	3.981E-04	5.277E-04	7.068E-04	9.357E-04	1.185E-03	1.838E-03	2.922E-03
3.00E 00---4.00E 00	4.215E-04	5.244E-04	6.693E-04	8.722E-04	1.446E-03	1.488E-03	1.854E-03	2.140E-03	2.150E-03
2.50E 00---3.00E 00	1.373E-04	1.881E-04	2.637E-04	3.731E-04	5.237E-04	7.099E-04	9.036E-04	1.049E-03	2.796E-03
2.00E 00---2.50E 00	1.584E-04	2.170E-04	3.037E-04	4.266E-04	5.894E-04	7.819E-04	9.739E-04	1.113E-03	3.141E-03
1.66E 00---2.00E 00	1.904E-04	2.606E-04	5.034E-04	3.628E-04	6.807E-04	8.799E-04	1.099E-03	1.200E-03	3.638E-03
1.33E 00---1.66E 00	2.384E-04	3.255E-04	6.101E-04	4.484E-04	6.101E-04	8.033E-04	1.191E-03	1.513E-03	4.339E-03
1.00E 00---1.33E 00	3.332E-04	4.504E-04	7.953E-04	1.005E-03	1.210E-03	1.381E-03	1.947E-03	5.592E-03	5.592E-03
8.00E-01---1.00E 00	4.897E-04	6.468E-04	8.372E-04	1.049E-03	1.264E-03	1.459E-03	1.612E-03	1.703E-03	7.430E-03
6.00E-01---8.00E-01	7.644E-04	9.662E-04	1.185E-03	1.405E-03	1.610E-03	1.786E-03	1.922E-03	2.035E-03	2.035E-03
4.00E-01---6.00E-01	2.568E-04	2.908E-03	3.254E-03	3.599E-03	3.935E-03	4.248E-03	4.510E-03	4.678E-03	5.205E-02
3.00E-01---4.00E-01	3.293E-03	3.546E-03	3.810E-03	4.068E-03	4.371E-03	4.637E-03	4.852E-03	4.985E-03	4.005E-02
2.00E-01---3.00E-01	5.593E-03	5.826E-03	6.099E-03	6.399E-03	6.705E-03	6.990E-03	7.222E-03	7.367E-03	7.197E-02
1.00E-01---2.00E-01	1.642E-02	1.714E-02	1.791E-02	1.944E-02	2.010E-02	2.061E-02	2.092E-02	2.094E-02	2.054E-01
5.00E-02---1.00E-01	4.275E-02	4.412E-02	4.554E-02	4.693E-02	4.821E-02	4.932E-02	5.016E-02	5.352E-02	1.441E-01
2.00E-02---5.00E-02	1.150E-02	1.166E-02	1.182E-02	1.197E-02	1.210E-02	1.221E-02	1.229E-02	1.234E-02	1.441E-01

4 PI R**2 FLUENCE AT 600.0 METERS

0.111 TO 1.108 MEV NEUTRON SOURCE

(GAMMAS/MEV/STERADIANSOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=-1.0000	ANGLE 2 MU=-0.9894	ANGLE 3 MU=-0.9446	ANGLE 4 MU=-0.8956	ANGLE 5 MU=-0.7550	ANGLE 6 MU=-0.6179	ANGLE 7 MU=-0.4580	ANGLE 8 MU=-0.2816	ANGLE 9 MU=-0.0950
8.00E 00---1.00E 01	1.212E-05	1.221E-05	1.257E-05	1.325E-05	1.425E-05	1.533E-05	1.756E-05	2.418E-05	
6.50E 00---8.00E 00	2.496E-05	2.518E-05	2.602E-05	2.755E-05	2.969E-05	3.255E-05	3.647E-05	4.201E-05	4.999E-05
5.00E 00---6.50E 00	2.886E-04	2.974E-04	3.137E-04	3.368E-04	3.681E-04	4.112E-04	4.619E-04	5.583E-04	
4.00E 00---5.00E 00	6.225E-05	6.965E-05	7.472E-05	8.273E-05	9.157E-05	1.011E-04	1.130E-04	1.308E-04	1.583E-04
3.00E 00---4.00E 00	1.326E-04	1.404E-04	1.494E-04	1.599E-04	1.699E-04	1.798E-04	1.891E-04	2.120E-04	2.775E-04
2.50E 00---3.00E 00	2.507E-05	2.758E-05	3.166E-05	3.653E-05	4.252E-05	5.102E-05	6.427E-05	8.516E-05	
2.00E 00---2.50E 00	3.396E-05	3.401E-05	3.447E-05	3.607E-05	3.968E-05	4.698E-05	5.825E-05	7.492E-05	9.946E-05
1.66E 00---2.00E 00	4.512E-05	4.528E-05	4.312E-05	4.255E-05	4.533E-05	5.473E-05	6.800E-05	9.077E-05	1.209E-04
1.33E 00---1.66E 00	5.630E-05	5.548E-05	5.324E-05	5.216E-05	5.636E-05	6.800E-05	8.728E-05	1.145E-04	1.532E-04
1.00E 00---1.33E 00	6.801E-05	6.813E-05	6.837E-05	7.151E-05	8.043E-05	9.721E-05	1.232E-04	1.614E-04	2.188E-04
8.00E-01---1.00E 00	8.257E-05	8.446E-05	9.195E-05	1.053E-04	1.235E-04	1.486E-04	1.856E-04	2.440E-04	3.353E-04
6.00E-01---8.00E-01	1.301E-04	1.261E-04	1.453E-04	1.707E-04	2.018E-04	2.470E-04	3.120E-04	4.159E-04	5.672E-04
4.00E-01---6.00E-01	1.014E-03	1.045E-03	1.111E-03	1.218E-03	1.378E-03	1.597E-03	1.875E-03	2.046E-03	
3.00E-01---4.00E-01	1.419E-03	1.441E-03	1.533E-03	1.702E-03	1.922E-03	2.212E-03	2.513E-03	2.813E-03	3.095E-03
2.00E-01---3.00E-01	5.110E-03	5.122E-03	5.123E-03	5.124E-03	5.125E-03	5.125E-03	5.125E-03	5.125E-03	5.437E-03
1.00E-01---2.00E-01	1.356E-02	1.359E-02	1.370E-02	1.389E-02	1.618E-02	1.455E-02	1.502E-02	1.559E-02	1.625E-02
5.00E-02---1.00E-01	3.823E-02	3.846E-02	3.890E-02	3.952E-02	4.034E-02	4.135E-02	4.254E-02	4.391E-02	
2.00E-02---5.00E-02	1.137E-02	1.140E-02	1.146E-02	1.154E-02	1.165E-02	1.177E-02	1.192E-02	1.209E-02	
ENERGY GROUP (MEV)	ANGLE 11 MU= 0.2816	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9894	SCALAR FLUX	
8.00E 00---1.00E 01	3.818E-05	6.056E-05	6.954E-05	9.772E-05	1.374E-04	1.859E-04	2.292E-04	3.805E-04	
6.50E 00---8.00E 00	6.156E-05	1.038E-05	1.412E-04	1.985E-04	2.778E-04	3.743E-04	4.599E-04	1.185E-03	
5.00E 00---6.50E 00	8.824E-04	8.625E-04	1.128E-02	1.523E-03	2.103E-03	2.906E-03	3.874E-03	4.274E-02	
4.00E 00---5.00E 00	1.995E-04	2.606E-04	3.522E-04	4.931E-04	7.070E-04	1.009E-03	1.372E-03	1.684E-03	4.071E-03
3.00E 00---4.00E 00	3.441E-04	4.416E-04	5.867E-04	8.052E-04	1.127F-03	1.567E-03	2.032E-03	2.518E-03	6.636E-03
2.50E 00---3.00E 00	1.178E-04	1.690E-04	2.507E-04	3.797E-04	5.725E-04	8.317E-04	1.122E-03	1.355E-03	2.905E-03
2.00E 00---2.50E 00	1.371E-04	1.971E-04	2.932E-04	4.410E-04	6.512E-04	9.178E-04	1.201E-03	1.418E-03	3.268E-03
1.66E 00---2.00E 00	1.668E-04	3.568E-04	5.289E-04	7.595E-04	1.033E-03	1.304E-03	1.502E-03	1.789E-03	
1.33E 00---1.66E 00	2.127E-04	3.070E-04	4.508E-04	6.519E-04	9.032E-04	1.179E-03	1.434E-03	1.608E-03	4.521E-03
1.00E 00---1.33E 00	3.072E-04	4.402E-04	6.269E-04	8.648E-04	1.134E-03	1.403E-03	1.627E-03	1.768E-03	5.827E-03
8.00E 00---1.00E 00	4.707E-04	6.566E-04	8.887E-04	1.152E-03	1.421E-03	1.664E-03	1.853E-03	1.965E-03	7.734E-03
6.00E 00---8.00E 00	7.693E-04	1.012E-03	1.277E-03	1.541E-03	1.784E-03	1.991E-03	2.152E-03	2.250E-03	1.075E-02
4.00E 00---6.00E 00	2.566E-03	2.944E-03	3.325E-03	3.702E-03	4.072E-03	4.428E-03	4.737E-03	4.944E-03	3.195E-02
3.00E 00---4.00E 00	3.360E-03	3.622E-03	3.901E-03	4.208E-03	4.532E-03	4.843E-03	5.099E-03	5.288E-03	4.063E-02
2.00E 00---3.00E 00	5.885E-03	5.631E-03	6.192E-03	6.533E-03	6.886E-03	7.220E-03	7.497E-03	7.672E-03	7.307E-02
1.00E 00---2.00E 00	1.784E-02	1.873E-02	1.964E-02	2.02E-02	2.131E-02	2.193E-02	2.231E-02	2.142E-01	
5.00E 00---6.00E 00	4.542E-02	4.705E-02	4.874E-02	5.042E-02	5.198E-02	5.334E-02	5.437E-02	5.599E-02	5.692E-01
2.00E 00---2.50E 00	1.245E-02	1.226E-02	1.264E-02	1.281E-02	1.311E-02	1.321E-02	1.327E-02	1.536E-01	

4 PI R**2 FLUENCE AT 900.0 METERS

0.111 TO 1.108 MEV NEUTRON SOURCE

(GAMMAS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=-1.0000	ANGLE 2 MU=-0.9894	ANGLE 3 MU=-0.9646	ANGLE 4 MU=-0.8656	ANGLE 5 MU=-0.7550	ANGLE 6 MU=-0.6179	ANGLE 7 MU=-0.4580	ANGLE 8 MU=-0.2816	ANGLE 9 MU=-0.0950
8.00E 00---1.00E 01	3.485E-06	6.703E-06	6.876E-06	7.497E-06	8.627E-06	9.357E-06	4.421E-06	4.881E-06	7.977E-06
6.50E 00---8.00E 00	6.500E-05	7.938E-05	8.142E-05	8.706E-05	9.519E-05	1.051E-04	1.027E-05	1.141E-05	1.326E-05
5.00E 00---6.50E 00	5.000E-05	6.000E-05	6.244E-05	6.829E-05	7.442E-05	8.152E-04	1.283E-04	1.491E-04	1.827E-04
4.00E 00---5.00E 00	4.000E-05	3.000E-05	3.229E-05	3.869E-05	4.723E-05	5.379E-05	5.791E-05	6.233E-05	5.094E-05
3.00E 00---4.00E 00	3.000E-05	2.000E-05	2.229E-05	3.000E-05	4.000E-05	5.000E-05	6.000E-05	7.193E-05	9.102E-05
2.50E 00---3.00E 00	2.500E-06	2.500E-06	6.607E-06	1.037E-05	1.309E-05	1.427E-05	1.528E-05	2.072E-05	3.079E-05
2.00E 00---2.50E 00	2.000E-05	1.338E-05	1.299E-05	1.172E-05	1.043E-05	1.072E-05	1.359E-05	1.926E-05	2.738E-05
1.66E 00---2.00E 00	1.66E-05	2.467E-05	2.294E-05	1.696E-05	1.035E-05	1.173E-05	1.469E-05	2.469E-05	4.870E-05
1.33E 00---1.66E 00	1.33E-05	3.247E-05	2.992E-05	2.106E-05	1.173E-05	1.094E-05	1.906E-05	3.229E-05	6.357E-05
1.00E 00---1.33E 00	1.00E-05	3.004E-05	2.844E-05	2.347E-05	1.926E-05	2.163E-05	3.141E-05	4.628E-05	6.546E-05
8.00E-01---1.00E 00	8.00E-05	1.538E-05	1.734E-05	2.444E-05	3.734E-05	4.519E-05	5.522E-05	6.919E-05	9.612E-05
6.00E-01---8.00E-01	6.00E-05	1.638E-05	2.215E-05	3.979E-05	6.278E-05	8.174E-05	9.959E-05	1.012E-04	1.672E-04
4.00E-01---6.00E-01	4.00E-05	5.059E-04	5.111E-04	5.245E-04	5.592E-04	6.301E-04	7.537E-04	9.411E-04	1.093E-04
3.00E-01---4.00E-01	3.00E-05	7.145E-04	7.350E-04	8.226E-04	9.888E-04	1.223E-03	1.508E-03	1.804E-03	2.292E-03
2.00E-01---3.00E-01	2.00E-05	3.810E-03	3.812E-03	3.813E-03	3.808E-03	3.792E-03	3.768E-03	3.752E-03	3.834E-03
1.00E-01---2.00E-01	1.00E-05	9.858E-03	9.916E-03	1.000E-02	1.070E-02	1.040E-02	1.071E-02	1.110E-02	1.214E-02
5.00E-02---1.00E-01	2.938E-02	2.963E-02	2.984E-02	3.022E-02	3.077E-02	3.150E-02	3.240E-02	3.348E-02	3.474E-02
2.00E-02---5.00E-02	9.010E-03	9.016E-03	9.044E-03	9.055E-03	9.167E-03	9.262E-03	9.377E-03	9.512E-03	9.663E-03
ENERGY GROUP (MEV)	ANGLE 10 MU= 0.0950	ANGLE 11 MU= C-2816	ANGLE 12 MU= 0.4550	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8856	ANGLE 16 MU= 0.9446	ANGLE 17 SCALAR	FLUX
8.00E 00---1.00E 01	1.00E-05	1.430E-05	2.095E-05	3.307E-05	5.623E-05	9.964E-05	1.720E-04	2.593E-04	3.325E-04
6.50E 00---8.00E 00	2.359E-05	4.266E-05	6.673E-05	1.126E-04	1.983E-04	3.392E-04	5.065E-04	6.661E-04	
5.00E 00---6.50E 00	2.357E-04	3.184E-04	4.545E-04	6.961E-04	1.146E-03	1.966E-03	4.844E-03		
4.00E 00---5.00E 00	7.194E-05	1.029E-04	1.519E-04	2.448E-04	4.342E-04	7.926E-04	1.356E-03	2.501E-03	6.790E-03
3.00E 00---4.00E 00	1.221E-04	1.694E-04	2.474E-04	3.722E-04	6.692E-04	1.160E-03	1.894E-03	2.671E-03	3.788E-03
2.50E 00---3.00E 00	4.771E-05	7.636E-05	1.310E-04	2.617E-04	4.531E-04	8.071E-04	1.290E-03	1.750E-03	2.262E-03
2.00E 00---2.50E 00	5.592E-05	9.065E-05	1.627E-04	3.033E-04	5.433E-04	9.058E-04	1.336E-03	1.754E-03	2.556E-03
1.66E 00---2.00E 00	6.956E-05	1.161E-04	2.142E-04	3.399E-04	6.640E-04	1.028E-03	1.433E-03	1.759E-03	2.970E-03
1.33E 00---1.66E 00	9.433E-05	1.626E-04	2.970E-04	5.155E-04	8.185E-04	1.172E-03	1.510E-03	1.766E-03	3.547E-03
1.00E 00---1.33E 00	1.567E-04	2.726E-04	4.643E-04	7.325E-04	1.049E-03	1.365E-03	1.623E-03	1.780E-03	4.568E-03
8.00E-01---1.00E 00	2.867E-04	4.717E-04	7.196E-04	1.008E-03	1.299E-03	1.546E-03	1.727E-03	1.823E-03	6.035E-03
6.00E-01---8.00E-01	5.531E-04	8.086E-04	1.082E-03	1.339E-03	1.559E-03	1.728E-03	1.817E-03	1.966E-03	8.333E-03
4.00E-01---6.00E-01	1.811E-03	2.135E-03	2.429E-03	2.701E-03	2.970E-03	3.252E-03	3.537E-03	3.737E-03	2.200E-02
3.00E-01---4.00E-01	2.455E-03	2.624E-03	2.811E-03	3.011E-03	3.330E-03	3.606E-03	3.888E-03	3.999E-03	2.917E-02
2.00E-01---3.00E-01	4.164E-03	4.967E-03	4.411E-03	4.611E-03	4.985E-03	5.272E-03	5.522E-03	5.682E-03	5.259E-02
1.00E-01---2.00E-01	1.278E-02	1.350E-02	1.429E-02	1.510E-02	1.591E-02	1.723E-02	1.664E-02	1.759E-02	1.617E-01
5.00E-02---1.00E-01	3.644E-02	3.928E-02	3.767E-02	4.000E-02	4.244E-02	4.379E-02	4.444E-02	4.546E-02	4.539E-01
2.00E-02---5.00E-02	9.829E-03	1.000E-02	1.018E-02	1.035E-02	1.063E-02	1.050F-02	1.073E-02	1.078E-02	1.231E-01

4 PI R**2 FLUENCE AT 1200.0 METERS

0.111 TO 1.108 MEV NEUTRON SOURCE

(GAMMAS/MEV/STERADIANSOURCE NEUTRON)

ENERGY	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
GROUP (MEV)	MU=-1.0000	MU=-0.9894	MU=-0.9446	MU=-0.8657	MU=-0.6179	MU=-0.4580	MU=-0.2850	MU=-0.1060	MU=-0.0950
8.00E-00---1.00E-01	5.790E-07	7.560E-07	9.388E-07	1.080E-06	1.165E-06	1.244E-06	1.433E-06	1.849E-06	
6.50E-00---8.00E-01	6.193E-07	9.351E-07	1.433E-06	2.021E-06	2.436E-06	2.535E-06	2.516E-06	2.806E-06	3.721E-06
5.00E-00---6.50E-01	1.272E-05	1.384E-05	1.765E-05	2.258E-05	2.604E-05	2.752E-05	2.666E-05	2.820E-06	4.200E-05
4.00E-00---5.00E-01	-4.672E-06	9.71E-07	8.246E-06	1.049E-05	1.007E-05	1.07E-05	5.665E-06	1.095E-05	
3.00E-00---4.00E-01	-1.374E-07	5.976E-06	1.25E-06	1.626E-05	1.581E-05	1.451E-05	1.278E-05	1.348E-05	2.062E-05
2.50E-00---3.00E-01	-3.354E-06	-2.330E-06	3.184E-07	3.595E-06	4.267E-06	3.678E-06	4.542E-06	7.994E-06	
2.00E-00---2.50E-01	5.784E-06	5.347E-06	3.782E-06	1.578E-06	1.153E-06	2.085E-06	4.897E-06	8.198E-06	1.139E-05
1.66E-00---2.00E-01	1.545E-05	1.360E-05	6.014E-06	-2.273E-07	-1.783E-06	1.274E-06	8.007E-06	1.358E-05	1.518E-05
1.33E-00---1.66E-01	2.140E-05	1.863E-05	7.50E-06	-1.237E-06	-2.761E-06	1.999E-06	1.153E-05	1.803E-05	1.932E-05
1.00E-00---1.33E-01	1.556E-05	1.365E-05	6.285E-06	1.360E-06	2.237E-06	7.114E-06	1.498E-05	2.086E-05	2.919E-05
8.00E-01---1.00E-01	-5.248E-06	-5.442E-06	2.032E-06	1.009E-05	1.488E-05	1.704E-05	1.605E-05	2.750E-05	6.141E-05
6.00E-01---8.00E-01	-1.638E-05	-1.120E-05	3.298E-06	2.49E-05	2.933E-05	3.110E-05	3.950E-05	7.889E-05	1.596E-04
4.00E-01---6.00E-01	2.233E-04	8.375E-05	2.231E-04	2.264E-04	2.53E-04	3.389E-04	4.556E-04	6.188E-04	8.146E-04
3.00E-01---4.00E-01	3.930E-04	3.058E-04	3.619E-04	4.718E-04	6.322E-04	8.290E-04	1.029E-03	1.197E-03	1.312E-03
2.00E-01---3.00E-01	2.203E-03	2.204E-03	2.194E-03	2.169E-03	2.130E-03	2.091E-03	2.070E-03	2.087E-03	
1.00E-01---2.00E-01	5.511E-03	5.523E-03	5.575E-03	5.671E-03	5.808E-03	5.988E-03	6.806E-03	6.485E-03	6.806E-03
5.00E-02---1.00E-01	1.696E-02	1.699E-02	1.711E-02	1.767E-02	1.810E-02	1.864E-02	1.929E-02	2.004E-02	
2.00E-02---5.00E-02	5.211E-03	5.207E-03	5.228E-03	5.258E-03	5.301E-03	5.357E-03	5.426E-03	5.507E-03	5.578E-03
ENERGY	ANGLE 10	ANGLE 11	ANGLE 12	ANGLE 13	ANGLE 14	ANGLE 15	ANGLE 16	ANGLE 17	SCALAR FLUX
GROUP (MEV)	MU= 0.0950	MU= 0.2816	MU= 0.4580	MU= 0.6179	MU= 0.7550	MU= 0.8656	MU= 0.9446	MU= 0.9894	
8.00E-00---1.00E-01	2.584E-06	3.786E-06	5.935E-06	1.053E-05	2.169E-05	4.935E-05	1.113E-04	2.116E-04	1.578E-04
6.50E-00---8.00E-01	5.380E-06	7.891E-06	1.204E-05	2.085E-05	4.272E-05	9.686E-05	2.152E-04	4.009E-04	3.083E-04
5.00E-00---6.50E-01	5.53E-05	8.375E-05	1.256E-04	1.605E-04	4.191E-04	9.031E-04	1.941E-03	3.541E-03	2.914E-03
4.00E-00---5.00E-01	2.020E-05	3.165E-05	4.666E-05	7.792E-05	1.771E-04	4.292E-04	9.286E-04	1.604E-03	1.261E-03
3.00E-00---4.00E-01	3.274E-05	4.772E-05	7.125E-05	1.280E-04	2.751E-04	6.070E-04	1.213E-03	1.989E-03	1.772E-03
2.50E-00---3.00E-01	1.454E-05	2.384E-05	4.477E-05	1.024E-04	2.425E-04	5.230E-04	9.679E-04	1.455E-03	1.343E-03
2.00E-00---2.50E-01	2.640E-05	6.080E-05	1.650E-04	3.150E-04	6.036E-04	1.005E-03	1.401E-03	1.524E-03	
1.66E-00---2.00E-01	1.754E-05	3.511E-05	9.05E-05	2.092E-04	4.103E-04	6.971E-04	1.038E-03	1.335E-03	1.772E-03
1.33E-00---1.66E-01	2.530E-05	5.800E-05	1.440E-04	3.014E-04	5.282E-04	7.985E-04	1.065E-03	1.260E-03	2.117E-03
1.00E-00---1.33E-01	5.624E-05	1.264E-04	2.599E-04	4.574E-04	6.915E-04	9.149E-04	1.081E-03	1.170E-03	2.718E-03
8.00E-01---1.00E-01	1.364E-04	2.632E-04	4.395E-04	6.445E-04	8.429E-04	9.977E-04	1.088E-03	1.123E-03	3.569E-03
6.00E-01---8.00E-01	3.147E-04	4.956E-04	6.809E-04	8.418E-04	9.653E-04	1.057E-03	1.128E-03	1.170E-03	4.888E-03
4.00E-01---6.00E-01	1.527E-05	3.511E-05	1.355E-05	2.092E-04	4.103E-04	6.971E-04	1.038E-03	1.335E-03	1.772E-03
3.00E-01---4.00E-01	1.382E-03	1.438E-03	1.521E-03	1.650E-03	1.811E-03	1.967E-03	2.079E-03	2.135E-03	1.601E-02
2.00E-01---3.00E-01	2.150E-03	2.254E-03	2.387E-03	2.536E-03	2.691E-03	2.845E-03	2.982E-03	3.075E-03	2.890E-02
1.00E-01---2.00E-01	7.176E-03	7.592E-03	8.044E-03	8.517E-03	8.983E-03	9.409E-03	9.750E-03	9.959E-03	9.081E-02
5.00E-02---1.00E-01	2.088E-02	2.181E-02	2.277E-02	2.377E-02	2.470E-02	2.617E-02	2.655E-02	2.624E-01	
2.00E-02---5.00E-02	5.697E-03	5.801E-03	5.906E-03	6.008E-03	6.101E-03	6.180E-03	6.238E-03	6.272E-03	7.136E-02

4 PI R**2 FLUENCE AT 1500.0 METERS

0.111 TO 1.108 MEV NEUTRON SOURCE

(GAMMAS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
GROUP (MEV)	MU=-1.0000	MU=-0.9894	MU=-0.9446	MU=-0.8656	MU=-0.7550	MU=-0.6179	MU=-0.4580	MU=-0.2816	MU=-0.0950
8.00E-00---1.00E-01	-2.41E-08	8.400E-09	9.507E-08	2.145E-07	6.698E-07	2.243E-07	3.713E-07	3.041E-07	3.381E-07
6.50E-00---8.00E-01	-3.532E-07	-2.282E-07	9.476E-08	5.222E-07	6.604E-07	6.151E-07	7.071E-07	7.071E-07	7.071E-07
5.00E-00---6.50E-01	-9.321E-07	-6.556E-08	2.152E-06	5.297E-06	6.550E-06	6.060E-06	4.904E-06	4.801E-06	7.578E-06
4.70E-00---5.00E-01	-7.236E-06	-7.578E-06	-1.154E-06	1.180E-06	2.423E-06	-5.247E-06	-5.604E-07	-1.034E-06	1.252E-06
3.00E-00---4.00E-01	-5.533E-06	-4.207E-06	6.149E-09	3.104E-06	5.758E-06	3.151E-06	6.724E-07	9.449E-07	3.712E-06
2.50E-00---3.00E-01	-3.272E-06	-2.556E-06	-3.725E-07	1.119E-06	2.193E-06	5.608E-06	-4.452E-07	2.102E-06	1.002E-07
2.00E-00---2.50E-01	-2.922E-06	2.6335E-06	1.291E-06	-3.237E-08	-6.702E-07	-1.204E-07	1.010E-06	2.857E-06	3.544E-06
1.66E-00---2.00E-01	9.638E-05	8.303E-06	2.887E-06	-1.805E-06	-3.146E-06	-5.122E-07	2.610E-06	4.700E-06	4.700E-06
1.33E-00---1.66E-01	1.372E-05	1.165E-05	3.6333E-06	-3.006E-06	-4.350E-06	-4.272E-08	4.228E-06	8.172E-06	3.686E-06
1.00E-00---1.33E-01	8.938E-06	7.533E-06	2.119E-06	-1.823E-06	-1.625E-06	1.319E-06	5.746E-06	6.655E-06	6.582E-06
8.00E-01---1.00E-01	-6.997E-06	-5.668E-06	-1.461E-06	2.583E-06	6.553E-06	5.441E-06	2.358E-06	4.921E-06	2.016E-05
6.00E-01---8.00E-01	-1.692E-05	-1.331E-05	-1.789E-06	7.448E-06	1.379E-05	8.523E-06	8.208E-06	2.694E-05	7.889E-05
4.00E-01---6.00E-01	9.882E-05	9.800E-05	9.599E-05	9.769E-05	1.119E-04	1.476E-04	2.113E-04	3.026E-04	4.116E-04
3.00E-01---4.00E-01	1.779E-04	1.246E-04	1.549E-04	1.616E-04	3.080E-04	4.214E-04	5.343E-04	6.237E-04	6.755E-04
2.00E-01---3.00E-01	1.146E-03	1.146E-03	1.138E-03	1.118E-03	1.088E-03	1.055E-03	1.032E-03	1.031E-03	1.031E-03
1.00E-01---2.00E-01	2.767E-03	2.760E-03	2.794E-03	2.843E-03	2.912E-03	3.003E-03	3.114E-03	3.408E-03	3.408E-03
5.00E-02---1.00E-01	8.578E-03	8.592E-03	8.654E-03	8.769E-03	8.934E-03	9.153E-03	9.424E-03	9.743E-03	1.013E-02
2.00E-02---5.00E-02	2.6335E-03	2.6366E-03	2.6454E-03	2.6604E-03	2.6822E-03	2.7104E-03	2.744E-03	2.830E-03	2.830E-03
1.33E-00---1.66E-00	3.255E-06	1.573F-05	6.387E-05	1.576E-04	2.948E-04	4.559E-04	6.107E-04	7.228E-04	1.120E-03
1.00E-00---1.33E-00	1.657E-05	1.324E-04	2.517E-04	3.906E-04	5.146E-04	5.939E-04	6.251E-04	1.444E-03	1.444E-03
8.00E-01---1.00E-00	6.126E-05	5.375E-04	3.286E-04	3.575E-04	4.669E-04	5.726E-04	5.723E-04	1.811E-03	1.811E-03
6.00E-01---8.00E-01	1.648E-04	2.707E-04	3.743E-04	4.565E-04	5.114E-04	5.474E-04	5.162E-04	2.544E-03	2.544E-03
4.00E-01---6.00E-01	5.213E-04	6.139E-04	6.801E-04	7.256E-04	7.688E-04	8.290E-04	9.075E-04	9.762E-04	5.750E-03
3.00E-01---4.00E-01	6.958E-04	7.082E-04	7.391E-04	8.013E-04	8.821E-04	9.548E-04	9.978E-04	1.012E-03	7.90E-03
2.00E-01---3.00E-01	1.057E-03	1.106E-03	1.167E-03	1.234E-03	1.302E-03	1.371E-03	1.434E-03	1.479E-03	1.533E-02
1.00E-01---2.00E-01	3.793E-03	3.589E-03	4.033E-03	4.242E-03	4.466E-03	4.671E-03	4.833E-03	4.932E-03	4.536E-02
5.00E-02---1.00E-01	1.055E-02	1.101E-02	1.150E-02	1.245E-02	1.286E-02	1.318E-02	1.336E-02	1.356E-02	1.329E-01
2.00E-02---5.00E-02	2.880E-02	2.931E-03	2.984E-03	3.035E-03	3.081E-03	3.119E-03	3.148E-03	3.165E-03	3.607E-02

4 PI R**2 FLUENCE AT 1800.0 METERS

0.111 TO 1.108 MEV NEUTRON SOURCE

(GAMMAS/MEV/STERADIAN/SOURCE NEUTRONS)

ENERGY GROUP (MEV)	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
8.00E-00---1.00E-01	MU=-1.0000	MU=0.9894	MU=-0.9446	MU=-0.8856	MU=-0.7550	MU=-0.6179	MU=-0.4580	MU=-0.2816	MU=-0.0950
8.818E-08	-6.756E-08	-2.852E-09	4.572E-08	9.183E-08	6.147E-08	9.243E-09	6.529E-09	4.298E-08	6.529E-08
6.50E-00---8.00E-01	-3.709E-07	-2.947E-07	-5.538E-08	1.225E-07	2.864E-07	1.409E-07	-2.321E-08	-6.005E-08	5.887E-08
5.00E-00---6.50E-01	-2.065E-06	-1.578E-06	-3.839E-08	1.145E-06	2.189E-06	1.323E-06	1.628E-07	1.108E-07	1.037E-06
4.00E-00---5.00E-01	-4.688E-06	-3.817E-06	-1.067E-06	9.854E-07	2.702E-06	7.913E-07	-1.162E-06	-1.566E-06	3.581E-07
3.00E-00---4.00E-01	-4.054E-06	-3.252E-06	-7.278E-07	1.150E-06	2.557E-07	9.777E-07	4.249E-07	4.499E-07	4.499E-07
2.50E-00---3.00E-01	-2.092E-06	-1.666E-06	-3.510E-07	5.663E-07	1.126E-06	1.537E-08	-6.824E-07	-3.569E-07	5.496E-07
2.00E-00---2.50E-01	-1.600E-06	-1.006E-06	6.003E-07	-2.63E-07	-6.562E-07	-3.753E-07	2.665E-07	1.272E-06	1.365E-06
1.66E-00---2.00E-01	5.638E-06	4.790E-06	1.509E-06	-1.394E-06	-2.236E-06	-6.179E-07	1.301E-06	3.233E-06	1.017E-06
1.33E-00---1.66E-01	8.047E-06	6.160E-06	1.892E-06	-2.19E-06	-3.838E-06	-3.838E-07	2.446E-06	4.240E-06	2.714E-07
1.00E-00---1.33E-01	5.056E-06	4.149E-06	8.693E-07	-1.581E-06	-1.955E-06	-2.733E-07	2.695E-06	2.356E-06	3.647E-07
8.00E-01---1.00E-01	-4.724E-06	-3.835E-06	-1.436E-06	1.027E-06	3.225E-06	2.073E-06	-5.547E-07	-2.848E-07	6.406E-06
6.00E-01---8.00E-01	-1.103E-05	-8.818E-06	-1.971E-06	5.709E-05	1.890E-06	6.709E-06	1.890E-06	7.956E-05	3.692E-06
4.00E-01---6.00E-01	4.522E-05	4.456E-05	4.258E-05	4.205E-05	4.803E-05	6.553E-05	9.826E-05	1.456E-04	2.017E-06
3.00E-01---4.00E-01	4.954E-05	5.287E-05	6.818E-05	9.969E-05	1.478E-04	2.073E-04	2.657E-04	3.096E-04	3.313E-04
2.00E-01---3.00E-01	5.680E-04	5.681E-04	5.674E-04	5.625E-04	5.504E-04	5.315E-04	5.107E-04	4.938E-04	4.920E-04
1.00E-01---2.00E-01	1.327E-03	1.330E-03	1.343E-03	1.367E-03	1.400E-03	1.444E-03	1.496E-03	1.500E-03	1.633E-03
5.00E-02---1.00E-01	4.126E-03	4.133E-03	4.163E-03	4.217E-03	4.295E-03	4.398E-03	4.525E-03	4.678E-03	4.854E-03
2.00E-02---5.00E-02	1.264E-03	1.265E-03	1.269E-03	1.276E-03	1.286E-03	1.299E-03	1.315E-03	1.334E-03	1.355E-03
ENERGY GROUP (MEV)	ANGLE 11	ANGLE 12	ANGLE 13	ANGLE 14	ANGLE 15	ANGLE 16	ANGLE 17	SCALAR FLUX	
8.00E-00---1.00E-01	MU= 0.050	MU= 0.2816	MU= 0.4580	MU= 0.6179	MU= 0.7550	MU= 0.8656	MU= 0.9446	MU= 0.9894	
6.50E-00---8.00E-01	3.450E-07	3.299E-07	3.113E-07	3.487E-07	3.724E-06	3.290E-06	3.600E-06	3.112E-05	3.471E-05
5.00E-00---6.50E-01	5.987E-07	6.498E-07	8.792E-07	8.792E-07	6.480E-05	5.625E-05	5.625E-05	1.615E-04	6.394E-05
4.00E-00---5.00E-01	3.217E-06	5.886E-06	6.177E-06	9.360E-06	3.014E-05	1.200E-04	4.317E-04	1.206E-03	5.000E-04
3.00E-00---4.00E-01	3.256E-06	4.412E-06	4.260E-06	4.252E-06	2.396E-06	2.744E-07	1.505E-05	8.612E-05	6.322E-04
2.50E-00---3.00E-01	1.863E-06	1.791E-06	1.964E-06	1.999E-06	5.429E-06	3.163E-05	1.212E-04	3.330E-04	6.828E-04
2.00E-00---2.50E-01	7.090E-06	7.090E-06	4.732E-06	2.885E-08	4.732E-06	4.711E-05	1.416E-04	3.173E-04	5.563E-04
1.66E-00---2.00E-00	-1.730E-06	1.876E-07	1.189E-05	4.760E-05	1.189E-05	7.578E-05	1.731E-04	3.243E-04	4.056E-04
1.32E-00---1.66E-00	-1.928E-06	3.792E-06	2.826E-05	2.826E-05	2.826E-05	1.535E-04	2.067E-04	4.32E-04	4.714E-04
1.00E-00---1.33E-00	4.412E-06	2.907E-05	6.554E-05	1.304E-04	2.040E-04	2.380E-04	3.154E-04	3.668E-04	5.609E-04
8.00E-01---1.00E-01	2.794E-05	6.720E-05	1.225E-04	1.866E-04	2.709E-04	2.678E-04	2.960E-04	3.008E-04	7.143E-04
6.00E-01---8.00E-01	8.329E-05	1.305E-04	1.919E-04	2.299E-04	2.638E-04	2.516E-04	2.746E-04	2.848E-04	2.675E-04
4.00E-01---6.00E-01	2.565E-04	2.999E-04	3.270E-04	3.417E-04	3.557E-04	3.806E-04	4.174E-04	4.512E-04	2.725E-03
2.00E-01---4.00E-01	3.351E-04	3.352E-04	3.467E-04	3.757E-04	4.141E-04	4.458E-04	4.599E-04	4.601E-04	3.792E-03
2.00E-01---3.00E-01	5.23E-04	5.513E-04	5.795E-04	6.077E-04	6.367E-04	6.646E-04	6.846E-04	6.846E-04	
1.00E-01---2.00E-01	1.718E-03	1.811E-03	1.912E-03	2.016E-03	2.117E-03	2.208E-03	2.281E-03	2.246E-03	2.166E-02
5.00E-02---1.00E-01	5.052E-03	5.266E-03	5.491E-03	5.716E-03	5.928E-03	6.114E-03	6.257E-03	6.342E-03	6.340E-02
2.00E-02---5.00E-02	1.378E-03	1.402E-03	1.426E-03	1.450E-03	1.471E-03	1.489E-03	1.502E-03	1.510E-03	1.726E-02

4 PI R**2 HENDERSON DOSE (NEUTRONS)
(CM**2 RAD/STERADIANSOURCE NEUTRON)

C.111 TO 1.1C8 MEV NEUTRON SOURCE

COSINE	75.0	100.0	150.0	RANGE (METERS)	25C.0	300.0	400.C
-1.0000E+00	8.649E-11	1.228E-10	1.221E-10	1.222E-10	1.117E-10	8.454E-11	
-9.89401E-01	8.674E-11	1.C31E-10	1.225E-10	1.275E-10	1.121E-10	8.481E-11	
-9.44575E-01	8.778E-11	1.C43E-10	1.240E-10	1.291E-10	1.242E-10	8.594E-11	
-8.65631E-01	8.987E-11	1.C67E-10	1.271E-10	1.323E-10	1.135E-10	8.811E-11	
-7.50447E-01	9.311E-11	1.167E-10	1.317E-10	1.371E-10	1.164E-10	9.133E-11	
-6.17876E-01	9.774E-11	1.161E-10	1.381E-10	1.439E-10	1.206E-10	9.133E-11	
-4.58017E-01	1.041E-10	1.235E-10	1.468E-10	1.529E-10	1.344E-10	1.017E-10	
-2.81605E-01	1.127E-10	1.335E-10	1.583E-10	1.647E-10	1.583E-10	1.446E-10	1.093E-10
-9.50125E-C2	1.241E-10	1.466E-10	1.734E-10	1.821E-10	1.729E-10	1.577E-10	1.190E-10
9.50125E-02	1.780E-10	1.717E-10	1.826E-10	2.07CE-10	1.996E-10	1.717E-10	1.319E-10
2.81605E-01	1.622E-10	1.996E-10	2.445E-10	2.095E-10	1.978E-10	1.466E-10	
4.58017E-01	1.959E-10	2.51E-10	2.648E-10	2.522E-10	2.222E-10	1.669E-10	
6.17876E-01	2.420E-10	2.658E-10	3.175E-10	3.023E-10	2.843E-10	2.612E-10	1.919E-10
7.52044E-01	2.684E-10	3.473E-10	3.683E-10	3.761E-10	3.084E-10	2.566E-10	
8.65631E-01	4.486E-10	4.863E-10	4.710E-10	4.30CE-10	3.811E-10	2.710E-10	
9.44575E-01	1.273E-C9	9.344E-10	7.696E-10	6.819E-10	5.936E-10	3.422E-10	
9.89401E-01	3.883E-09	3.762E-09	2.825E-09	2.063E-09	1.501E-09	1.104E-C9	6.059E-10
TOTAL	3.133E-C9	3.231E-C9	3.320E-09	3.220E-09	2.953E-09	2.610E-09	1.896E-09
COSINE	500.0	600.0	900.0	RANGE (METERS)	120G.0	1500.0	1800.0
-1.0000E+00	5.874E-11	3.861E-11	9.C01E-12	1.772E-12	3.177E-13	5.366E-14	
-9.89401E-01	5.893E-11	3.873E-11	9.C30E-12	1.777E-12	3.187E-13	5.382E-14	
-9.44575E-01	5.972E-11	3.925E-11	9.153E-12	1.862E-12	3.230E-13	5.456E-14	
-8.65631E-01	6.123E-11	4.384E-11	9.384E-12	1.881E-12	3.230E-13	5.592E-14	
-7.50447E-01	6.347E-11	4.172E-11	9.725E-12	1.914E-12	3.431E-13	5.794E-14	
-6.17876E-01	6.657E-11	4.375E-11	1.C19E-11	2.006E-12	3.595E-13	6.069E-14	
-4.58017E-01	7.064E-11	4.641E-11	1.C81E-11	2.125E-12	3.801E-13	6.426E-14	
-2.81605E-01	7.588E-11	4.982E-11	1.159E-11	2.277E-12	4.077E-13	6.879E-14	
-9.50125E-02	8.252E-11	5.413E-11	1.256E-11	2.465E-12	4.411E-13	7.438E-14	
9.50125E-02	9.082E-11	5.952E-11	1.377E-11	2.698E-12	4.821E-13	8.123E-14	
2.81605E-01	1.014E-10	6.623E-11	1.556E-11	2.918E-12	5.318E-13	8.049E-14	
4.58017E-01	1.145E-10	7.458E-11	1.707E-11	3.323E-12	5.913E-13	9.933E-14	
6.17876E-01	1.311E-10	8.499E-11	1.927E-11	3.730E-12	6.615E-13	1.101E-13	
7.52044E-01	1.523E-10	9.804E-11	2.122E-11	4.291E-12	7.427E-13	1.240E-13	
8.65631E-01	1.804E-10	1.147E-10	2.509E-11	4.761E-12	8.336E-13	1.305E-13	
9.44575E-01	2.209E-10	1.575E-10	2.892E-11	5.375E-12	9.296E-13	1.532E-13	
9.89401E-01	3.390E-10	1.914E-10	3.466E-11	6.069E-12	1.021E-12	1.659E-13	
TOTAL	1.283E-C9	8.285E-10	1.872E-10	3.625E-11	6.435E-12	1.079E-12	

4 PI R**2 SNYDER-NEUFELD DOSE (NEUTRONS)
(CM**2 RAD/STERADIAN/SOURCE NEUTRON)

C.111 TO 1.1C8 MEV NEUTRON SOURCE

COSINE	75.0	100.0	150.0	RANGE (METERS)	200.0	250.0	300.0	400.0
-1.00000E CC	1.709E-10	2.139E-10	2.773E-10	3.103E-10	3.175E-10	3.062E-10	2.927E-10	
-9.89401E-01	2.780E-10	3.116E-10	3.183E-10	3.070E-10	2.533E-10			
-9.44575E-01	1.714E-10	2.166E-10	2.809E-10	3.143E-10	3.216E-10	3.102E-10	2.599E-10	
-8.65631E-01	1.732E-10	2.211E-10	2.866E-10	3.206E-10	3.28CE-10	3.162E-10	2.608E-10	
-7.55044E-01	2.759E-10	2.951E-10	2.974E-10	3.28CE-10	3.252E-10	2.661E-10		
-6.17876E-01	1.933E-10	2.375E-10	3.070E-10	3.429E-10	3.504E-10	3.375E-10	2.779E-10	
-4.58017E-01	2.011E-10	2.504E-10	3.229E-10	3.01E-10	3.674E-10	3.535E-10	2.908E-10	
-2.81605E-01	2.156E-10	2.676E-10	3.437E-10	3.823E-10	3.893E-10	3.740E-10	3.070E-10	
-9.50125E-02	2.902E-10	3.706E-10	4.06E-10	4.171E-10	3.998E-10	3.271E-10		
9.50125E-02	3.202E-10	3.363E-10	3.941E-10	4.541E-10	4.605E-10	4.292E-10	3.523E-10	
2.81605E-01	2.982E-10	3.775E-10	4.717E-10	4.870E-10	4.893E-10	4.743E-10	3.821E-10	
4.58C17E-01	3.533E-10	4.824E-10	5.88E-10	5.583E-10	5.214E-10	4.203E-10		
6.17876E-01	4.288E-10	4.901E-10	6.154E-10	6.279E-10	6.205E-10	5.892E-10	4.667E-10	
7.55044E-01	4.755E-10	6.231E-10	7.030E-10	7.492E-10	7.30CE-10	6.727E-10	5.266E-10	
8.65631E-01	7.844E-10	7.911E-10	8.975E-10	9.05E-10	8.670E-10	8.955E-10	6.057E-10	
9.44575E-01	2.129E-C9	1.592E-09	1.364E-C9	1.257E-09	1.136E-09	9.379E-10	7.261E-10	
9.89401E-01	6.413E-C9	6.243E-09	4.760E-09	3.944E-09	2.643E-09	1.998E-09	1.166E-09	
TOTAL	5.532E-C9	5.94CE-C9	6.561E-09	6.769E-09	6.575E-09	6.112E-09	4.822E-09	
COSINE	500.0	600.0	RANGE (METERS)	900.0	1200.0	1500.0	1800.0	
-1.00000E OC	1.875E-10	1.296E-10	3.329E-11	6.911E-12	1.279E-12	1.206E-13		
-9.89401E-01	1.879E-10	1.299E-10	3.336E-11	6.927E-12	1.282E-12	2.211E-13		
-9.44575E-01	1.889E-10	1.312E-10	3.370E-11	6.996E-12	1.295E-12	2.233E-13		
-8.65631E-01	1.935E-10	1.337E-10	3.432E-11	7.124E-12	1.319E-12	2.273E-13		
-7.55044E-01	2.523E-10	1.423E-10	3.646E-11	7.561E-12	1.399E-12	2.411E-13		
-6.17876E-01	2.00E-10	1.485E-10	3.602E-11	7.879E-12	1.457E-12	2.510E-13		
-4.58017E-C1	2.152E-10	2.269E-10	1.564E-10	3.996E-11	8.233E-12	2.633E-13		
-2.81605E-01	2.413E-10	1.661E-10	4.231E-11	8.746E-12	1.615E-12	2.779E-13		
-9.50125E-02	2.588E-10	1.778E-10	4.512E-11	9.08E-12	1.716E-12	2.951E-13		
9.50125E-02	2.801E-10	1.919E-10	4.844E-11	9.565E-12	1.834E-12	3.150E-13		
2.81605E-C1	3.060E-10	5.233E-11	1.072E-11	1.969E-12	3.377E-13			
4.58017E-01	2.088E-10	5.29CE-10	5.684E-11	1.159E-11	2.121E-12	3.630E-13		
6.17876E-01	3.315E-10	2.534E-10	6.202E-11	1.256E-11	2.289E-12	3.905E-13		
7.55044E-01	3.764E-10	2.834E-10	6.797E-11	1.36E-11	2.467E-12	4.194E-13		
8.65631E-01	4.266E-10	3.23CE-10	7.483E-11	1.475E-11	2.648E-12	4.475E-13		
9.44575E-C1	4.954E-10	4.138E-10	8.468E-11	1.597E-11	2.812E-12	4.707E-13		
9.89401E-01	6.933E-10	2.364E-C9	5.891E-10	1.206E-10	2.213E-11	3.795E-12		
TOTAL	3.481E-C9							

⁴P1 R**2 TISSUE KERNA (NEUTRONS)
(CM**2 ERGS/GRAM/STERADIAN/SOURCE NEUTRON)

0.111 TO 1.108 MEV NEUTRON SOURCE

COSINE	75.C	10C.0	150.0	RANGE (METERS)	25C.C	300.C	400.0
-1.00000E CC							
-9.89401E-01	1.016E-08	1.223E-08	1.482E-08	1.565E-08	1.523E-08	1.406E-08	1.081E-08
-9.44575E-01	1.019E-C8	1.226E-C8	1.486E-C8	1.570E-C8	1.527E-C8	1.410E-C8	1.085E-08
-8.65631E-01	1.031E-08	1.241E-08	1.504E-C8	1.589E-C8	1.546E-C8	1.428E-C8	1.098E-08
-7.55044E-01	1.055E-C8	1.270E-08	1.539E-C8	1.626E-08	1.583E-08	1.462E-C8	1.125E-08
-6.17876E-01	1.092E-C8	1.314E-C8	1.593E-08	1.685E-08	1.638E-08	1.513E-C8	1.165E-08
-4.58017E-01	1.144E-08	1.376E-08	1.661E-08	1.761E-08	1.744E-08	1.583E-08	1.211E-08
-2.81605E-01	1.216E-08	1.466E-08	1.767E-08	1.866E-08	1.815E-08	1.675E-C8	1.281E-08
-9.50125E-02	1.312E-08	1.572E-08	1.899E-08	2.003E-08	1.946E-08	1.795E-C8	1.378E-08
9.50125E-02	1.440E-C8	1.720E-C8	2.070E-08	2.179E-08	2.115E-08	1.947E-C8	1.492E-08
2.01605E-01	2.05CE-C8	1.991E-C8	2.177E-08	2.481E-08	2.416E-08	2.112E-C8	1.644E-08
2.01605E-01	1.868E-08	2.312E-C8	2.760E-08	2.639E-08	2.536E-08	2.407E-08	1.812E-08
4.58017E-C1	2.241E-C8	2.414E-C8	2.764E-08	3.136E-08	3.016E-08	2.686E-08	2.044E-08
6.17876E-01	2.744E-C8	3.05CE-C8	3.686E-C8	3.552E-08	3.375E-08	3.123E-C8	2.327E-08
3.15044E-01	3.15E-C8	3.941E-C8	4.224E-C8	4.369E-08	4.111E-08	3.647E-C8	2.703E-08
8.65631E-C1	5.048E-C8	5.030E-C8	5.530E-08	5.42CE-C8	4.975E-08	4.443E-C8	3.203E-08
9.44575E-01	3.379E-C7	4.21CE-C7	5.678E-C8	7.678E-08	6.737E-08	5.745E-C8	3.972E-08
9.69401E-01	4.153E-67	4.028E-C7	3.034E-C7	2.227E-07	1.632E-07	1.209E-C7	6.75E-08
TOTAL	3.505E-C7	3.659E-C7	3.840E-07	3.782E-07	3.516E-07	3.139E-07	2.322E-07
COSINE	500.C	600.C	900.0	RANGE (METERS)	120C.C	150C.0	1800.0
-1.00000E CC							
-9.89401E-01	7.605E-C9	5.C46E-C9	1.199E-09	2.386E-10	4.307E-11	7.308E-12	
-9.44575E-01	7.725E-C9	5.126E-C9	1.218E-09	2.424E-10	4.376E-11	7.310E-12	
-8.65631E-01	7.910E-09	5.288E-C9	1.247E-C9	2.481E-10	4.478E-11	7.597E-12	
-7.55044E-C1	8.182E-C9	5.479E-C9	1.289E-C9	2.565E-10	4.633E-11	7.854E-12	
-6.17876E-01	8.557E-09	5.676E-C9	1.347E-09	2.680E-10	4.836E-11	8.202E-12	
-4.58017E-01	9.047E-09	5.999E-C9	1.423E-09	2.828E-10	5.02E-11	8.650E-12	
-2.81605E-01	9.674E-09	6.411E-C9	1.518E-C9	3.016E-10	5.437E-11	9.215E-12	
-9.50125E-02	1.046E-08	6.925E-C9	1.637E-09	3.247E-10	5.848E-11	9.906E-12	
9.50125E-02	1.144E-C8	7.663E-C9	1.782E-C9	3.528E-10	6.348E-11	1.074E-11	
2.81605E-01	1.267E-C8	8.351E-09	1.958E-09	3.868E-10	6.947E-11	1.174E-11	
4.58017E-C1	1.413E-08	9.38E-09	2.171E-C9	4.272E-10	7.655E-11	1.292E-11	
6.17876E-01	1.607E-C8	1.C21E-C8	2.426E-C9	4.748E-10	8.479E-11	1.428E-11	
7.55044E-01	1.845E-C8	1.998E-C8	2.727E-C9	5.298E-10	9.415E-11	1.580E-11	
8.65631E-01	2.155E-C8	1.833E-C8	3.C83E-09	5.920E-10	1.045E-10	1.745E-11	
9.44575E-01	2.594E-C8	1.631E-08	3.5C2E-C9	6.598E-10	1.152E-10	1.910E-11	
9.69401E-01	3.839E-C8	2.200E-C8	4.113E-09	7.346E-10	1.251E-10	2.049E-11	
TOTAL	1.590E-07	1.C37E-C7	2.391E-08	4.686E-09	8.381E-10	1.413E-10	

4 PI R**2 MID-PHANTOM DOSE (NEUTRONS)
(CH**2 RAD/STERADIAN/SOURCE NEUTRON)

0.111 TO 1.108 MEV NEUTRON SOURCE

COSINE	75.0	10C.0	15C.0	RANGE (METERS)	25C.0	30C.0	400.0
-1.00000E+0C	2.161E-11	2.805E-11	3.838E-11	4.466E-11	4.711E-11	4.654E-11	3.979E-11
-9.89401E-01	2.166E-11	2.811E-11	3.847E-11	4.476E-11	4.722E-11	4.658E-11	3.988E-11
-9.44575E-01	2.187E-11	2.837E-11	3.882E-11	4.517E-11	4.765E-11	4.707E-11	4.024E-11
-8.65631E-01	2.228E-11	2.889E-11	3.951E-11	4.596E-11	4.847E-11	4.788E-11	4.092E-11
-7.55044E-01	2.291E-11	2.967E-11	4.054E-11	4.713E-11	4.968E-11	4.906E-11	4.192E-11
-6.17876E-01	2.379E-11	3.077E-11	4.196E-11	4.873E-11	5.133E-11	5.066E-11	4.326E-11
-4.58017E-01	2.498E-11	3.223E-11	4.333E-11	5.082E-11	5.347E-11	5.233E-11	4.497E-11
-2.81605E-01	2.656E-11	3.414E-11	4.632E-11	5.347E-11	5.617E-11	5.532E-11	4.711E-11
-9.50125E-02	2.864E-11	3.662E-11	4.929E-11	5.681E-11	5.952E-11	5.811E-11	4.971E-11
9.50125E-02	3.064E-11	4.012E-11	5.296E-11	6.043E-11	6.313E-11	6.173E-11	5.286E-11
2.81605E-01	3.560E-11	4.614E-11	6.006E-11	6.544E-11	6.789E-11	6.741E-11	5.657E-11
4.58017E-01	4.135E-11	4.767E-11	6.16E-11	7.354E-11	7.594E-11	7.283E-11	6.109E-11
6.17876E-01	4.893E-11	5.801E-11	7.613E-11	8.068E-11	8.241E-11	8.038E-11	6.643E-11
7.55044E-01	5.274E-11	7.149E-11	8.03E-11	9.361E-11	9.425E-11	8.28E-11	7.299E-11
8.65631E-01	8.255E-11	8.749E-11	1.044E-10	1.095E-10	1.079E-10	1.019E-10	8.124E-11
9.44575E-01	2.083E-10	1.616E-10	1.485E-10	1.432E-10	1.341E-10	1.214E-10	9.303E-11
9.89401E-01	6.022E-10	5.891E-10	4.557E-10	3.486E-10	2.6088E-10	2.107E-10	1.3222E-10
TOTAL	6.083E-10	6.812E-10	8.067E-10	8.754E-10	8.846E-10	8.487E-10	7.014E-10

COSINE	500.0	600.0	RANGE (METERS)	900.0	1200.0	1500.0	1800.0
-1.00000E+0C	3.025E-11	2.129E-11	5.636E-12	1.188E-12	2.219E-13	3.848E-14	3.848E-14
-9.89401E-01	3.032E-11	2.133E-11	5.648E-12	1.191E-12	2.224E-13	3.856E-14	3.856E-14
-9.44575E-01	3.059E-11	2.153E-11	5.699E-12	1.202E-12	2.244E-13	3.890E-14	3.890E-14
-8.65631E-01	3.111E-11	2.189E-11	5.794E-12	1.221E-12	2.281E-13	3.954E-14	3.954E-14
-7.55044E-01	3.186E-11	2.241E-11	5.931E-12	1.250E-12	2.334E-13	4.046E-14	4.046E-14
-6.17876E-01	3.287E-11	2.311E-11	6.114E-12	1.288E-12	2.4C5E-13	4.168E-14	4.168E-14
-4.58017E-01	3.415E-11	2.400E-11	6.344E-12	1.336E-12	2.493E-13	4.321E-14	4.321E-14
-2.81605E-01	3.573E-11	2.510E-11	6.626E-12	1.394E-12	2.601E-13	4.506E-14	4.506E-14
-9.50125E-02	3.765E-11	2.642E-11	6.960E-12	1.463E-12	2.728E-13	4.724E-14	4.724E-14
9.50125E-02	3.994E-11	2.798E-11	7.352E-12	1.544E-12	2.877E-13	4.976E-14	4.976E-14
2.81605E-01	4.263E-11	2.980E-11	7.802E-12	1.635E-12	3.041E-13	5.259E-14	5.259E-14
4.58017E-01	4.580E-11	3.192E-11	8.311E-12	1.737E-12	3.226E-13	5.573E-14	5.573E-14
6.17876E-01	4.951E-11	3.436E-11	8.800E-12	1.849E-12	3.426E-13	5.910E-14	5.910E-14
7.55044E-01	5.388E-11	3.715E-11	9.503E-12	1.968E-12	3.637E-13	6.260E-14	6.260E-14
8.65631E-01	5.915E-11	4.041E-11	1.018E-11	2.092E-12	3.855E-13	6.610E-14	6.610E-14
9.44575E-01	6.604E-11	4.438E-11	1.090E-11	2.216E-12	4.052E-13	6.930E-14	6.930E-14
9.89401E-01	8.374E-11	5.258E-11	1.182E-11	2.336E-12	4.221E-13	7.177E-14	7.177E-14
TOTAL	5.230E-10	3.635E-10	9.436E-11	9.971E-11	3.661E-12	6.324E-13	

(CM**2 ERGS/GRAM/STERADIAN/SOURCE NEUTRON)

C.111 TO 1.1C8 MFV NEUTRON SOURCE

COSINE	RANGE (METERS)				300.0	400.0
	75.0	100.0	150.0	200.0		
-1.00000E+00	1.167E-09	1.392E-09	1.665E-09	1.741E-09	1.682E-09	1.541E-09
-9.89001E-01	1.171E-09	1.396E-09	1.670E-09	1.746E-09	1.685E-09	1.546E-09
-9.44515E-01	1.184E-09	1.413E-09	1.690E-09	1.768E-09	1.707E-09	1.177E-09
-8.65031E-01	1.212E-09	1.447E-09	1.731E-09	1.811E-09	1.749E-09	1.192E-09
-7.55C4E-01	1.256E-09	1.498E-09	1.793E-09	1.876E-09	1.812E-09	1.222E-09
-6.17876E-01	1.317E-09	1.571E-09	1.880E-09	1.977E-09	1.899E-09	1.326E-09
-4.58017E-01	1.402E-09	1.676E-09	1.997E-09	2.088E-09	2.016E-09	1.406E-09
-2.81605E-01	1.516E-09	1.803E-09	2.151E-09	2.247E-09	2.168E-09	1.510E-09
-9.50125E-02	1.669E-09	1.978E-09	2.352E-09	2.454E-09	2.364E-09	1.641E-09
9.50125E-02	2.316E-09	2.483E-09	2.848E-09	2.983E-09	2.716E-09	2.353E-09
2.816C5E-01	2.175E-09	2.681E-09	3.164E-09	2.998E-09	2.859E-09	1.813E-09
4.58017E-01	2.623E-09	2.817E-09	3.186E-09	3.584E-09	3.424E-09	2.029E-09
6.17876E-01	3.234E-09	3.565E-09	4.270E-09	4.088E-09	3.858E-09	2.620E-09
7.55044E-01	3.585E-09	4.645E-09	4.947E-09	5.067E-09	4.737E-09	3.069E-09
8.65611E-01	6.081E-09	5.989E-09	6.514E-09	6.330E-09	5.794E-09	3.674E-09
9.44575E-01	1.689E-08	1.242E-08	1.027E-08	9.124E-09	7.955E-09	6.746E-09
9.89001E-01	5.145E-08	4.987E-08	3.750E-08	2.741E-08	1.998E-08	8.114E-09
TOTAL	4.182E-08	4.327E-08	4.471E-08	4.354E-08	4.012E-08	3.555E-08
COSINE	RANGE (METERS)				1800.0	1800.0
	500.0	600.0	900.0	1200.0		
-1.00000E+00	8.185E-10	5.398E-10	1.267E-10	2.504E-11	4.504E-12	7.613E-13
-9.89001E-01	8.210E-10	5.415E-10	1.271E-10	2.512E-11	4.515E-12	7.637E-13
-9.44515E-01	8.486E-10	5.288E-10	1.288E-10	2.545E-11	4.575E-12	7.739E-13
-8.65031E-01	8.525E-10	5.622E-10	1.320E-10	2.608E-11	4.687E-12	7.927E-13
-7.55044E-01	8.831E-10	5.824E-10	1.367E-10	2.770E-11	4.852E-12	8.207E-13
-6.17876E-01	9.253E-10	6.101E-10	1.431E-10	2.826E-11	5.078E-12	8.588E-13
-4.58017E-01	9.807E-10	6.464E-10	1.515E-10	2.996E-11	5.371E-12	9.080E-13
-2.81605E-01	1.052E-09	6.929E-10	1.622E-10	3.199E-11	5.741E-12	9.703E-13
-9.50125E-02	1.142E-09	7.514E-10	1.755E-10	3.457E-11	6.200E-12	1.047E-12
9.50125E-02	1.254E-09	8.244E-10	1.919E-10	3.774E-11	6.766E-12	1.141E-12
2.81605E-01	1.396E-09	9.151E-10	2.12E-10	4.159E-11	7.437E-12	1.253E-12
4.58017E-01	1.573E-09	1.C28E-09	2.366E-10	4.622E-11	8.245E-12	1.387E-12
6.17876E-01	1.796E-09	1.168E-09	2.662E-10	5.174E-11	9.195E-12	1.543E-12
7.55044E-01	2.080E-09	1.342E-09	3.118E-10	5.818E-11	1.029E-11	1.72E-12
8.65631E-01	2.454E-09	1.565E-09	3.443E-10	6.558E-11	1.151E-11	1.915E-12
9.44575E-01	2.993E-09	1.868E-09	3.951E-10	7.378E-11	1.279E-11	2.112E-12
9.89001E-01	4.558E-09	2.583E-09	4.715E-10	8.302E-11	1.402E-11	2.282E-12
TOTAL	1.764E-08	1.143E-08	2.599E-09	5.054E-10	8.993E-11	1.511E-11

⁴ PI R**2 AIR KERMA (NEUTRONS)
(CM**2 ERGS/GRAM/STERADIAN/SOURCE NEUTRON)

G.111 TO 1.1C8 MEV NEUTRON SOURCE

COSINE	75.0	100.0	125.0	RANGE (METERS)	250.0	300.0	400.0		
-1.00000E+00	8.756E-10	1.098E-C9	1.444E-C9	1.653E-09	1.737E-09	1.722E-C9	1.496E-09		
-9.89401E-01	8.779E-10	1.01CE-C9	1.477E-C9	1.675E-09	1.702E-09	1.726E-C9	1.499E-09		
-9.44575E-01	8.872E-10	1.112E-C9	1.462E-C9	1.673E-09	1.758E-09	1.742E-C9	1.513E-09		
-8.65031E-01	9.059E-10	1.134E-C9	1.491E-C9	1.705E-09	1.791E-09	1.774E-C9	1.539E-09		
-7.55042E-01	9.169E-10	1.169E-09	1.534E-C9	1.753E-09	1.839E-09	1.820E-C9	1.578E-09		
-6.17876E-01	9.756E-10	1.218E-C9	1.594E-C9	1.818E-09	1.905E-09	1.883E-C9	1.630E-09		
-4.58017E-01	1.031E-09	1.285E-09	1.675E-09	1.905E-09	1.992E-09	1.966E-C9	1.698E-09		
-2.81605E-01	1.106E-C9	1.377E-09	1.780E-C9	2.018E-09	2.103E-09	2.071E-C9	1.783E-C9		
-9.50125E-02	1.206E-C9	1.498E-C9	1.917E-C9	2.162E-09	2.244E-09	2.203E-C9	1.888E-09		
9.50125E-02	1.679E-C9	1.700E-C9	2.000E-09	2.445E-09	2.492E-09	2.344E-C9	2.022E-09		
2.81605E-01	1.539E-09	1.951E-C9	2.461E-09	2.532E-09	2.592E-09	2.590E-C9	2.173E-09		
4.58017E-01	1.829E-C9	2.467E-09	2.928E-09	2.982E-09	2.982E-09	2.372E-09	2.372E-09		
6.17876E-01	2.222E-09	2.525E-C9	3.185E-09	3.256E-09	3.268E-09	3.176E-09	2.611E-09		
7.55042E-01	2.435E-C9	3.279E-09	3.610E-09	3.899E-09	3.851E-09	3.596E-09	2.902E-09		
8.65031E-01	4.021E-C9	4.011E-C9	4.626E-C9	4.708E-09	4.532E-09	4.227E-C9	3.323E-09		
9.44575E-01	1.085E-08	8.188E-C9	7.020E-C9	6.489E-09	5.913E-09	5.251E-C9	3.344E-09		
9.89401E-01	3.257E-08	3.166E-C8	2.405E-R8	1.792E-08	1.342E-08	1.023E-C8	6.118E-09		
TOTAL	2.840E-C8	3.040E-C8	3.377E-C8	3.236E-08	3.499E-08	3.321E-C8	2.736E-08		
COSINE	500.0	600.0	700.0	RANGE (METERS)	900.0	1000.0	1200.0	1500.0	1800.0
COSINE	500.0	600.0	700.0	RANGE (METERS)	900.0	1000.0	1200.0	1500.0	1800.0
-1.00000E+00	1.158E-C9	8.283E-10	2.265E-10	4.855E-11	9.15CE-12	1.595E-12	1.595E-12	1.595E-12	1.595E-12
-9.89401E-01	1.161E-C9	8.301E-10	2.270E-10	4.865E-11	9.169E-12	1.599E-12	1.599E-12	1.599E-12	1.599E-12
-9.44575E-01	1.171E-09	8.376E-10	2.290E-10	4.908E-11	9.249E-12	1.612E-12	1.612E-12	1.612E-12	1.612E-12
-8.65031E-01	1.191E-C9	8.515E-10	2.327E-10	4.986E-11	9.395E-12	1.638E-12	1.638E-12	1.638E-12	1.638E-12
-7.55042E-01	1.220E-C9	8.719E-10	2.454E-10	5.102E-11	9.607E-12	1.675E-12	1.675E-12	1.675E-12	1.675E-12
-6.17876E-01	1.259E-C9	8.944E-10	2.545E-10	5.252E-11	9.890E-12	1.725E-12	1.725E-12	1.725E-12	1.725E-12
-5.58017E-01	1.310E-C9	9.343E-10	2.545E-10	5.442E-11	1.024E-11	1.784E-12	1.784E-12	1.784E-12	1.784E-12
-2.81605E-01	1.373E-C9	9.778E-10	2.657E-10	5.676E-11	1.061E-11	1.859E-12	1.859E-12	1.859E-12	1.859E-12
-7.50125E-02	1.450E-09	1.031E-C9	2.792E-10	5.955E-11	1.119E-11	1.941E-12	1.941E-12	1.941E-12	1.941E-12
9.50125E-02	1.543E-C9	1.094E-C9	2.952E-10	6.282E-11	1.179E-11	2.050E-12	2.050E-12	2.050E-12	2.050E-12
2.81605E-01	1.656E-09	1.170E-C9	3.138E-10	6.659E-11	1.248E-11	2.167E-12	2.167E-12	2.167E-12	2.167E-12
4.58017E-01	1.792E-09	1.261E-09	3.325E-10	7.089E-11	1.325E-11	2.298E-12	2.298E-12	2.298E-12	2.298E-12
6.17876E-01	1.977E-C9	1.368E-C9	3.600E-10	7.571E-11	1.411E-11	2.442E-12	2.442E-12	2.442E-12	2.442E-12
7.55042E-01	2.158E-09	1.495E-C9	3.879E-10	8.101E-11	1.504E-11	2.596E-12	2.596E-12	2.596E-12	2.596E-12
8.65031E-01	2.433E-09	1.651E-C9	4.198E-10	8.672E-11	1.601E-11	2.754E-12	2.754E-12	2.754E-12	2.754E-12
9.44575E-01	2.766E-C9	1.852E-09	4.598E-10	9.265E-11	1.697E-11	2.904E-12	2.904E-12	2.904E-12	2.904E-12
9.89401E-01	3.747E-C9	2.303E-C9	5.043E-10	9.888E-11	1.782E-11	3.026E-12	3.026E-12	3.026E-12	3.026E-12
TOTAL	2.053E-C8	1.439E-08	3.817E-09	8.065E-10	1.508E-10	2.616E-11			

4 P1 3**? IONIZING SILICON KERMA (NEUTRONS)
 (CM**2 EJS/GRAM/STERADIAN/SOURCE NEUTRON)

0.111 TO 1.1C8 MEV NEUTRON SOURCE

COSINE	75.0	100.0	150.0	RANGE (METERS)	250.0	300.0	400.0
-1.00000E+00	8.460E-11	1.012E-10	1.19E-10	1.188E-10	1.12CE-10	1.005E-10	7.387E-11
-9.8901E-01	8.687E-11	1.015E-10	1.13E-10	1.192E-10	1.123E-10	1.009E-10	7.412E-11
-9.44575E-01	8.796E-11	1.028E-10	1.188E-10	1.229E-10	1.139E-10	1.023E-10	7.520E-11
-8.65631E-01	1.017E-11	1.29E-10	1.79E-10	1.721E-10	1.67CE-10	1.092E-10	7.728E-11
-7.55044E-01	9.357E-11	1.094E-10	1.266E-10	1.289E-10	1.216E-10	1.092E-10	6.037E-11
-6.17876E-01	9.550E-11	1.15CE-10	1.322E-10	1.357E-10	1.280E-10	1.150E-10	8.466E-11
-4.58017E-01	1.051E-10	1.227E-10	1.47E-10	1.447E-10	1.366E-10	1.227E-10	9.035E-11
-2.81655E-01	1.140E-10	1.329E-10	1.537E-10	1.566E-10	1.478E-10	1.328E-10	9.774E-11
-9.50125E-02	1.259E-10	1.465E-10	1.69E-10	1.722E-10	1.624E-10	1.457E-10	1.072E-10
9.50125E-02	1.904E-10	1.648E-10	1.655E-10	2.056E-10	1.964E-10	1.571E-10	1.203E-10
2.81655E-01	1.670E-10	2.046E-10	2.388E-10	2.080E-10	1.934E-10	1.873E-10	1.339E-10
4.58017E-01	2.030E-10	2.682E-10	2.269E-10	2.616E-10	2.462E-10	2.086E-10	1.545E-10
6.17876E-01	2.510E-10	2.709E-10	3.198E-10	2.92CE-10	2.702E-10	2.499E-10	1.787E-10
7.55044E-01	2.694E-10	3.664E-10	3.694E-10	3.725E-10	3.434E-10	2.949E-10	2.123E-10
8.65631E-C1	4.568E-10	4.54CE-10	4.880E-10	4.624E-10	4.167E-10	3.682E-10	2.565E-10
9.44575E-01	9.167E-10	7.660E-10	6.729E-10	5.797E-10	4.841E-10	3.251E-10	5.641E-10
9.8901E-C1	3.750E-09	3.622E-09	2.687E-09	1.95CE-09	1.412E-09	1.035E-09	
TOTAL	3.147E-09	3.205E-09	3.242E-09	3.109E-09	2.814E-09	2.445E-09	1.739E-09
COSINE	500.0	600.0	900.0	RANGE (METERS)	1200.0	1500.0	1800.0
5.C13E-11	3.233E-11	7.245E-12	1.392E-12	2.458E-13	4.108E-13		
5.030E-11	3.244E-11	7.271E-12	1.397E-12	2.467E-13	4.123E-14		
5.104E-11	3.292E-11	7.382E-12	1.418E-12	2.505E-13	4.187E-14		
5.247E-11	3.385E-11	7.591E-12	1.459E-12	2.576E-13	4.306E-14		
5.458E-11	3.522E-11	7.900E-12	1.519E-12	2.682E-13	4.483E-14		
5.751E-11	3.711E-11	8.329E-12	1.601E-12	2.828E-13	4.727E-14		
6.138E-11	3.962E-11	8.890E-12	1.79E-12	3.018E-13	5.046E-14		
6.639E-11	4.284E-11	9.612E-12	1.848E-12	3.263E-13	5.454E-14		
7.277E-11	4.695E-11	1.052E-11	2.022E-12	3.569E-13	5.963E-14		
5.212E-11	1.166E-11	2.166E-12	3.948E-13	6.594E-14			
9.111E-11	5.858E-11	1.307E-11	2.504E-12	4.412E-13	7.362E-14		
1.039E-10	6.670E-11	1.480E-11	2.828E-12	4.973E-13	8.287E-14		
1.202E-10	7.683E-11	1.692E-11	3.218E-12	5.641E-13	9.379E-14		
1.410E-10	8.955E-11	1.947E-11	3.676E-12	6.415E-13	1.063E-13		
1.683E-10	1.057E-10	2.252E-11	4.023E-12	7.281E-13	1.201E-13		
2.069E-10	1.273E-10	2.613E-11	4.781E-12	8.186E-13	1.339E-13		
3.135E-10	1.759E-10	3.132E-11	5.416E-12	9.031E-13	1.457E-13		
TOTAL	1.154E-C9	7.338E-10	1.605E-10	3.046E-11	5.337E-12	8.873E-13	

4 PI R² NON IONIZING SILICON KERMA (NEUTRONS)
(CM⁻²)² ERGS/GRAM/STERADIAN/SOURCE NEUTRON) 0.111 TO 1.108 MEV NEUTRON SOURCE

COSINE	75.0	100.0	150.0	RANGE (METERS)
				200.0
				250.0
-1.00000E 00	1.325E-10	1.563E-10	1.774E-10	1.798E-10
-9.89401E-01	1.329E-10	1.547E-10	1.780E-10	1.823E-10
-9.44575E-01	1.246E-10	1.507E-10	1.803E-10	1.878E-10
-8.65631E-01	1.380E-10	1.607E-10	1.851E-10	1.877E-10
-7.55044E-01	1.432E-10	1.669E-10	1.923E-10	1.951E-10
-6.17876E-01	1.507E-10	1.756E-10	2.024E-10	2.055E-10
-4.58017E-01	1.610E-10	1.875E-10	2.161E-10	2.195E-10
-2.81605E-01	1.750E-10	2.035E-10	2.343E-10	2.386E-10
-9.50125E-02	1.936E-10	2.247E-10	2.582E-10	2.622E-10
9.50125E-02	2.877E-10	2.602E-10	2.643E-10	2.684E-10
2.81605E-01	2.566E-10	3.135E-10	3.622E-10	3.919E-10
4.58017E-01	3.129E-10	3.255E-10	3.543E-10	4.022E-10
6.17876E-01	3.895E-10	4.197E-10	4.929E-10	5.495E-10
7.55044E-01	4.276E-10	5.551E-10	5.723E-10	5.789E-10
8.65631E-01	7.361E-10	7.192E-10	7.672E-10	7.296E-10
9.44575E-01	2.057E-09	1.605E-09	1.229E-09	1.075E-09
9.89401E-01	6.310E-09	6.098E-09	4.543E-09	3.293E-09
TOTAL	5.011E-09	5.083E-09	5.C91E-09	4.843E-09
				3.782E-09
				4.363E-09
				3.782E-09
				2.674E-09

COSINE	500.0	600.0	RANGE (METERS)
			900.0
			1200.0
-1.00000E 00	7.511E-11	4.835E-11	1.080E-11
-9.89401E-01	7.538E-11	4.853E-11	1.084E-11
-9.44575E-01	7.659E-11	4.926E-11	1.100E-11
-8.65631E-01	7.867E-11	5.666E-11	1.132E-11
-7.55044E-01	8.188E-11	5.275E-11	1.179E-11
-6.17876E-01	6.637E-11	5.664E-11	1.244E-11
-4.58017E-01	9.230E-11	5.947E-11	1.330E-11
-2.81605E-01	1.000E-10	6.443E-11	1.44CE-11
-9.50125E-02	1.099E-10	7.676E-11	1.776E-11
2.81605E-01	1.227E-10	7.878E-11	1.956E-11
4.58017E-01	1.364E-10	8.087E-11	1.975E-11
6.17876E-01	1.585E-10	1.016E-10	2.246E-11
7.55044E-01	1.845E-10	1.177E-10	2.581E-11
8.65631E-01	2.626E-10	1.644E-10	3.485E-11
9.44575E-01	3.274E-10	2.008E-10	4.C88E-11
9.89401E-01	5.151E-10	2.664E-10	4.994E-11
TOTAL	1.769E-09	1.121E-09	2.437E-10
			4.609E-11
			8.057E-12
			1.337E-12

$^4 \text{Pi}$ R^{**2} HENDERSON DOSE (GAMMA)

0.111 TO 1.108 MEV NEUTRON SOURCE

COSINE	75.0	100.0	150.0	RANGE (METERS)	250.0	300.0	400.0
-1.0000CE 00	3.843E-13	6.239E-13	1.146E-12	1.633E-12	2.003E-12	2.230E-12	2.287E-12
-9.89401E-01	3.850E-13	6.253E-13	1.156E-12	1.639E-12	2.012E-12	2.240E-12	2.300E-12
-9.44575E-01	3.877E-13	6.307E-13	1.165E-12	1.663E-12	2.046E-12	2.283E-12	2.352E-12
-8.65631E-01	3.92E-13	6.413E-13	1.194E-12	1.710E-12	2.112E-12	2.452E-12	2.602E-12
-7.55044E-01	4.002E-13	6.569E-13	1.234E-12	1.780E-12	2.212E-12	2.490E-12	2.662E-12
-6.17876E-01	4.100E-13	6.775E-13	1.286E-12	1.875E-12	2.349E-12	2.810E-12	2.810E-12
-4.58017E-01	4.220E-13	7.C29E-13	1.355E-12	1.997E-12	2.528E-12	2.889E-12	3.090E-12
-2.81605E-01	4.359E-13	7.331E-13	1.436E-12	2.150E-12	2.757E-12	3.185E-12	3.467E-12
-9.50125E-02	4.516E-13	7.677E-13	1.535E-12	2.337E-12	3.043E-12	3.565E-12	3.969E-12
9.50125E-02	4.688E-13	8.C64E-13	1.646E-12	2.560E-12	3.396E-12	4.047E-12	4.638E-12
2.81605E-01	4.874E-13	1.772E-12	2.821E-12	3.824E-12	4.649E-12	5.524E-12	5.683E-12
4.58017E-01	5.C51E-13	8.898E-13	1.905E-12	3.116E-12	4.327E-12	5.385E-12	6.168E-12
6.17876E-01	5.221E-13	9.329E-13	2.C51E-12	3.436E-12	4.897E-12	6.255E-12	8.168E-12
7.55044E-01	5.379E-13	9.718E-13	2.189E-12	3.762E-12	5.508E-12	7.231E-12	9.987E-12
8.65631E-01	5.521E-13	1.C04E-12	2.314E-12	4.069E-12	6.108E-12	8.236E-12	1.204E-11
9.44575E-01	5.614E-13	1.C31E-12	2.409E-12	4.318E-12	6.619E-12	9.131E-12	1.405E-11
9.89401E-01	5.617E-13	1.C40E-12	2.463E-12	4.468E-12	6.943E-12	9.725E-12	1.550E-11
TOTAL	5.848E-12	1.CC9E-11	2.C89E-11	3.314E-11	4.519E-11	5.568E-11	6.924E-11
COSINE	500.0	600.0	900.0	RANGE (METERS)	1200.0	1500.0	1800.0
-1.0000CE 00	1.996E-12	1.574E-12	5.602E-13	1.629E-13	4.568E-14	1.324E-14	
-9.89401E-01	2.009E-12	1.586E-12	5.711E-13	1.722E-13	5.212E-14	1.697E-14	
-9.44575E-01	2.062E-12	1.636E-12	6.081E-13	1.978E-13	7.022E-14	2.838E-14	
-8.65631E-01	2.163E-12	6.657E-12	7.354E-13	2.603E-13	8.898E-14	3.722E-14	
-7.55044E-01	2.309E-12	1.854E-12	7.265E-13	2.745E-13	1.044E-13	4.668E-14	
-6.17876E-01	2.510E-12	2.C24E-12	7.898E-13	2.745E-13	1.009E-13	4.119E-14	
-4.58017E-01	2.785E-12	2.257E-12	8.711E-13	2.868E-13	9.765E-14	3.648E-14	
-2.81605E-01	3.163E-12	2.585E-12	1.000E-12	3.239E-13	1.089E-13	4.138E-14	
-9.50125E-02	3.686E-12	3.C53E-12	1.215E-12	4.020E-13	1.384E-13	5.447E-14	
9.50125E-02	4.416E-12	3.724E-12	1.546E-12	5.290E-13	1.9C3E-13	7.684E-14	
2.81605E-01	5.416E-12	4.694E-12	2.055E-12	7.194E-13	2.576E-13	1.037E-13	
4.58017E-01	6.813E-12	6.110E-12	2.889E-12	1.029E-12	3.551E-13	1.316E-13	
6.17876E-01	8.731E-12	8.194E-12	4.301E-12	1.639E-12	5.660E-13	1.985E-13	
7.55044E-01	1.139E-11	1.120E-11	6.864E-12	2.967E-12	1.126E-12	4.175E-13	
8.65631E-01	1.448E-11	1.527E-11	1.130E-11	5.838E-12	2.589E-12	1.086E-12	
9.44575E-01	1.788E-11	2.006E-11	1.810E-11	1.138E-11	6.021E-12	2.922E-12	
9.89401E-01	2.057E-11	2.418E-11	2.567E-11	1.925E-11	1.206E-11	6.810E-12	
TOTAL	7.251E-11	6.819E-11	4.046E-11	1.950E-11	8.933E-12	4.081E-12	

4 PI R**2 CONCRETE KERMA (GAMMAS)
(CH**2 ERGS/GRAM/STERADIAN/SOURCE NEUTRON)

0.111 TO 1.1C8 MEV NEUTRON SOURCE

COSINE	75.0	100.0	150.0	RANGE (METERS)	250.0	300.0	400.0
-1.00000E 00	3.921E-11	6.375E-11	1.177E-10	1.681E-10	2.072E-10	2.320E-10	2.414E-10
-9.89401E-01	3.928E-11	6.386E-11	1.181E-10	1.687E-10	2.081E-10	2.331E-10	2.426E-10
-9.44575E-01	6.194E-11	1.194E-10	2.111E-10	2.373E-10	2.478E-10	2.478E-10	2.478E-10
-8.65631E-01	4.005E-11	6.549F-11	1.221E-10	1.758E-10	2.182E-10	2.457E-10	2.580E-10
-7.55044E-01	4.080E-11	6.705E-11	1.261E-10	1.828E-10	2.282E-10	2.581E-10	2.730E-10
-6.17876E-01	4.177E-11	6.910E-11	1.315E-10	1.923E-10	2.419E-10	2.753E-10	2.753E-10
-4.58017E-01	4.297E-11	7.164E-11	1.382E-10	2.046E-10	2.598E-10	2.981E-10	3.220E-10
-2.81605E-01	4.436E-11	7.466E-11	1.464E-10	2.199E-10	2.827E-10	3.278E-10	3.598E-10
-9.50125E-02	4.593E-11	7.812E-11	1.562E-10	2.386E-10	3.113E-10	3.658E-10	4.101E-10
9.50125E-02	4.765E-11	8.190E-11	1.675E-10	2.609E-10	3.466E-10	4.129E-10	4.770E-10
2.81605E-01	4.946E-11	8.608E-11	1.801E-10	2.869E-10	3.894E-10	4.740E-10	5.654E-10
4.58017E-01	5.127E-11	9.331E-11	1.937E-10	3.163E-10	4.395E-10	5.474E-10	6.810E-10
6.17876E-01	5.298E-11	9.462E-11	2.080E-10	3.433E-10	4.965E-10	6.343E-10	8.291E-10
7.55044E-01	5.455E-11	9.850E-11	2.217E-10	3.808E-10	5.574E-10	7.317E-10	1.010E-C9
8.65631E-01	5.596E-11	1.C18E-11C	2.341E-10	4.114E-10	6.173E-10	8.319E-10	1.215E-09
9.44575E-01	5.690E-11	1.C44E-11C	2.437E-10	4.363E-10	6.682E-10	9.212E-10	1.416E-09
9.89401E-01	5.693E-11	1.C55E-11C	2.490E-10	4.513E-10	7.005E-10	9.803E-10	1.566E-09
TOTAL	5.945E-10	1.C226E-09	2.122E-09	3.374E-09	4.605E-09	5.681E-09	7.083E-09
COSINE	500.0	600.0	900.0	RANGE (METERS)	900.0	1200.0	1500.0
-1.00000E 00	2.145E-10	1.731E-10	6.832E-11	2.340E-11	8.187E-12	3.074E-12	3.074E-12
-9.89401E-01	2.158E-10	1.743E-10	6.941E-11	2.432E-11	8.823E-12	3.442E-12	3.442E-12
-9.44575E-01	2.211E-10	1.794E-10	7.320E-11	2.688E-11	1.062E-11	4.572E-12	4.572E-12
-8.65631E-01	2.313E-10	1.883E-10	7.897E-11	3.067E-11	1.252E-11	5.462E-12	5.462E-12
-7.55044E-01	2.460E-10	2.C14E-10	9.521E-11	3.326E-11	1.449E-11	6.421E-12	6.421E-12
-6.17876E-01	2.663E-10	9.179E-10	9.179E-11	3.865E-11	1.385E-11	5.929E-12	5.929E-12
-4.58017E-01	2.940E-10	2.422E-10	1.002E-10	3.629E-11	1.364E-11	5.516E-12	5.516E-12
-2.81605E-01	3.320E-10	2.752E-10	1.136E-10	4.021E-11	1.486E-11	6.C49E-12	6.C49E-12
-3.50125E-02	3.844E-10	3.222E-10	1.351E-10	4.816E-11	1.789E-11	7.391E-12	7.391E-12
9.3125E-02	4.569E-10	3.894E-10	1.684E-10	6.098E-11	2.312E-11	9.646E-12	9.646E-12
2.21605E-01	5.573E-10	4.862E-10	2.194E-10	8.005E-11	2.988E-11	1.234E-11	1.234E-11
4.58017E-01	6.967E-10	6.275E-10	3.015E-10	1.109E-10	3.959E-11	1.513E-11	1.513E-11
6.17876E-01	8.884E-10	8.350E-10	4.433E-10	1.713E-10	6.038E-11	2.168E-11	2.168E-11
7.55044E-01	1.144E-09	1.134E-09	6.970E-10	3.026E-10	1.155E-10	4.307E-11	4.307E-11
8.65631E-01	1.460E-09	1.54CE-09	1.138E-09	5.870E-10	2.599E-10	1.090E-10	1.090E-10
9.44575E-01	1.800E-09	2.C17E-09	1.814E-09	1.138E-09	6.010E-10	2.911E-10	2.911E-10
9.89401E-01	2.C67E-09	2.427E-09	2.570E-09	1.924E-09	1.205E-09	6.805E-10	6.805E-10
TOTAL	7.440E-09	7.C18E-09	4.202E-09	2.C039E-09	9.371E-10	4.288E-10	4.288E-10

(CM**2 ERGS/GRAMS/STERADIANS/SOURCE NEUTRON)

C.111 TO 1.108 MEV NEUTRON SOURCE

COSINE	75.0	1CC.0	RANGE (METERS)			400.0
			150.0	200.0	250.0	
-1.00000E 00	4.220E-11	6.977E-11	1.317E-10	1.924E-10	2.448E-10	2.830E-10
-9.88401E-01	4.256E-11	6.991E-11	1.321E-10	1.935E-10	2.456E-10	2.841E-10
-9.44575E-01	4.281E-11	7.042E-11	1.334E-10	1.959E-10	2.490E-10	2.883E-10
-8.65631E-01	4.305E-11	7.143E-11	1.360E-10	2.004E-10	2.555E-10	2.965E-10
-7.55044E-01	4.401E-11	7.292E-11	1.398E-10	2.074E-10	2.653E-10	3.089E-10
-6.17876E-01	4.433E-11	7.487E-11	1.449E-10	2.164E-10	2.786E-10	3.257E-10
-4.58017E-01	4.606E-11	7.728E-11	1.513E-10	2.281E-10	2.959E-10	3.480E-10
-2.81605E-01	4.738E-11	8.134E-11	1.592E-10	2.428E-10	3.180E-10	3.768E-10
-9.50125E-02	4.884E-11	8.341E-11	1.684E-10	2.606E-10	3.454E-10	4.134E-10
9.50125E-02	5.044E-11	8.705E-11	1.791E-10	2.817E-10	3.790E-10	4.594E-10
2.81605E-01	5.218E-11	9.091E-11	1.909E-10	3.069E-10	4.195E-10	5.169E-10
4.58017E-01	5.388E-11	9.488E-11	2.038E-10	3.339E-10	4.667E-10	5.858E-10
6.17876E-01	5.558E-11	9.891E-11	2.171E-10	3.629E-10	5.201E-10	6.673E-10
7.55044E-01	5.699E-11	1.026E-10	2.299E-10	3.943E-10	5.770E-10	7.581E-10
8.65631E-01	5.828E-11	1.075E-10	2.415E-10	4.228E-10	6.327E-10	8.513E-10
9.44575E-01	5.951E-11	1.080E-10	2.504E-10	4.459E-10	6.799E-10	9.339E-10
9.88401E-01	5.918E-11	1.089E-10	2.554E-10	4.597E-10	7.098E-10	9.888E-10
TOTAL	6.301E-10	1.089E-09	2.265E-09	3.624E-09	4.987E-09	6.207E-09
COSINE	500.0	60C.0	RANGE (METERS)			1800.0
			900.0	1200.0	1500.0	
-1.00000E 00	3.070E-10	2.726E-10	1.484E-10	6.933E-11	3.191E-11	1.456E-11
-9.88401E-01	3.033E-10	2.739E-10	1.495E-10	7.086E-11	3.254E-11	1.491E-11
-9.44575E-01	3.139E-10	2.793E-10	1.537E-10	7.357E-11	3.437E-11	1.604E-11
-8.65631E-01	3.243E-10	2.602E-10	1.602E-10	7.765E-11	3.702E-11	1.702E-11
-7.55044E-01	3.339E-10	2.031E-10	1.677E-10	8.116E-11	3.843E-11	1.815E-11
-6.17876E-01	3.610E-10	2.216E-10	1.761E-10	8.402E-11	3.891E-11	1.803E-11
-4.58017E-01	3.864E-10	3.466E-10	1.868E-10	8.710E-11	3.960E-11	1.808E-11
-2.81605E-01	4.279E-10	2.811E-10	2.027E-10	9.282E-11	4.18CE-11	1.907E-11
-9.50125E-02	4.801E-10	4.290E-10	2.267E-10	1.026E-10	4.581E-11	2.098E-11
9.50125E-02	5.512E-10	4.961E-10	2.621E-10	1.173E-10	5.205E-11	2.361E-11
2.81605E-01	6.444E-10	5.909E-10	3.145E-10	1.381E-10	5.992E-11	2.686E-11
4.58017E-01	7.814E-10	7.268E-10	3.960E-10	1.702E-10	7.077E-11	3.034E-11
6.17876E-01	9.633E-10	9.234E-10	5.326E-10	2.299E-10	9.210E-11	3.744E-11
7.55044E-01	1.201E-C9	1.203E-C9	7.715E-10	3.547E-10	1.451E-10	5.834E-11
8.65631E-01	1.494E-09	1.579E-C9	1.180E-09	6.189E-10	2.796E-10	1.200E-10
9.44575E-01	1.807E-C9	2.019E-09	1.802E-09	1.124E-09	5.923E-10	2.869E-10
9.88401E-01	2.033E-09	2.395E-09	2.491E-09	1.840E-09	1.141E-09	6.40CE-10
TOTAL	8.478E-C9	8.179E-C9	5.213E-09	2.648E-09	1.252E-09	5.813E-10

⁴ PI R**2 SILICON KERMA (GAMMAS)
(CM**2 ERGS/GRAM/STERADIAN/SOURCE NEUTRON)

0.111 TO 1.108 MEV NEUTRON SOURCE

COSINE	75.0	100.0	150.0	RANGE (METERS)	250.0	300.0	400.0
-1.00000E 00	4.047E-11	6.582E-11	1.217E-10	1.74CE-10	2.149E-10	2.411E-10	2.520E-10
-9.89401E-01	4.054E-11	6.597E-11	1.221E-10	1.746E-10	2.158E-10	2.421E-10	2.539E-10
-9.44575E-01	4.080E-11	6.652E-11	1.235E-10	1.771E-10	2.192E-10	2.465E-10	2.586E-10
-8.65631E-01	4.133E-11	6.761E-11	1.262E-10	1.819E-10	2.261E-10	2.550E-10	2.690E-10
-7.55044E-01	4.209E-11	6.921E-11	1.303E-10	1.891E-10	2.344E-10	2.678E-10	2.844E-10
-6.17876E-01	4.309E-11	7.131E-11	1.358E-10	1.988E-10	2.504E-10	2.854E-10	3.057E-10
-4.58017E-01	4.432E-11	7.392E-11	1.427E-10	2.114E-10	2.687E-10	3.087E-10	3.345E-10
-2.81605E-01	4.575E-11	7.701E-11	1.511E-10	2.271E-10	3.21E-10	3.731E-10	4.246E-10
-9.50125E-02	4.736E-11	8.055E-11	1.611E-10	2.462E-10	3.215E-10	3.780E-10	4.931E-10
9.50125E-02	4.911E-11	8.452E-11	1.727E-10	2.691E-10	3.577E-10	4.273E-10	5.836E-10
2.81605E-01	5.971E-11	8.871E-11	1.856E-10	2.958E-10	4.014E-10	4.888E-10	5.836E-10
4.58017E-01	5.283E-11	9.305E-11	1.996E-10	3.259E-10	4.528E-10	5.641E-10	7.020E-10
6.17876E-01	5.458E-11	9.747E-11	2.142E-10	3.586E-10	5.112E-10	6.531E-10	8.538E-10
7.55044E-01	5.619E-11	1.015E-10	2.282E-10	3.920E-10	5.737E-10	7.529E-10	1.040E-09
8.65631E-01	5.764E-11	1.048E-10	2.434E-10	4.234E-10	6.351E-10	8.557E-10	1.250E-09
9.44575E-01	5.860E-11	1.075E-10	2.508E-10	4.489E-10	6.874E-10	9.473E-10	1.455E-09
9.89401E-01	5.863E-11	1.084E-10	2.563E-10	4.643E-10	7.205E-10	1.008E-09	1.604E-09
TOTAL	6.128E-10	1.057E-09	2.188E-09	3.479E-09	4.75CE-09	5.862E-09	7.314E-09

COSINE	500.0	600.0	900.0	RANGE (METERS)	1200.0	1500.0	1800.0
-1.00000E 00	2.253E-10	1.833E-10	7.484E-11	2.679E-11	9.806E-12	3.825E-12	4.203E-12
-9.89401E-01	2.267E-10	1.846E-10	7.595E-11	2.773E-11	1.046E-11	4.23E-11	5.363E-12
-9.44575E-01	2.322E-10	1.898E-10	7.983E-11	3.036E-11	1.230E-11	5.122E-11	6.276E-12
-8.65631E-01	2.576E-10	1.992E-10	8.574E-11	3.423E-11	1.425E-11	7.255E-11	7.255E-12
-7.55044E-01	2.123E-10	2.123E-10	9.209E-11	3.687E-11	1.585E-11	7.541E-12	7.541E-12
-6.17876E-01	2.784E-10	2.299E-10	9.877E-11	3.847E-11	1.559E-11	6.302E-12	6.302E-12
-4.58017E-01	3.067E-10	2.539E-10	1.073E-10	3.988E-11	1.534E-11	6.655E-11	6.828E-12
-2.81605E-01	3.455E-10	2.876E-10	1.209E-10	4.382E-11	1.655E-11	8.182E-12	8.182E-12
-9.50125E-02	3.991E-10	3.356E-10	1.428E-10	5.188E-11	1.961E-11	2.490E-11	1.046E-11
9.50125E-02	4.732E-10	4.043E-10	1.767E-10	6.488E-11	2.490E-11	3.172E-11	1.317E-11
2.81605E-01	5.759E-10	5.033E-10	2.286E-10	8.422E-11	4.150E-11	1.595E-11	2.250E-11
4.58017E-01	7.186E-10	6.478E-10	3.123E-10	1.155E-10	6.253E-11	2.250E-11	4.422E-11
6.17876E-01	9.150E-10	8.602E-10	4.572E-10	1.770E-10	3.111E-10	1.186E-10	1.166E-10
7.55044E-01	1.177E-09	1.167E-09	7.168E-10	6.022E-10	2.663E-10	6.163E-10	2.984E-10
8.65631E-01	1.501E-09	1.583E-09	1.169E-09	1.168E-09	1.976E-09	1.238E-09	6.991E-10
9.44575E-01	1.849E-09	2.072E-09	1.863E-09	2.639E-09	2.639E-09	1.976E-09	1.604E-09
9.89401E-01	2.124E-09	2.493E-09	2.639E-09	2.639E-09	2.639E-09	2.639E-09	2.639E-09
TOTAL	7.688E-09	7.258E-09	4.356E-09	2.117E-09	9.741E-10	4.459E-10	4.459E-10

4 PI R**2 FLUENCE AT 75.0 METERS

0.00335 TO 0.111 MEV NEUTRON SOURCE

(NEUTRONS/MEV/STERADIANT/SOURCE NEUTRON)									
ENERGY GROUP (MEV)	ANGLE 1 MU=1.0000	ANGLE 2 MU=-0.9894	ANGLE 3 MU=-0.9446	ANGLE 4 MU=-0.8656	ANGLE 5 MU=-0.7550	ANGLE 6 MU=-0.6179	ANGLE 7 MU=-0.4580	ANGLE 8 MU=-0.2816	ANGLE 9 MU=-0.0950
1.22E 01----1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01----1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00----1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00----8.19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E 00----6.36E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.07E 00----4.97E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.01E 00----3.01E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.35E 00----2.46E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.83E 00----2.35E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E 00----1.33E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.50E -01----1.11E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E -01----5.50E -01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.35E -02----1.11E -01	1.673E 00	1.677E 00	1.698E 00	1.739E 00	1.802E 00	1.889E 00	2.006E 00	2.158E 00	2.352E 00
5.83E -04----3.35E -02	1.350E 00	1.352E 00	1.363E 00	1.385E 00	1.417E 00	1.460E 00	1.544E 00	1.582E 00	1.664E 00
1.01E -04----5.33E -04	6.131E 01	6.141E 01	6.178E 01	6.250E 01	6.353E 01	6.489E 01	6.677E 01	6.859E 01	7.093E 01
2.90E -05----1.01E -04	2.184E 02	2.187E 02	2.197E 02	2.217E 02	2.245E 02	2.281E 02	2.326E 02	2.378E 02	2.437E 02
1.07E -05----2.90E -05	5.512E 02	5.517E 02	5.539E 02	5.539E 02	5.715E 02	5.896E 02	5.911E 02	6.028E 02	6.136E 02
3.06E -06----1.07E -05	1.272E 03	1.273E 03	1.277E 03	1.285E 03	1.296E 03	1.310E 03	1.347E 03	1.347E 03	1.368E 03
1.12E -06----3.06E -06	3.069E 03	3.071E 03	3.080E 03	3.096E 03	3.119E 03	3.149E 03	3.224E 03	3.267E 03	3.267E 03
4.14E -07----1.12E -06	6.144E 03	6.148E 03	6.163E 03	6.192E 03	6.233E 03	6.285E 03	6.446E 03	6.491E 03	6.491E 03
0.0	-4.14E -07	8.236E 03	8.241E 03	8.259E 03	8.294E 03	8.341E 03	8.400E 03	8.545E 03	8.627E 03
1.22E 01----1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01----1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00----1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00----8.19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E 00----6.36E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.01E 00----4.97E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.46E 00----3.01E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.35E 00----2.46E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.82E 00----2.35E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E 00----1.83E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.50E -01----1.11E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E -01----5.50E -01	3.919E 00	3.039E 00	3.491E 00	3.854E 00	5.066E 00	4.831E 00	9.413E 00	1.865E 01	4.179E 01
3.25E -02----1.11E -01	1.785E 00	1.929E 00	2.019E 00	2.094E 00	2.274E 00	2.547E 00	2.733E 00	2.926E 00	2.282E 01
5.82E -04----3.35E -02	1.11E -01----5.83E -04	7.362E 01	7.666E 01	7.973E 01	8.274E 01	8.633E 01	9.016E 01	9.267E 01	9.286E 02
1.01E -04----5.83E -04	2.502E 02	2.571E 02	2.643E 02	2.712E 02	2.779E 02	2.840E 02	2.896E 02	3.134E 03	3.134E 03
2.90E -05----1.01E -04	6.155E 02	6.288E 02	6.421E 02	6.546E 02	6.662E 02	6.763E 02	6.872E 02	7.696E 03	7.696E 03
1.07E -05----2.90E -05	1.391E 03	1.414E 03	1.437E 03	1.459E 03	1.478E 03	1.494E 03	1.516E 03	1.511E 03	1.739E 04
3.06E -06----1.07E -05	3.131E 03	3.360E 03	3.405E 03	3.447E 03	3.484E 03	3.516E 03	3.538E 03	3.549E 03	4.143E 04
1.12E -06----3.06E -06	6.571E 03	6.631E 03	6.729E 03	6.800E 03	6.863E 03	6.916E 03	6.953E 03	6.971E 03	8.220E 04
4.14E -07----1.12E -06	8.713E 03	8.800E 03	8.885E 03	8.963E 03	9.031E 03	9.087E 03	9.141E 03	9.145E 03	1.091E 05

4 PI R**4 FLUENCE AT 150.0 METERS

0.00335 TO 0.111 MEV NEUTRON SOURCE

(NEUTRONS/MEV/STERADIANT/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=1.00000	ANGLE 2 MU=-0.9854	ANGLE 3 MU=-0.9446	ANGLE 4 MU=-0.8656	ANGLE 5 MU=-0.7550	ANGLE 6 MU=-0.6179	ANGLE 7 MU=-0.4580	ANGLE 8 MU=-0.2816	ANGLE 9 MU=-0.0950
1.22E 01----1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01----1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.19E 00----1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00----8.19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E 00----6.26E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.01E 00----4.97E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.46E 00----3.01E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.35E 00----2.46E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.83E 00----2.35E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E 00----1.83E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.50E 01----1.11E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.35E 02----1.11E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.83E 04----3.35E 02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.01E 04----5.83E 04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.90E 05----1.01E 04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.07E 05----2.90E 05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.06E 06----1.07E 05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.12E 06----3.06E 06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.14E 07----1.12E 06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	-4.14E 07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ENERGY GROUP (MEV)	ANGLE 10 MU= 0.0950	ANGLE 11 MU= 0.2816	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 SCALAR FLUX MU= 0.9894	0.0
1.22E 01----1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01----1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.19E 00----1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00----8.19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E 00----6.36E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.01E 00----4.97E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.46E 00----3.01E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.35E 00----2.46E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.83E 00----2.35E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E 00----1.83E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.50E 01----1.11E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E 01----5.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.35E 02----1.11E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.83E 04----3.35E 02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.01E 04----5.83E 04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.90E 05----1.01E 04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.07E 05----2.90E 05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.06E 06----1.07E 05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.12E 06----3.06E 06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.14E 07----1.12E 06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	-4.14E 07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

4 PI R**2 FLUENCE AT 200.0 METERS

3.00335 TO 0.111 MEV NEUTRON SOURCE

(NEUTRONS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=-1.0000	ANGLE 2 MU=-0.9894	ANGLE 3 MU=0.9446	ANGLE 4 MU=-0.8656	ANGLE 5 MU=-0.7550	ANGLE 6 MU=-0.6179	ANGLE 7 MU=-0.4580	ANGLE 8 MU=-0.2816	ANGLE 9 MU=-0.0950
1.22E 01----1.50E 01	0.0	C.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01----1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00----1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00----8.19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.07E 00----6.36E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.07E 00----4.97E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.46E 00----3.01E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.35E 00----2.46E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.83E 00----2.35E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E 00----1.83E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.50E-01----1.11E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E-01----5.50E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.35E-02----1.11E-01	1.576E 00	1.581E 00	1.601E 00	1.633E 00	1.695E 00	1.771E 00	1.871E 00	1.996E 00	2.151E 00
5.83E-04----3.35E-02	1.856E 00	1.869E 00	1.878E 00	1.912E 00	1.962E 00	2.028E 00	2.113E 00	2.215E 00	2.335E 00
1.01E-04----5.83E-04	2.223E 02	2.225E 02	2.235E 02	2.255E 02	2.283E 02	2.320E 02	2.366E 02	2.422E 02	2.487E 02
2.90E-05----1.01E-04	5.410E 02	5.410E 02	5.450E 02	5.527E 02	5.635E 02	5.779E 02	5.957E 02	6.168E 02	6.413E 02
1.07E-05----2.90E-05	1.569E 03	1.572E 03	1.583E 03	1.603E 03	1.632E 03	1.670E 03	1.717E 03	1.773E 03	1.836E 03
3.06E-06----1.07E-05	4.121E 03	4.127E 03	4.153E 03	4.201E 03	4.270E 03	4.359E 03	4.468E 03	4.597E 03	4.743E 03
1.12E-06----3.06E-06	1.080E 04	1.082E 04	1.088E 04	1.100E 04	1.116E 04	1.137E 04	1.163E 04	1.194E 04	1.228E 04
4.14E-07----1.12E-06	2.308E 04	2.311E 04	2.323E 04	2.346E 04	2.378E 04	2.420E 04	2.471E 04	2.530E 04	2.596E 04
0.0	3.285E 04	3.289E 04	3.305E 04	3.334E 04	3.374E 04	3.425E 04	3.486E 04	3.557E 04	3.636E 04
ENERGY GROUP (MEV)	ANGLE 10 MU= 0.0920	ANGLE 11 MU= 0.2816	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9894	SCALAR FLUX
1.22E 01----1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01----1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00----1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00----8.19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E 00----6.36E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.07E 00----4.97E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.01E 00----4.07E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.46E 00----3.01E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.35E 00----2.46E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.83E 00----2.35E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E 00----1.83E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.50E-01----1.11E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E-01----5.50E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.35E-02----1.11E-01	2.140E 00	2.526E 00	3.085E 00	2.914E 00	3.864E 00	3.934E 00	4.918E 00	5.871E 00	3.155E 01
5.83E-04----3.35E-02	2.086E 00	2.895E 00	2.677E 00	3.176E 00	3.188E 00	3.198E 00	3.560E 00	3.683E 00	3.902E 00
1.01E-04----5.83E-04	1.559E 02	1.649E 02	1.736E 02	1.835E 02	1.930E 02	2.022E 02	2.099E 02	2.150E 02	2.197E 03
2.90E-05----1.01E-04	6.687E 02	6.992E 02	7.310E 02	7.639E 02	7.957E 02	8.246E 02	8.477E 02	8.642E 02	8.812E 03
1.07E-05----2.90E-05	1.907E 03	1.984E 03	2.064E 03	2.144E 03	2.221E 03	2.289E 03	2.342E 03	2.392E 03	2.374E 03
3.06E-06----1.07E-05	4.902E 03	5.074E 03	5.250E 03	5.424E 03	5.586E 03	5.727E 03	5.834E 03	5.898E 03	6.137E 04
1.12E-06----3.06E-06	1.265E 04	1.305E 04	1.345E 04	1.384E 04	1.420E 04	1.451E 04	1.475E 04	1.498E 04	1.582E 05
4.14E-07----1.12E-06	2.668E 04	2.743E 04	2.819E 04	2.893E 04	2.966E 04	3.017E 04	3.059E 04	3.084E 04	3.335E 05
0.0	3.722E 04	3.810E 04	3.900E 04	3.988E 04	4.064E 04	4.175E 04	4.202E 04	4.651E 05	

4 PI R**2 FLUENCE AT 300.0 METERS

0.00335 TO 0.111 MEV NEUTRON SOURCE

(NEUTRONS/MEV/STERADIANT/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU= 1.0000	ANGLE 2 MU= 0.9894	ANGLE 3 MU= 0.9446	ANGLE 4 MU= -0.8856	ANGLE 5 MU= -0.7550	ANGLE 6 MU= -0.6179	ANGLE 7 MU= -0.4580	ANGLE 8 MU= -0.2816	ANGLE 9 MU= -0.0950
1.22E 01---1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01---1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00---1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00---8.19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E 00---6.36E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.07E 00---4.97E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.01E 00---4.07E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.46E 00---3.01E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.35E 00---2.46E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.84E 00---2.35E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.17E 00---1.84E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.50E -01---1.17E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E -01---5.50E -01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.35E -02---1.11E -01	9.919E -01	9.949E -01	1.007E 00	1.031E 00	1.066E 00	1.113E 00	1.174E 00	1.250E 00	1.344E 00
5.83E -04---3.35E -02	1.281E 00	1.284E 00	1.297E 00	1.321E 00	1.356E 00	1.403E 00	1.463E 00	1.536E 00	1.624E 00
1.01E -04---5.83E -04	9.536E 01	9.644E 01	9.806E 01	1.004E 02	1.045E 02	1.074E 02	1.121E 02	1.176E 02	1.231E 02
2.90E -05---1.01E -04	4.598E 02	4.637E 02	4.709E 02	4.812E 02	4.948E 02	5.118E 02	5.321E 02	5.558E 02	5.821E 02
1.07E -05---2.90E -05	1.429E 03	1.440E 03	1.461E 03	1.492E 03	1.532E 03	1.582E 03	1.641E 03	1.709E 03	1.777E 03
3.06E -06---1.07E -05	4.036E 03	4.045E 03	4.075E 03	4.132E 03	4.212E 03	4.317E 03	4.447E 03	4.600E 03	4.776E 03
1.12E -06---3.06E -06	1.118E 04	1.120E 04	1.127E 04	1.142E 04	1.163E 04	1.190E 04	1.224E 04	1.263E 04	1.308E 04
4.14E -07---1.12E -06	2.503E 04	2.507E 04	2.524E 04	2.555E 04	2.599E 04	2.656E 04	2.726E 04	2.808E 04	2.902E 04
0.0	-4.14E -07	3.735E 04	3.740E 04	3.762E 04	3.803E 04	3.860E 04	3.934E 04	4.130E 04	4.249E 04
ENERGY GROUP (MEV)	ANGLE 10 MU= 0.0950	ANGLE 11 MU= 0.2816	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9894	SCALAR FLUX
1.22E 01---1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01---1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00---1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00---8.19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E 00---6.36E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.07E 00---4.97E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.01E 00---4.07E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.46E 00---3.01E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.35E 00---2.46E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.83E 00---2.35E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E 00---1.83E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.50E -01---1.11E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E -01---5.50E -01	1.556E 00	1.530E 00	1.791E 00	1.897E 00	2.169E 00	2.356E 00	2.637E 00	2.883E 00	3.927E 01
3.35E -02---1.11E -01	1.556E 00	1.530E 00	1.791E 00	1.897E 00	2.169E 00	2.356E 00	2.637E 00	2.883E 00	3.927E 01
5.83E -04---3.35E -02	1.955E 00	1.707E 00	2.377E 00	2.025E 00	2.388E 00	2.025E 00	2.517E 00	2.560E 00	2.212E 01
1.01E -04---5.83E -04	1.240E 02	1.308E 02	1.386E 02	1.464E 02	1.545E 02	1.618E 02	1.679E 02	1.717E 02	1.567E 03
2.90E -05---1.01E -04	5.826E 02	6.117E 02	6.432E 02	6.753E 02	7.066E 02	7.349E 02	7.575E 02	7.713E 02	7.333E 03
1.07E -05---2.90E -05	1.786E 03	1.870E 03	1.959E 03	2.048E 03	2.135E 03	2.212E 03	2.272E 03	2.308E 03	2.244E 04
3.06E -06---1.07E -05	5.184E 03	5.495E 03	5.627E 03	5.836E 03	6.020E 03	6.163E 03	6.247E 03	6.235E 04	6.235E 04
1.12E -06---3.06E -06	1.358E 04	1.411E 04	1.521E 04	1.572E 04	1.617E 04	1.651E 04	1.671E 04	1.700E 05	1.700E 05
4.14E -07---1.12E -06	3.005E 04	3.114E 04	3.227E 04	3.337E 04	3.444E 04	3.529E 04	3.596E 04	3.636E 04	3.759E 05
0.0	-4.14E -07	4.379E 04	4.517E 04	4.659E 04	4.797E 04	4.924E 04	5.032E 04	5.113F 04	5.160E 04

4 PI R**2 FLUENCE AT 400.0 METERS

0.00335 TO 0.111 MEV NEUTRON SOURCE

(NEUTRONS/MEV/STERADIANT/SOURCE NEUTRON)									
ENERGY GROUP (MEV)	ANGLE 1 MU=1.0000	ANGLE 2 MU=-0.9894	ANGLE 3 MU=-0.9446	ANGLE 4 MU=-0.8656	ANGLE 5 MU=-0.7550	ANGLE 6 MU=-0.6179	ANGLE 7 MU=-0.4580	ANGLE 8 MU=-0.2816	ANGLE 9 MU=-0.0950
1.22E 01----1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01----1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00----1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00----8.19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E 00----6.36E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.07E 00----4.97E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.01E 00----4.07E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.46E 00----3.01E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.35E 00----2.46E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.83E 00----2.35E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E 00----1.83E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.50E-01----1.11E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E-01----5.50E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.35E-02----1.11E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.83E-04----3.35E-02	7.348E-01	7.366E-01	7.440E-01	7.557E-01	5.586E-01	5.875E-01	6.131E-01	6.458E-01	6.7361E-01
1.01E-04----5.83E-04	5.857E-01	5.912E-01	6.015E-01	6.162E-01	6.358E-01	7.780E-01	8.048E-01	8.384E-01	8.793E-01
2.90E-05----1.01E-04	2.954E-02	2.961E-02	2.987E-02	3.035E-02	3.105E-02	3.198E-02	3.313E-02	3.451E-02	3.612E-02
1.07E-05----2.90E-05	9.588E-02	9.670E-02	9.733E-02	1.004E-02	1.046E-03	1.096E-03	1.142E-03	1.162E-03	1.182E-03
3.06E-06----1.07E-05	2.854E-03	2.860E-03	2.883E-03	2.926E-03	2.988E-03	3.070E-03	3.170E-03	3.291E-03	3.429E-03
1.12E-06----3.06E-06	8.220E-03	8.235E-03	8.299E-03	8.418E-03	8.588E-03	8.811E-03	9.086E-03	9.413E-03	9.788E-03
4.14E-07----1.12E-06	1.910E-04	1.913E-04	1.927E-04	1.954E-04	1.991E-04	2.102E-04	2.174E-04	2.256E-04	2.428E-04
0.0 ----4.14E-07	2.960E-04	2.964E-04	2.984E-04	3.020E-04	3.072E-04	3.139E-04	3.221E-04	3.318E-04	3.428E-04
ENERGY GROUP (MEV)	ANGLE 10 MU= 0.0950	ANGLE 11 MU= 0.2816	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8856	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9894	SCALAR FLUX
1.22E 01----1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01----1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00----1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00----8.19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E 00----6.36E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.01E 00----4.97E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.46E 00----3.01E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.35E 00----2.46E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.83E 00----2.35E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E 00----1.83E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.50E-01----1.11E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11F-01----5.50E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.35E-02----1.11E-01	7.669E-01	9.373E-01	1.049E-01	1.135E-00	1.251E-00	1.352E-00	1.394E-00	1.431E-00	1.435E-01
5.82E-04----3.35E-02	8.988E-01	1.069E-01	1.214E-00	1.235E-00	1.255E-00	1.275E-00	1.294E-00	1.443E-00	1.244E-01
1.01E-04----5.83E-04	7.640E-01	8.086E-01	8.557E-01	9.056E-01	9.552E-01	9.992E-01	1.035E-01	1.058E-02	9.655E-02
2.9CE-05----1.01E-04	3.793E-02	3.094E-02	4.208E-02	4.427E-02	4.660E-02	4.832E-02	4.984E-02	5.077E-02	4.777E-03
1.07E-05----2.90E-05	1.217E-03	1.279E-03	1.344E-03	1.410E-03	1.474E-03	1.531E-03	1.575E-03	1.602E-03	1.531E-04
3.06E-06----1.07E-05	3.584E-03	3.752E-03	3.929E-03	4.108E-03	4.278E-03	4.428E-03	4.544E-03	4.614E-03	4.499E-04
1.12E-06----3.06E-06	1.212E-04	1.066E-04	1.113E-04	1.160E-04	1.204E-04	1.273E-04	1.323E-04	1.291E-04	1.280E-05
4.14E-07----1.12E-06	2.347E-04	2.644E-04	2.546E-04	2.742E-04	2.886E-04	2.925E-04	2.940E-04	2.940E-05	2.940E-05
0.0 ----4.14E-07	3.550E-04	3.680E-04	3.815E-04	3.948E-04	4.072E-04	4.179E-04	4.307E-04	4.445E-05	4.445E-05

4 PI R**2 FLUENCE AT 500.0 METERS

0.00335 TO 0.111 MEV NEUTRON SOURCE

(NEUTRONS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU= 1.0000	ANGLE 2 MU= -0.9894	ANGLE 3 MU= -0.9446	ANGLE 4 MU= -0.8656	ANGLE 5 MU= -0.7550	ANGLE 6 MU= -0.6179	ANGLE 7 MU= -0.4580	ANGLE 8 MU= -0.2816	ANGLE 9 MU= -0.0950
1.22E 01---1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01---1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00---1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00---8.19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E 00---6.36E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.07E 00---4.97E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.01E 00---4.07E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.46E 00---3.01E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.35E 00---2.46E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.83E 00---2.35E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11F 00---1.83E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.50E -01---1.11E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E -01---5.50E -01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.35E -02---1.11E -01	2.816E -01	2.824E -01	2.859E -01	2.925E -01	3.021E -01	3.152E -01	3.318E -01	3.525E -01	3.775E -01
5.83E -04---3.35E -02	3.850E -01	3.959E -01	3.898E -01	3.971E -01	4.076E -01	4.216E -01	4.392E -01	4.607E -01	4.862E -01
1.01E -04---5.83E -04	3.170E -01	3.177E -01	3.207E -01	3.263E -01	3.344E -01	3.452E -01	3.586E -01	3.937E -01	3.937E -01
2.90E -05---1.01E -04	1.643E -02	1.652E -02	1.667E -02	1.694E -02	1.734E -02	1.781E -02	1.853E -02	1.932E -02	2.023E -02
1.07E -05---2.90E -05	5.468E -02	5.485E -02	5.536E -02	5.624E -02	5.753E -02	5.955E -02	6.137E -02	6.392E -02	6.687E -02
3.06E -06---1.07E -05	1.90E -03	1.63E -03	1.700E -03	1.734E -03	1.773E -03	1.823E -03	1.886E -03	1.961E -03	2.048E -03
1.12E -06---3.06E -06	5.001E -03	5.010E -03	5.052E -03	5.128E -03	5.382E -03	5.560E -03	5.772E -03	6.017E -03	6.426E -04
4.14E -07---1.12E -06	1.193E -04	1.195E -04	1.205E -04	1.222E -04	1.247E -04	1.281E -04	1.321E -04	1.370E -04	1.426E -04
0.0	-4.14E -07	1.903E -04	1.906E -04	1.919E -04	1.944E -04	1.979E -04	2.026E -04	2.083E -04	2.229E -04
ENERGY GROUP (MEV)	ANGLE 10 MU= 0.0950	ANGLE 11 MU= 0.2816	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9894	SCALAR FLUX
1.22E 01---1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01---1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00---1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00---8.19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E 00---6.36E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.07E 00---4.97E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.01E 00---4.07E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.46E 00---3.01E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.35E 00---2.46E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.83E 00---2.35E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E 00---1.83E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.50E -01---1.11E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E -01---5.50E -01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.35E -02---1.11E -01	4.130E -01	4.391E -01	4.833E -01	5.243E -01	5.739E -01	6.197E -01	6.639E -01	6.939E -01	5.274E 00
5.83E -04---3.35E -02	5.375E -01	5.883E -01	6.154E -01	6.602E -01	6.894E -01	7.214E -01	7.369E -01	6.543E 00	6.543E 00
1.01E -04---5.83E -04	4.152E -01	4.392E -01	4.650E -01	4.916E -01	5.177E -01	5.415E -01	5.604E -01	5.721E -01	5.241E 02
2.90E -05---1.01E -04	2.127E -02	2.241F -02	2.363E -02	2.488E -02	2.609E -02	2.717E -02	2.805E -02	2.854E -02	2.678E 03
1.07E -05---2.90E -05	7.020E -02	7.385E -02	7.773E -02	8.168E -02	8.547E -02	9.151E -02	9.311E -02	9.829E -03	9.829E -03
3.06E -06---1.07E -05	2.145E -03	2.251E -03	2.363E -03	2.476E -03	2.583E -03	2.679E -03	2.753E -03	2.797E -03	2.694E 04
1.12F -06---3.06E -06	6.290E -03	6.585E -03	6.897E -03	7.209E -03	7.505E -03	7.766E -03	7.967E -03	8.086E -03	7.892E 04
4.14E -07---1.12E -06	1.488E -04	1.555E -04	1.625E -04	1.694E -04	1.760E -04	1.818E -04	1.862E -04	1.889E -04	1.865E 05
0.0	-4.14E -07	2.315E -04	2.408E -04	2.504E -04	2.600E -04	2.690E -04	2.788E -04	2.828E -04	2.863E -04

4.PI R**2 FLUENCE AT 600.0 METERS

0.000335 TO 0.111 MEV NEUTRON SOURCE

(NEUTRONS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=-1.00000	ANGLE 2 MU=-0.9994	ANGLE 3 MU=-0.9446	ANGLE 4 MU=-0.8656	ANGLE 5 MU=-0.7550	ANGLE 6 MU=-0.6179	ANGLE 7 MU=-0.4580	ANGLE 8 MU=-0.2816	ANGLE 9 MU=-0.0950
1.22E 01---1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01---1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00---1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00---8.19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E 00---6.36E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.07E 00---4.97E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.01E 00---4.07E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.46E 00---3.01E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.83E 00---2.35E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E 00---1.83E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.50E-01---1.11E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E-01---5.50E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.35E-01---1.11E-01	1.38E-01	1.39E-01	1.39E-01						
5.83E-04---3.35E-02	1.90E-01	1.90E-01							
1.01E-04---5.83E-04	2.49E-01	2.49E-01							
1.07E-05---2.90E-05	3.67E-02	3.67E-02							
3.06E-06---1.07E-05	1.15E-03	1.208E-03	1.208E-03						
1.12E-06---3.06E-06	3.43E-03	3.605E-03	3.605E-03						
4.14E-07---1.12E-06	6.591E-03	6.604E-03	6.604E-03						
0.0	-4.14E-07	1.073E-04	1.075E-04	1.075E-04	1.075E-04	1.075E-04	1.075E-04	1.075E-04	1.075E-04
ENERGY GROUP (MEV)	ANGLE 10 MU= 0.0950	ANGLE 11 MU= 0.2816	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9894	SCALAR FLUX
1.22E 01---1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01---1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00---1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00---8.19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E 00---6.36E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.07E 00---4.97E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.01E 00---4.07E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.46E 00---3.01E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.35E 00---2.46E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.83E 00---2.35E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E 00---1.83E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.50E-01---1.11E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E-01---5.50E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.35E-02---1.11E-01	1.987E-01	2.166E-01	2.448E-01	2.558E-01	2.773E-01	2.988E-01	3.173E-01	3.299E-01	3.571E 00
5.83E-04---3.35E-02	2.494E-01	2.722E-01	2.863E-01	3.061E-01	3.227E-01	3.395E-01	3.519E-01	3.603E-01	3.215E 00
1.01E-04---5.83E-04	2.100E-01	2.220E-01	2.348E-01	2.481E-01	2.610E-01	2.727E-01	2.919E-01	2.875E-01	2.647E 02
2.90E-05---1.01E-04	1.095E-02	1.154E-02	1.227E-02	1.281E-02	1.343E-02	1.398E-02	1.441E-02	1.467E 02	1.379E 03
1.07E-05---2.90E-05	3.67E-02	3.861E-02	4.073E-02	4.281E-02	4.482E-02	4.660E-02	4.799E-02	4.883E-02	4.620E 03
3.06E-06---1.07E-05	1.150E-03	1.208E-03	1.269E-03	1.331E-03	1.391E-03	1.443E-03	1.484E-03	1.508E-03	1.444E 04
1.12E-06---3.06E-06	3.438E-03	3.605E-03	3.781E-03	3.959E-03	4.127E-03	4.275E-03	4.389E-03	4.558E-03	4.315E 04
4.14E-07---1.12E-06	8.291E-03	9.089E-03	9.498E-03	9.885E-03	1.022E-03	1.048E-03	1.064E-03	1.066E-03	1.046E 05
0.0	-4.14E-07	1.317E-04	1.373E-04	1.431E-04	1.488E-04	1.543E-04	1.590E-04	1.627E-04	1.651E 05

4 PI R**2 FLUENCE AT 900.0 METERS

0.00335 TO 0.111 MEV NEUTRON SOURCE

(NEUTRONS/MEV/STERADIANSOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=1.0000	ANGLE 2 MU=-0.9894	ANGLE 3 MU=-0.9446	ANGLE 4 MU=-0.8656	ANGLE 5 MU=-0.7550	ANGLE 6 MU=-0.6179	ANGLE 7 MU=-0.4580	ANGLE 8 MU=-0.2816	ANGLE 9 MU=-0.0950
1.22E-01----1.50E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E-01----1.22E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E-00----1.00E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E-00----8.19E-00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E-00----6.36E-00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.07E-00----4.97E-00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.01E-00----4.07E-00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.46E-00----3.01E-00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.35E-00----2.46E-00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.83E-00----2.35E-00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E-00----1.83E-00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.50E-01----1.11E-00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E-01----5.50E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.35E-02----1.11E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.83E-04----3.35E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.01E-04----5.83E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.90E-05----1.01E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.07E-05----2.90E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.06E-06----1.07E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.12E-06----3.06E-06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.14E-07----1.12E-06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	-4.14E-07	1.286E-03	1.289E-03	1.299E-03	1.317E-03	1.343E-03	1.377E-03	1.420E-03	1.529E-03
ENERGY GROUP (MEV)	ANGLE 10 MU= 0.0950	ANGLE 11 MU= 0.2816	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9894	SCALAR FLUX
1.22E-01----1.50E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E-01----1.22E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.19E-00----1.00E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E-00----8.19E-00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E-00----6.36E-00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.07E-00----4.97E-00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.01E-00----4.07E-00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.46E-00----3.01E-00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.35E-00----2.46E-00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.83E-00----2.35E-00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E-00----1.83E-00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.50E-01----1.11E-00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E-01----5.50E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.35E-02----1.11E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.83E-04----3.35E-02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.01E-04----5.83E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.90E-05----1.01E-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.07E-05----2.90E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.06E-06----1.07E-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.12E-06----3.06E-06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.14E-07----1.12E-06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	-4.14E-07	1.594E-03	1.665E-03	1.738E-03	1.812E-03	1.881E-03	1.942E-03	1.989E-03	2.016E-03

4 PI R**2 FLUENCE AT 1200.0 METERS

0.00335 TO 0.111 MEV NEUTRON SOURCE

(NEUTRONS/MEV/STERADIANSOURCE NEUTRON)									
ENERGY GROUP (MEV)	ANGLE 1 MU=-1.0000	ANGLE 2 MU=-0.5894	ANGLE 3 MU=-0.9446	ANGLE 4 MU=-0.8656	ANGLE 5 MU=-0.7550	ANGLE 6 MU=-0.6179	ANGLE 7 MU=-0.4580	ANGLE 8 MU=-0.2816	ANGLE 9 MU=-0.0950
1.22E 01----1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01----1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00----1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00----8.19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E 00----6.36E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.01E 00----4.97E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.46E 00----3.01E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.35E 00----2.46E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.83E 00----2.35E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E 00----1.83E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.50E 01----1.11E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E 01----5.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.35E 02----1.11E 01	1.290E-03	1.704E-03	1.310E-03	1.339E-03	1.382E-03	1.440E-03	1.113E-03	1.603E-03	1.70E-03
5.83E 04----3.35E-02	1.789E-03	1.785E-03	1.807E-03	1.829E-03	1.887E-03	1.949E-03	1.920E-03	2.027E-03	2.229E-03
1.01E 06----5.33E-04	1.529E-01	1.533E-01	1.547E-01	1.574E-01	1.612E-01	1.663E-01	1.726E-01	1.802E-01	1.899E-01
2.90E 05----1.01E-04	8.250E-01	8.325E-01	8.463E-01	8.662E-01	8.925E-01	9.250E-01	9.639E-01	1.009E-00	1.009E-00
1.07E 05----2.90E-05	2.854E-00	2.834E-00	2.859E-00	2.906E-00	2.974E-00	3.064E-00	3.174E-00	3.306E-00	3.456E-00
3.06E 06----1.07E-05	9.196E-00	9.215E-00	9.297E-00	9.448E-00	9.664E-00	9.950E-00	1.030E-00	1.072E-00	1.121E-01
1.12E 06----3.06E-06	2.846E-01	2.852E-01	2.877E-01	2.923E-01	2.988E-01	3.075E-01	3.182E-01	3.310E-01	3.456E-01
6.14E 07----1.12E-06	7.116E-01	7.130E-01	7.192E-01	7.304E-01	7.465E-01	7.678E-01	7.904E-01	8.253E-01	8.612E-01
0.0	-4.14E-07	1.198E-02	1.210E-02	1.226E-02	1.251E-02	1.283E-02	1.323E-02	1.370E-02	1.424E-02
ENERGY GROUP (MEV)	ANGLE 10 MU= 0.0950	ANGLE 11 MU= 0.2816	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9894	SCALAR FLUX
1.22E 01----1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01----1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00----1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00----8.19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E 00----6.36E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.07E 00----4.97E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.01E 00----4.07E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.46E 00----3.01E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.35E 00----2.46E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.83E 00----2.35E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E 00----1.83E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.50E 01----1.11E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E 01----5.50E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.35E 02----1.11E-01	1.977E-03	2.134E-03	2.302E-03	2.470E-03	2.627E-03	2.755E-03	2.834E-03	2.940E-03	2.96E-02
5.83E 04----3.35E-02	2.489E-03	2.633E-03	2.781E-03	2.922E-03	3.049E-03	3.17E-03	3.205E-03	3.205E-03	3.205E-03
1.01E 04----5.83E-04	1.988E-01	2.095E-01	2.324E-01	2.433E-01	2.530E-01	2.604E-01	2.649E-01	2.697E-01	2.697E-01
2.90E 05----1.01E-04	1.059E-00	1.114E-00	1.171E-00	1.229E-00	1.332E-00	1.369E-00	1.391E-00	1.329E-00	1.329E-00
1.07E 06----2.90E-05	3.630E-00	4.010F-00	4.206E-00	4.391E-00	4.554E-00	4.678E-00	4.753E-00	4.555E-00	4.555E-00
3.06E 06----1.07E-05	1.175E-01	1.234E-01	1.296E-01	1.358E-01	1.416E-01	1.467E-01	1.520E-01	1.471E-02	1.471E-02
1.12E 06----3.06E-06	3.620E-01	3.797E-01	3.983E-01	4.169E-01	4.344E-01	4.613E-01	4.833E-01	4.539E-02	4.539E-02
4.14E 07----1.12E-06	9.013E-01	9.446E-01	9.898E-01	1.035E-02	1.078E-02	1.143E-02	1.160E-02	1.139E-03	1.139E-03
0.0	-4.14E-07	1.484E-02	1.550E-02	1.617E-02	1.685E-02	1.748E-02	1.804E-02	1.871E-02	1.861E-03

4 PI R**2 FLUENCE AT 1500.0 METERS

0.00335 TO 0.111 MEV NEUTRON SOURCE

(NEUTRONS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU= -1.0000	ANGLE 2 MU= 0.9894	ANGLE 3 MU= -0.9446	ANGLE 4 MU= -0.8656	ANGLE 5 MU= -0.7550	ANGLE 6 MU= -0.6179	ANGLE 7 MU= -0.4580	ANGLE 8 MU= -0.2816	ANGLE 9 MU= -0.0950
1.22E 01----1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01----1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00----1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00----8.19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E 00----6.36E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.07E 00----4.97E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.01E 00----4.07E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.46E 00----3.01E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.35E 00----2.46E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.83E 00----2.35E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E 00----1.83E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.50E -01----1.11E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E -01----5.50E -01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.35E -02----1.11E -01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.83E -04----3.35E -02	1.514E -04	1.518E -04	1.113E -04	1.137E -04	1.174E -04	1.222E -04	1.284E -04	1.359E -04	1.449E -04
1.01E -04----5.83E -04	2.297E -02	1.300E -02	1.312E -02	1.335E -02	1.560E -04	1.600E -04	1.652E -04	1.718E -04	1.887E -04
2.90E -05----1.01E -05	6.984E -02	6.909F -02	7.063E -02	7.179E -02	7.346E -02	7.567E -02	7.836E -02	8.166E -02	8.540E -02
1.07E -05----2.90E -05	2.399E -01	2.405E -01	2.426E -01	2.466E -01	2.523E -01	2.598E -01	2.691E -01	2.802E -01	2.929E -01
3.06E -06----1.07E -05	7.898E -01	7.894E -01	8.021E -01	8.203E -01	8.444E -01	8.740E -01	9.05E -01	9.740E -01	1.05E -01
1.12E -06----3.06E -06	2.418E 00	2.423E 00	2.444E 00	2.483E 00	2.538E 00	2.611E 00	2.701E 00	2.808E 00	2.931E 00
4.14E -07----1.12E -06	6.050E 00	6.062E 00	6.114E 00	6.209E 00	6.346E 00	6.525E 00	6.746E 00	7.009E 00	7.310E 00
0.0	-4.14E -07	1.019E 01	1.021E 01	1.029E 01	1.043E 01	1.064E 01	1.091E 01	1.125E 01	1.210E C1
ENERGY GROUP (MEV)	ANGLE 10 MU= 0.0950	ANGLE 11 MU= 0.2816	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9894	SCALAR FLUX
1.22E 01----1.50E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.00E 01----1.22E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.19E 00----1.00E 01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.36E 00----8.19E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.97E 00----6.36E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.07E 00----4.97E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.01E 00----4.07E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.46E 00----3.01E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.35E 00----2.46E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.83E 00----2.35E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E 00----1.83E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.50E -01----1.11E 00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.11E -01----5.50E -01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.35E -02----1.11E -01	1.554E -04	1.672E -04	1.803E -04	1.941E -04	2.344E -04	2.460E -04	2.563E -04	2.643E -04	2.707E -04
5.83E -04----3.35E -02	1.590E -04	2.103E -04	2.223E -04	2.344E -04	2.916E -02	2.049E -02	2.128E -02	2.187E -02	2.225E -02
1.01E -04----5.83E -04	1.681E -02	1.771E -02	1.865F -02	1.960E -02	1.037E -01	1.082E -01	1.121E -01	1.151E -01	1.198E -01
2.90E -05----1.01E -04	8.960E -02	9.415E -02	9.891E -02	1.037E -01	3.550E -01	3.838E -01	3.702F -01	3.931E -01	3.998E -01
1.07E -05----2.90E -05	3.072E -01	3.227F -01	3.388E -01	1.045E 00	1.147E 00	1.195E 00	1.237E 00	1.269E 00	1.288E 00
3.06E -06----1.07E -05	9.955E -01	1.045E 00	1.096E 00	3.217E 00	3.371E 00	3.522E 00	3.669E 00	3.891E 00	3.947E 00
1.12E -06----3.06E -06	3.069E 00	8.008E 00	8.385E 00	8.760E 00	9.112E 00	9.418E 00	9.651E 00	9.789E 00	9.580E 00
4.14E -07----1.12E -06	7.646E 00	1.261E 01	1.315E 01	1.372E 01	1.428E 01	1.481E 01	1.527E 01	1.582E 01	1.580E 02
0.0	-4.14E -07	1.261E 01	1.315E 01	1.372E 01	1.428E 01	1.481E 01	1.527E 01	1.582E 01	1.580E 02

4 PI R**2 FLUENC AT 1800.0 METERS

0.000335 TO 0.111 MEV NEUTRON SOURCE

4 PI R**2 FLUENCE AT 75.0 METERS

0.00335 TO 0.111 MEV NEUTRON SOURCE

(GAMMAS/MEV/STERADIANSOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
8.00E 00---1.00E 01	MU=-1.0000	MU=0.9894	MU=-0.8666	MU=-0.7550	MU=-0.6179	MU=-0.4580	MU=-0.2816	MU=-0.0950	MU=-0.6835-06
6.879E-06	6.896E-06	6.963E-06	7.093E-06	7.285E-06	7.541E-06	7.859E-06	8.240E-06	8.6835-06	8.6835-06
6.50E 00---8.00E 00	1.432E-05	1.355E-05	1.449E-05	1.476E-05	1.516E-05	1.635E-05	1.714E-05	1.805E-05	1.805E-05
5.00E 00---6.50E 00	1.634E-04	1.638E-04	1.653E-04	1.684E-04	1.728E-04	1.771E-04	1.861E-04	1.946E-04	2.051E-04
4.00E 00---5.00E 00	4.249E-05	4.260E-05	4.304E-05	4.590E-05	4.518E-05	4.686E-05	4.896E-05	5.147E-05	5.438E-05
3.00E 00---4.00E 00	7.796E-05	7.816E-05	7.892E-05	8.042E-05	8.263E-05	8.555E-05	8.919E-05	9.355E-05	9.859E-05
2.50E 00---3.00E 00	1.490E-05	1.496E-05	1.518E-05	1.561E-05	1.626E-05	1.722E-05	1.820E-05	1.951E-05	2.103E-05
2.00E 00---2.50E 00	1.688E-05	1.694E-05	1.718E-05	1.766E-05	1.837E-05	1.922E-05	2.051E-05	2.195E-05	2.363E-05
1.66E 00---2.00E 00	2.00E-05	1.973E-05	1.980E-05	2.007E-05	2.062E-05	2.143E-05	2.251E-05	2.387E-05	2.742E-05
1.33E 00---1.66E 00	2.370E-05	2.379E-05	2.411E-05	2.476E-05	2.572E-05	2.714E-05	2.860E-05	3.052E-05	3.275E-05
1.00E 00---1.33E 00	3.086E-05	3.097E-05	3.139E-05	3.223E-05	3.347E-05	3.110E-05	3.714E-05	3.956E-05	4.234E-05
8.00E-01---1.00E 00	4.184E-05	4.199E-05	4.256E-05	4.368E-05	4.532E-05	4.747E-05	5.012E-05	5.324E-05	5.678E-05
6.00E-01---8.00E-01	6.030E-05	6.050E-05	6.129E-05	6.292E-05	6.505E-05	6.795E-05	7.147E-05	7.555E-05	8.011E-05
4.00E-01---6.00E-01	2.600E-04	2.625E-04	2.655E-04	2.695E-04	2.721E-04	2.794E-04	2.881E-04	2.981E-04	3.091E-04
3.00E-01---4.00E-01	3.023E-04	3.028E-04	3.049E-04	3.050E-04	3.147E-04	3.219E-04	3.302E-04	3.395E-04	3.495E-04
2.00E-01---3.00E-01	6.002E-04	6.005E-04	6.017E-04	6.041E-04	6.075E-04	6.100E-04	6.174E-04	6.238E-04	6.310E-04
1.00E-01---2.00E-01	1.479E-03	1.479E-03	1.479E-03	1.486E-03	1.496E-03	1.508E-03	1.523E-03	1.540E-03	1.558E-03
5.00E-02---1.00E-01	3.360E-03	3.361E-03	3.367E-03	3.378E-03	3.394E-03	3.414E-03	3.437E-03	3.464E-03	3.492E-03
2.00E-02---5.00E-02	9.115E-04	9.124E-04	9.138E-04	9.157E-04	9.181E-04	9.209E-04	9.241E-04	9.274E-04	
ENERGY GROUP (MEV)	ANGLE 10	ANGLE 11	ANGLE 12	ANGLE 13	ANGLE 14	ANGLE 15	ANGLE 16	ANGLE 17	SCALAR FLUX
8.00E 00---1.00E 01	MU= 0.0950	MU= 0.2816	MU= 0.4580	MU= 0.6179	MU= 0.7550	MU= 0.8656	MU= 0.9446	MU= 0.9894	MU= 0.9894
6.50E 00---8.00E 00	9.190E-06	9.74E-06	1.077E-05	1.366E-05	2.357E-05	2.566E-05	2.544E-05	2.276E-05	1.153E-04
5.00E 00---5.00E 00	2.031E-05	2.145E-05	2.236E-05	2.530E-05	2.665E-04	2.833E-04	2.876E-04	2.873E-04	2.397E-05
4.00E 00---5.00E 00	2.168E-04	2.303E-04	2.430E-04	2.530E-04	2.624E-05	2.706E-05	2.799E-05	2.799E-05	2.720E-03
3.00E 00---4.00E 00	1.044E-04	1.104E-04	1.173E-04	1.224E-04	1.290E-04	1.370E-04	1.392E-04	1.392E-04	1.309E-03
2.50E 00---3.00E 00	2.276E-05	2.666E-05	2.800E-05	2.860E-05	3.051E-05	3.225E-05	3.340E-05	3.357E-05	2.860E-04
2.00E 00---2.50E 00	2.554E-05	2.762E-05	2.980E-05	3.193E-05	3.400E-05	3.581E-05	3.712E-05	3.731E-05	3.206E-04
1.66E 00---2.00E 00	2.958E-05	3.194E-05	3.438E-05	3.577E-05	3.905E-05	4.111E-05	4.272E-05	3.708E-05	3.708E-04
1.33E 00---1.66E 00	3.526E-05	3.794E-05	4.078E-05	4.330E-05	4.607E-05	4.837E-05	4.994E-05	5.020E-05	4.411E-04
1.00E 00---1.33E 00	4.543E-05	4.876E-05	5.215E-05	5.540E-05	5.842E-05	6.110E-05	6.292E-05	6.321E-05	5.665E-04
8.00E-01---1.00E 00	6.066E-05	6.477E-05	6.890E-05	7.278E-05	7.635E-05	7.999E-05	8.190E-05	8.190E-05	7.533E-04
6.00E-01---8.00E-01	8.502E-05	9.014E-05	9.517E-05	9.992E-05	1.040E-04	1.07E-04	1.101E-04	1.104E-04	1.052E-03
4.00E-01---6.00E-01	3.208E-04	3.328E-04	3.445E-04	3.553E-04	3.651E-04	3.736E-04	3.791E-04	3.798E-04	3.984E-03
3.00E-01---4.00E-01	3.598E-04	3.701E-04	3.800E-04	3.905E-04	3.968E-04	4.036E-04	4.080E-04	4.085E-04	4.465E-03
2.00E-01---3.00E-01	6.388E-04	6.470E-04	6.552E-04	6.629E-04	6.700E-04	6.791E-04	6.801E-04	6.808E-04	6.006E-03
1.00E-01---2.00E-01	1.578E-03	1.598E-03	1.617E-03	1.650E-03	1.694E-03	1.732E-03	1.772E-03	1.773E-03	1.974E-02
5.00E-02---1.00E-01	3.522E-03	3.552E-03	3.581E-03	3.607E-03	3.630E-03	3.669E-03	3.666E-03	3.665E-03	4.411E-02
2.00E-02---5.00E-02	9.309E-04	9.344E-04	9.377E-04	9.432E-04	9.432E-04	9.468E-04	9.473E-04	9.473E-04	1.168E-02

4 PI R**2 FLUENCE AT 150.0 METERS

0.00335 TO 0.111 MEV NEUTRON SOURCE

(GAMMAS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
8.00E 0----1.00E 01	MU=-0.9854	MU=-0.9446	MU=0.8656	MU=0.7550	MU=-0.6179	MU=-0.4580	MU=-0.2816	MU=0.0950	MU=0.566E-05
6.50E 0----8.00E 00	1.723E-05	1.757E-05	1.812E-05	1.894E-05	2.305E-05	2.152E-05	2.375E-05	2.566E-05	5.334E-05
5.00E 0----6.50E 00	3.587E-05	3.601E-05	3.722E-05	3.943E-05	4.176E-05	4.478E-05	4.861E-05	5.334E-05	6.055E-04
4.00E 0----5.00E 00	4.121E-04	4.186E-04	4.333E-04	4.504E-04	4.764E-04	5.102E-04	5.529E-04	6.055E-04	6.614E-04
3.00E 0----4.00E 00	1.052E-04	1.075E-04	1.113E-04	1.168E-04	1.243E-04	1.340E-04	1.462E-04	1.614E-04	1.614E-04
2.50E 0----3.00E 00	1.948E-04	1.956E-04	2.050E-04	2.148E-04	2.277E-04	2.445E-04	2.657E-04	2.919E-04	2.919E-04
2.00E 0----2.50E 00	3.455E-05	3.573E-05	3.758E-05	4.039E-05	4.425E-05	4.936E-05	5.594E-05	6.428E-05	6.428E-05
1.66E 0----2.00E 00	4.697E-05	4.723E-05	4.832E-05	4.954E-05	5.094E-05	5.239E-05	5.463E-05	5.846E-05	6.463E-05
1.33E 0----1.66E 00	5.688E-05	5.720E-05	5.851E-05	6.118E-05	6.532E-05	7.118E-05	7.904E-05	8.920E-05	1.020E-04
1.00E 0----1.33E 00	7.451E-05	7.496E-05	7.680E-05	8.099E-05	8.612E-05	9.395E-05	1.043E-04	1.338E-04	1.750E-04
8.00E-01----1.00E 00	1.020E-04	1.054E-04	1.108E-04	1.188E-04	1.297E-04	1.438E-04	1.615E-04	1.829E-04	1.829E-04
6.00E-01----8.00E-01	1.518E-04	1.558E-04	1.638E-04	1.755E-04	1.912E-04	2.111E-04	2.354E-04	2.604E-04	2.604E-04
4.00E-01----6.00E-01	7.395E-04	7.422E-04	7.533E-04	7.720E-04	8.066E-04	8.489E-04	8.922E-04	9.595E-04	1.028E-03
3.00E-01----4.00E-01	8.960E-04	9.138E-04	9.403E-04	9.782E-04	1.025E-03	1.078E-03	1.120E-03	1.202E-03	1.271E-03
2.00E-01----3.00E-01	2.007E-03	2.015E-03	2.056E-03	2.043E-03	2.066E-03	2.095E-03	2.132E-03	2.175E-03	2.175E-03
1.00E-01----2.00E-01	4.997E-03	5.002E-03	5.024E-03	5.050E-03	5.125E-03	5.201E-03	5.294E-03	5.401E-03	5.522E-03
5.00E-02----1.00E-01	1.180E-02	1.185E-02	1.192E-02	1.195E-02	1.215E-02	1.231E-02	1.248E-02	1.268E-02	1.268E-02
2.00E-02----5.00E-02	3.282E-03	3.288E-03	3.297E-03	3.309E-03	3.325E-03	3.344E-03	3.366E-03	3.389E-03	3.389E-03
ENERGY GROUP (MEV)	ANGLE 10	ANGLE 11	ANGLE 12	ANGLE 13	ANGLE 14	ANGLE 15	ANGLE 16	ANGLE 17	SCALAR FLUX
8.00E 0----1.00E 01	MU= 0.0930	MU= 0.2816	MU= 0.4580	MU= 0.6179	MU= 0.7550	MU= 0.9446	MU= 0.9894	MU= 0.9894	3.736E-04
6.50E 0----8.00E 00	3.161E-05	3.551E-05	3.946E-05	4.406E-05	4.871E-05	5.214E-05	5.463E-05	5.463E-05	7.754E-04
5.00E 0----6.50E 00	6.574E-05	7.363E-05	8.276E-05	9.123E-05	1.008E-04	1.078E-04	1.130E-04	1.130E-04	1.300E-04
4.00E 0----5.00E 00	7.732E-04	8.303E-04	9.303E-04	1.013E-03	1.130E-03	1.264E-03	1.405E-03	1.405E-03	1.676E-03
3.00E 0----4.00E 00	2.015E-04	2.271E-04	2.566E-04	2.846E-04	3.155E-04	3.386E-04	3.549E-04	3.549E-04	3.717E-03
2.50E 0----3.00E 00	3.255E-04	4.041E-04	4.544E-04	5.011E-04	5.534E-04	5.919E-04	6.196E-04	6.196E-04	4.246E-03
2.00E 0----2.50E 00	7.464E-05	8.710E-05	1.018E-04	1.133E-04	1.253E-04	1.660E-04	1.660E-04	1.660E-04	1.009E-03
1.66E 0----2.00E 00	8.404E-05	9.784E-05	1.140E-04	1.320E-04	1.506E-04	1.684E-04	1.828E-04	1.914E-04	1.130E-03
1.33E 0----1.66E 00	9.787E-05	1.136E-04	1.318E-04	1.519E-04	1.723E-04	1.916E-04	2.069E-04	2.160E-04	1.307E-03
1.00E 0----1.33E 00	1.176E-04	1.379E-04	1.568E-04	1.795E-04	2.022E-04	2.233E-04	2.495E-04	1.555E-03	1.555E-03
8.00E 0----1.00E 00	2.081E-04	1.998E-03							
6.00E 0----8.00E 01	2.966E-04	3.317E-04	3.684E-04	4.098E-04	4.378E-04	4.664E-04	4.873E-04	5.046E-04	5.214E-03
4.00E 0----6.00E 01	1.03E-03	1.03E-03	1.182E-03	1.263E-03	1.342E-03	1.415E-03	1.478E-03	1.552E-03	1.552E-03
3.00E 0----4.00E 01	1.66E-03	1.66E-03	1.344E-03	1.400E-03	1.464E-03	1.522E-03	1.572E-03	1.609E-03	1.632E-03
2.00E 0----3.00E 01	2.28E-03	2.340E-03	2.400E-03	2.440E-03	2.457E-03	2.507E-03	2.545E-03	2.566E-03	2.801E-02
1.00E 0----2.00E 01	5.653E-03	5.790E-03	5.928E-03	6.063E-03	6.183E-03	6.286E-03	6.361E-03	6.404E-03	7.070E-02
5.00E 0----6.00E 01	1.289E-02	1.331E-02	1.331E-02	1.331E-02	1.331E-02	1.369E-02	1.384E-02	1.401E-02	1.612E-01
2.00E 0----5.00E 02	3.413E-03	3.462E-03	3.462E-03	3.462E-03	3.462E-03	3.520E-03	3.520E-03	3.520E-03	4.278E-02

4 PI R**2 FLUENCE AT 200.0 METERS

0.00335 TO 0.111 MEV NEUTRON SOURCE

(GAMMAS/MEV/SISTRADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU= -1.0000	ANGLE 2 MU= -0.9894	ANGLE 3 MU= -0.8656	ANGLE 4 MU= -0.7550	ANGLE 5 MU= -0.6179	ANGLE 6 MU= -0.4580	ANGLE 7 MU= -0.2816	ANGLE 8 MU= -0.0950	ANGLE 9 MU= -0.0465
8.00E 00---1.00E 01	2.140E-05	2.150E-05	2.192E-05	2.273E-05	2.397E-05	2.568E-05	2.796E-05	3.094E-05	3.476E-05
6.50E 00---8.50E 00	4.455E-05	4.477E-05	4.563E-05	4.734E-05	4.991E-05	5.347E-05	5.850E-05	6.435E-05	7.225E-05
5.00E 00---6.50E 00	5.107E-04	5.131E-04	5.228E-04	5.419E-04	5.707E-04	6.104E-04	6.632E-04	7.317E-04	8.195E-04
4.00E 00---5.00E 00	1.294E-04	1.302E-04	1.332E-04	1.389E-04	1.474E-04	1.590E-04	1.742E-04	1.940E-04	2.194E-04
3.00E 00---4.00E 00	2.427E-04	2.476E-04	2.476E-04	2.573E-04	2.718E-04	2.917E-04	3.180E-04	3.521E-04	3.960E-04
2.50E 00---3.00E 00	4.141E-05	4.286E-05	4.571E-05	5.000E-05	5.599E-05	6.410E-05	7.497E-05	8.939E-05	9.939E-05
2.00E 00---2.50E 00	4.829E-05	4.919E-05	4.969E-05	5.034E-05	5.703E-05	6.364E-05	7.264E-05	8.490E-05	9.012E-05
1.66E 00---2.00E 00	5.737E-05	5.771E-05	5.916E-05	6.224E-05	6.727E-05	7.477E-05	8.536E-05	9.972E-05	1.187E-04
1.33E 00---1.66E 00	6.981E-05	7.021E-05	7.197E-05	7.570E-05	8.181E-05	9.096E-05	1.038E-04	1.213E-04	1.441E-04
1.00E 00---1.33E 00	9.126E-05	9.190E-05	9.460E-05	1.001E-04	1.089E-04	1.215E-04	1.368E-04	1.619E-04	1.919E-04
8.00E-01---1.00E 00	1.248E-04	1.259E-04	1.303E-04	1.391E-04	1.522E-04	1.704E-04	1.938E-04	2.265E-04	2.667E-04
6.00E-01---8.00E-01	1.868E-04	1.885E-04	1.956E-04	2.092E-04	2.294E-04	2.568E-04	2.955E-04	3.378E-04	3.932E-04
4.00E-01---6.00E-01	1.012E-03	1.032E-03	1.070E-03	1.127E-03	1.203E-03	1.298E-03	1.412E-03	1.412E-03	1.544E-03
3.00E-01---4.00E-01	1.251E-03	1.288E-03	1.342E-03	1.418E-03	1.518E-03	1.618E-03	1.735E-03	1.859E-03	1.859E-03
2.00E-01---3.00E-01	3.070E-03	3.080E-03	3.099E-03	3.126E-03	3.165E-03	3.215E-03	3.280E-03	3.366E-03	3.366E-03
1.00E-01---2.00E-01	7.726E-03	7.768E-03	7.847E-03	7.959E-03	8.106E-03	8.285E-03	8.497E-03	8.737E-03	8.737E-03
5.00E-02---1.00E-01	1.873E-02	1.882E-02	1.896E-02	1.916E-02	1.942E-02	1.973E-02	2.049E-02	2.049E-02	2.049E-02
2.00E-02---5.00E-02	5.289E-03	5.298E-03	5.316E-03	5.342E-03	5.374E-03	5.412E-03	5.457E-03	5.505E-03	5.545E-03
ENERGY GROUP (MEV)	ANGLE 10 MU= 0.0950	ANGLE 11 MU= 0.2816	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9894	SCALAR FLUX
8.00E 00---1.00E 01	3.954E-05	5.303E-05	6.194E-05	6.194E-05	8.190E-05	9.044E-05	9.740E-05	9.740E-05	5.466E-04
6.50E 00---8.00E 00	8.209E-05	9.490E-05	1.099E-04	1.281E-04	1.481E-04	1.691E-04	1.878E-04	2.009E-04	1.133E-03
5.00E 00---6.50E 00	9.170E-05	9.284E-04	1.070E-03	1.435E-03	1.653E-03	1.884E-03	2.088E-03	2.270E-03	1.277E-02
4.00E 00---5.00E 00	2.514E-04	3.423E-04	4.025E-04	4.687E-04	5.384E-04	6.006E-04	6.432E-04	6.502E-03	3.502E-03
3.00E 00---4.00E 00	5.217E-04	6.046E-04	7.056E-04	8.156E-04	9.209E-04	1.033E-03	1.103E-03	1.103E-03	6.221E-03
2.50E 00---3.00E 00	1.083E-04	1.630E-04	1.996E-04	2.408E-04	2.831E-04	3.445E-04	3.507E-04	3.587E-03	1.587E-03
2.00E 00---2.50E 00	1.496E-04	1.832E-04	2.232E-04	2.675E-04	3.121E-04	3.507E-04	3.753E-04	4.177E-03	4.773E-03
1.66E 00---2.00E 00	1.433E-04	1.728E-04	2.574E-04	3.058E-04	3.536E-04	3.936E-04	4.193E-04	4.205E-03	4.205E-03
1.33E 00---1.66E 00	1.735E-04	2.103E-04	2.545E-04	3.050E-04	3.585E-04	4.100E-04	4.525E-04	4.705E-04	4.444E-03
1.00E 00---1.33E 00	2.295E-04	2.759E-04	3.293E-04	3.886E-04	4.491E-04	5.053E-04	5.770E-04	5.502E-04	3.146E-03
8.00E 00---1.00E 00	3.160E-04	4.392E-04	5.080E-04	5.753E-04	6.355E-04	6.815E-04	7.093E-04	7.093E-04	4.187E-03
6.00E 00---8.00E 00	4.582E-04	5.313E-04	6.088E-04	6.867E-04	7.596E-04	8.226E-04	8.703E-04	8.978E-04	5.849E-03
4.00E 00---6.00E 00	1.691E-03	2.011E-03	2.174E-03	2.499E-03	2.665E-03	2.828E-03	2.572E-03	2.636E-03	2.113E-02
3.00E 00---4.00E 00	2.116E-03	2.247E-03	2.377E-03	2.499E-03	2.606E-03	2.689E-03	2.738E-03	2.738E-03	2.444E-02
2.00E 00---3.00E 00	3.561E-03	3.692E-03	3.829E-03	3.945E-03	4.058E-03	4.146E-03	4.198E-03	4.198E-03	4.376E-02
1.00E 00---2.00E 00	9.001E-03	9.288E-03	9.574E-03	9.861E-03	1.013E-02	1.035E-02	1.062E-02	1.127E-01	1.127E-01
5.00E 00---6.00E 00	2.093E-02	2.138E-02	2.183E-02	2.227E-02	2.299E-02	2.323E-02	2.337E-02	2.617E-01	2.617E-01
2.00E 00---5.00E 00	5.556E-03	5.660E-03	5.708E-03	5.751E-03	5.786E-03	5.811E-03	5.826E-03	6.961E-03	6.961E-03

4 PI R**2 FLUENCE AT 300.0 METERS

0.00335 TO 0.111 MEV NEUTRON SOURCE

(GAMMAS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=-0.0000	ANGLE 2 MU=-0.9446	ANGLE 3 MU=-0.8656	ANGLE 4 MU=-0.7550	ANGLE 5 MU=-0.6179	ANGLE 6 MU=-0.4580	ANGLE 7 MU=-0.2816	ANGLE 8 MU=-0.0950
8.00E 00---1.00E 01	2.158E-05	2.171E-05	2.224E-05	2.328E-05	2.487E-05	2.710E-05	3.017E-05	4.010E-05
6.50E 00---8.00E 00	4.483E-05	4.511E-05	4.625E-05	4.848E-05	5.181E-05	5.624E-05	6.282E-05	7.149E-05
5.00E 00---6.50E 00	5.155E-04	5.187E-04	5.313E-04	5.560E-04	5.931E-04	6.450E-04	7.159E-04	8.123E-04
4.00E 00---5.00E 00	1.265E-04	1.277E-04	1.324E-04	1.411E-04	1.530E-04	1.684E-04	1.888E-04	2.569E-04
3.00E 00---4.00E 00	2.409E-04	2.497E-04	2.624E-04	2.824E-04	3.017E-04	3.440E-04	3.924E-04	4.582E-04
2.50E 00---3.00E 00	3.780E-05	3.837E-05	4.058E-05	4.470E-05	5.059E-05	5.865E-05	6.900E-05	8.592E-05
2.00E 00---2.50E 00	4.737E-05	4.767E-05	4.902E-05	5.208E-05	5.748E-05	6.615E-05	7.915E-05	9.794E-05
1.66E 00---2.00E 00	5.915E-05	5.923E-05	5.996E-05	6.236E-05	6.781E-05	7.778E-05	9.343E-05	1.484E-04
1.33E 00---1.66E 00	7.276E-05	7.276E-05	7.355E-05	7.639E-05	8.313E-05	9.560E-05	1.152E-04	1.836E-04
1.00E 00---1.33E 00	9.240E-05	9.295E-05	9.565E-05	1.019E-04	1.132E-04	1.315E-04	1.587E-04	1.976E-04
8.00E-01---1.00E 00	1.216E-04	1.234E-04	1.304E-04	1.438E-04	1.638E-04	1.920E-04	2.317E-04	2.879E-04
6.00E-01---8.00E-01	1.849E-04	1.881E-04	2.007E-04	2.411E-04	2.475E-04	3.034E-04	3.670E-04	4.547E-04
4.00E-01---6.00E-01	1.252E-03	1.260E-03	1.293E-03	1.360E-03	1.462E-03	1.605E-03	1.794E-03	2.028E-03
3.00E-01---4.00E-01	1.631E-03	1.631E-03	1.599E-03	1.825E-03	1.999E-03	2.212E-03	2.450E-03	2.962E-03
2.00E-01---3.00E-01	4.830E-03	4.833E-03	4.848E-03	4.875E-03	4.916E-03	4.973E-03	5.167E-03	5.320E-03
1.00E-01---2.00E-01	1.240E-02	1.242E-02	1.250E-02	1.267E-02	1.290E-02	1.320E-02	1.358E-02	1.457E-02
5.00E-02---1.00E-01	3.184E-02	3.200E-02	3.232E-02	3.276E-02	3.335E-02	3.406E-02	3.490E-02	3.586E-02
2.00E-02---5.00E-02	9.224E-03	9.224E-03	9.251E-03	9.292E-03	9.350E-03	9.425E-03	9.515E-03	9.619E-03
ENERGY GROUP (MEV)	ANGLE 10 MU= 0.0950	ANGLE 11 MU= 0.2816	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 SCALAR FLUX MU= 0.9894
8.00E 00---1.00E 01	4.796E-05	7.327E-05	9.69E-05	1.176E-04	2.420E-04	3.020E-04	4.008E-04	7.638E-04
6.50E 00---8.00E 00	9.950E-05	1.215E-05	1.514E-05	1.912E-04	2.121E-03	2.670E-03	3.315E-03	3.976E-03
5.00E 00---6.50E 00	1.122E-03	1.363E-03	1.690E-02	2.171E-04	4.822E-04	6.912E-04	9.702E-04	1.760E-02
4.00E 00---5.00E 00	3.082E-04	3.815E-04	4.882E-04	8.396E-04	1.061E-03	1.434E-03	1.673E-03	2.007E-03
3.00E 00---4.00E 00	5.488E-04	6.720E-04	8.396E-04	2.911E-04	3.525E-04	4.728E-04	6.130E-04	7.516E-04
2.50E 00---3.00E 00	1.427E-04	1.909E-04	2.180E-04	2.949E-04	3.983E-04	5.278E-04	6.738E-04	8.135E-04
2.00E 00---2.50E 00	1.032E-04	1.322E-04	2.586E-04	3.478E-04	4.646E-04	6.059E-04	7.591E-04	9.963E-04
1.66E 00---2.00E 00	1.940E-04	2.399E-04	3.183E-04	4.238E-04	5.572E-04	7.121E-04	8.728E-04	1.015E-03
1.33E 00---1.66E 00	2.399E-04	3.286E-04	4.310E-04	5.623E-04	7.192E-04	8.907E-04	1.058E-03	1.198E-03
8.00E-01---1.00E 00	4.718E-04	6.065E-04	7.677E-04	9.470E-04	1.130E-03	1.299E-03	1.433E-03	1.513E-03
6.00E-01---8.00E-01	7.185E-04	8.917E-04	1.082E-03	1.277E-03	1.463E-03	1.627E-03	1.755E-03	1.832E-03
4.00E-01---6.00E-01	2.618E-03	2.958E-03	3.316E-03	3.683E-03	4.047E-03	4.386E-03	4.670E-03	5.311E-03
3.00E-01---4.00E-01	3.224E-03	3.492E-03	3.771E-03	4.062E-03	4.354E-03	4.627E-03	4.850E-03	5.950E-03
2.00E-01---3.00E-01	5.518E-03	5.761E-03	6.044E-03	6.354E-03	6.670E-03	6.966E-03	7.207E-03	7.355E-03
1.00E-01---2.00E-01	1.517E-02	1.583E-02	1.652E-02	1.723E-02	1.791E-02	1.851E-02	1.926E-02	1.908E-01
5.00E-02---1.00E-01	3.691E-02	3.802E-02	3.917E-02	4.029E-02	4.133E-02	4.222E-02	4.289E-02	4.620E-01
2.00E-02---5.00E-02	9.859E-03	9.988E-03	1.024E-02	1.035E-02	1.051E-02	1.055E-02	1.055E-02	1.235E-01

4 PI R**2 FLUENCE AT 400.0 METERS

0.00335 TO 0.111 MEV NEUTRON SOURCE

(GAMMAS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
8.00E 00---1.00E 01	MU=-0.980	MU=-0.9446	MU=-0.8656	MU=-0.7550	MU=-0.6179	MU=-0.4580	MU=-0.2816	MU=-0.0950	
1.578E-05	1.590E-05	1.638E-05	1.729E-05	1.865E-05	2.057E-05	2.324E-05	2.703E-05	3.247E-05	
6.50E 00---8.00E 00	3.256E-05	3.284E-05	3.394E-05	3.609E-05	3.893E-05	4.293E-05	4.622E-05	4.844E-05	6.742E-05
5.00E 00---6.50E 00	3.763E-04	3.792E-04	3.911E-04	4.135E-04	4.457E-04	4.902E-04	5.510E-04	6.381E-04	7.618E-04
4.00E 00---5.00E 00	8.569E-05	8.750E-05	9.392E-05	1.033E-04	1.163E-04	1.297E-04	1.467E-04	1.710E-04	2.076E-04
3.00E 00---4.00E 00	1.713E-04	1.734E-04	1.814E-04	1.955E-04	2.132E-04	2.358E-04	2.660E-04	3.091E-04	3.720E-04
2.50E 00---3.00E 00	2.399E-05	2.766E-05	3.235E-05	3.806E-05	4.514E-05	5.626E-05	7.009E-05	9.375E-05	
2.00E 00---2.50E 00	3.625E-05	3.653E-05	3.793E-05	4.181E-05	4.943E-05	6.192E-05	8.071E-05	1.087E-04	
1.66E 00---2.00E 00	4.971E-05	4.900E-05	4.697E-05	4.549E-05	4.803E-05	5.701E-05	7.320E-05	9.715E-05	
1.33E 00---1.66E 00	6.202E-05	6.102E-05	5.809E-05	5.584E-05	5.903E-05	7.072E-05	9.160E-05	1.223E-04	
1.00E 00---1.33E 00	7.269E-05	7.248E-05	7.261E-05	7.544E-05	8.436E-05	1.021E-04	1.302E-04	1.731E-04	
8.00E-01---1.00E 00	8.348E-05	8.563E-05	9.401E-05	1.091E-04	1.296E-04	1.577E-04	1.988E-04	2.629E-04	
6.00E-01---8.00E-01	1.252E-04	1.301E-04	1.474E-04	1.766E-04	2.135E-04	2.626E-04	3.462E-04	4.662E-04	
4.00E-01---6.00E-01	1.777E-03	1.220E-03	1.185E-03	1.220E-03	1.416E-03	1.599E-03	1.852E-03	2.177E-03	
3.00E-01---4.00E-01	1.544E-03	1.569E-03	1.671E-03	1.864E-03	2.130E-03	2.455E-03	2.812E-03	3.177E-03	
5.734E-03	5.738E-03	5.753E-03	5.753E-03	5.779E-03	5.915E-03	5.865E-03	5.942E-03	6.250E-03	
2.00E-01---3.00E-01	1.494E-02	1.497E-02	1.509E-02	1.563E-02	1.606E-02	1.660E-02	1.801E-02	1.972E-02	
5.00E-02---2.00E-01	4.043E-02	4.067E-02	4.114E-02	4.180E-02	4.268E-02	4.376E-02	4.504E-02	4.652E-02	
2.00E-02---1.00E-01	4.031E-02	4.077E-02	4.120E-02	4.176E-02	4.228E-02	4.281E-02	4.357E-02	4.427E-02	
1.97E-02	1.198E-02	1.197E-02	1.201E-02	1.207E-02	1.216E-02	1.228E-02	1.241E-02	1.257E-02	
8.00E 00---1.00E 01	4.038E-05	5.267E-05	6.954E-05	9.568E-05	1.338E-04	1.857E-04	2.472E-04	3.011E-04	
5.00E 00---6.50E 00	9.400E-04	1.202E-03	1.434E-04	2.159E-03	2.983E-03	4.094E-03	5.397E-03	6.531E-03	
4.00E 00---5.00E 00	2.625E-04	3.442E-04	4.670E-04	6.530E-04	9.278E-04	1.304E-03	1.743E-03	2.118E-03	
3.00E 00---4.00E 00	6.02E-04	8.025E-04	1.024E-03	1.404E-03	1.538E-03	2.120E-03	2.781E-03	3.451E-03	
2.50E 00---3.00E 00	1.309E-04	1.896E-04	2.828E-04	4.278E-04	6.405E-04	9.207E-04	1.230E-03	1.476E-03	
2.00E 00---2.50E 00	1.518E-04	2.202E-04	3.285E-04	4.303E-04	7.239E-04	1.013E-03	1.318E-03	1.609E-03	
1.66E 00---2.00E 00	1.841E-04	2.673E-04	3.971E-04	5.871E-04	8.605E-04	1.140E-03	1.437E-03	1.654E-03	
1.33E 00---1.66E 00	2.339E-04	3.392E-04	4.980E-04	7.193E-04	9.971E-04	1.304E-03	1.591E-03	1.788E-03	
1.00E 00---1.33E 00	3.355E-04	4.819E-04	6.873E-04	9.506E-04	1.254E-03	1.561E-03	1.826E-03	1.996E-03	
8.00E-01---1.00E 00	5.105E-04	7.143E-04	9.724E-04	1.271E-03	1.583E-03	1.874E-03	2.109E-03	2.253E-03	
6.00E-01---8.00E-01	8.312E-04	1.102E-03	1.405E-03	1.716E-03	2.013E-03	2.276E-03	2.486E-03	2.617E-03	
4.00E-01---6.00E-01	3.010E-03	3.489E-03	3.991E-03	4.510E-03	5.040E-03	5.562E-03	6.026E-03	6.342E-03	
3.00E-01---4.00E-01	3.876E-03	4.225E-03	4.601E-03	5.017E-03	5.462E-03	5.899E-03	6.268E-03	6.502E-03	
2.00E-01---3.00E-01	6.512E-03	6.854E-03	7.267E-03	7.734E-03	8.225E-03	8.701E-03	9.102E-03	9.360E-03	
1.00E-01---2.00E-01	1.890E-02	1.988E-02	2.095E-02	2.208E-02	2.316E-02	2.415E-02	2.493E-02	2.542E-02	
5.00E-02---1.00E-01	4.817E-02	4.995E-02	5.181E-02	5.566E-02	5.940E-02	5.693E-02	5.879E-02	6.041E-02	
2.00E-02---5.00E-02	1.295E-02	1.336E-02	1.316E-02	1.356E-02	1.374E-02	1.389E-02	1.400E-02	1.407E-02	

4 PI P**2 FLUENCE AT 500.0 METERS

0.00335 TO 0.111 MEV NEUTRON SOURCE

(GAMMAS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
8.00E 00---1.00E 01	9.522E-06	MU=-0.9894	MU=-0.9446	MU=-0.8656	MU=-0.7550	MU=-0.6179	MU=-0.4580	MU=-0.2816	MU=-0.0950
6.50E 00---8.00E 00	9.619E-06	1.000E-05	1.069E-05	1.069E-05	1.165E-05	1.295E-05	1.476E-05	2.138E-05	
5.00E 00---6.50E 00	1.931E-05	1.957E-05	2.056E-05	2.223E-05	2.443E-05	2.714E-05	3.080E-05	3.617E-05	4.435E-05
4.00E 00---5.00E 00	2.255E-04	2.281E-04	2.385E-04	2.560E-04	2.793E-04	3.092E-04	3.502E-04	4.101E-04	5.003E-04
3.00E 00---4.00E 00	4.197E-05	4.460E-05	5.295E-05	6.469E-05	7.564E-05	8.485E-05	9.434E-05	1.094E-04	1.663E-04
2.50E 00---3.00E 00	9.20E-05	9.872E-05	1.076E-04	1.212E-04	1.356E-04	1.505E-04	1.696E-04	1.986E-04	2.451E-04
2.00E 00---2.50E 00	1.005E-05	1.125E-05	1.492E-05	1.998E-05	2.496E-05	2.974E-05	3.577E-05	4.625E-05	6.499E-05
1.66E 00---2.00E 00	2.504E-05	2.544E-05	3.333E-05	3.640E-05	2.530E-05	3.299E-05	4.815E-05	6.874E-05	9.656E-05
1.33E 00 00---1.66E 00	5.245E-05	4.996E-05	4.148E-05	3.188E-05	3.081E-05	4.162E-05	6.159E-05	8.808E-05	1.246E-04
1.00E 00---1.33E 00	5.322E-05	5.132E-05	4.805E-05	4.532E-05	5.001E-05	6.882E-05	8.961E-05	1.262E-04	1.837E-04
8.00E-01---1.00E 00	4.257E-05	4.512E-05	5.458E-05	6.968E-05	8.754E-05	1.092E-04	1.410E-04	1.971E-04	2.974E-04
6.00E-01---8.00E-01	5.72E-05	6.427E-05	8.622E-05	1.183E-04	1.522E-04	1.919E-04	2.539E-04	3.654E-04	5.510E-04
4.00E-01---6.00E-01	9.661E-04	9.721E-04	1.000E-03	1.064E-03	1.180E-03	1.369E-03	1.645E-03	2.012E-03	2.460E-03
3.00E-01---4.00E-01	1.410E-03	1.258E-03	1.288E-03	1.410E-03	1.464E-03	1.963E-03	2.364E-03	2.718E-03	3.604E-03
2.00E-01---3.00E-01	5.846E-03	5.850E-03	5.866E-03	5.884E-03	5.902E-03	5.926E-03	5.972E-03	6.069E-03	6.243E-03
1.00E-01---2.00E-01	1.535E-02	1.538E-02	1.558E-02	1.576E-02	1.612E-02	1.659E-02	1.720E-02	1.794E-02	1.881E-02
5.00E-02---1.00E-01	4.343E-02	4.366E-02	4.372E-02	4.426E-02	4.505E-02	4.609E-02	4.738E-02	4.893E-02	5.073E-02
2.00E-02---5.00E-02	1.309E-02	1.313E-02	1.320E-02	1.330E-02	1.335E-02	1.364E-02	1.361E-02	1.380E-02	1.402E-02
ENERGY GROUP (MEV)	ANGLE 10	ANGLE 11	ANGLE 12	ANGLE 13	ANGLE 14	ANGLE 15	ANGLE 16	ANGLE 17	SCALAR FLUX
8.00E 00---1.00E 01	0.0950	MU= 0.2816	MU= 0.4580	MU= 0.6179	MU= 0.7550	MU= 0.8656	MU= 0.9446	MU= 0.9894	
6.50E 00---8.00E 00	2.750E-05	5.712E-05	5.288E-05	7.889E-05	1.223E-04	1.905E-04	2.839E-04	3.776E-04	6.850E-04
5.00E 00---6.50E 00	5.696E-05	7.670E-05	1.086E-04	1.615E-04	2.493E-04	3.869E-04	5.744E-04	7.610E-04	1.400E-03
4.00E 00---5.00E 00	8.579E-04	8.514E-04	1.504E-04	1.753E-03	2.672E-03	4.096E-03	6.021E-03	7.927E-03	1.513E-02
3.00E 00---4.00E 00	3.000E-04	3.800E-04	3.620E-04	5.518E-04	8.751E-04	1.386E-03	2.070E-03	2.725E-03	4.798E-03
2.50E 00---3.00E 00	3.180E-04	4.317E-04	6.147E-04	9.195E-04	1.421E-03	2.188E-03	3.188E-03	4.131E-03	7.843E-03
2.00E 00---2.50E 00	1.140E-04	2.936E-04	2.936E-04	4.913E-04	6.541E-04	1.110E-03	1.619E-03	2.062E-03	3.366E-03
1.66E 00---2.00E 00	1.412E-04	3.223E-04	3.671E-04	6.036E-04	8.006E-04	1.228E-03	1.719E-03	2.124E-03	3.782E-03
1.33E 00 00---1.66E 00	1.851E-04	2.938E-04	4.793E-04	7.623E-04	1.141E-03	1.582E-03	2.013E-03	2.322E-03	5.228E-03
1.00E 00---1.33E 00	2.817E-04	4.459E-04	6.976E-04	1.040E-03	1.450E-03	1.876E-03	2.248E-03	2.490E-03	6.742E-03
8.00E-01---1.00E 00	4.628E-04	7.080E-04	1.033E-03	1.419E-03	1.826E-03	2.208E-03	2.513E-03	2.700E-03	8.960E-03
6.00E-01---8.00E-01	8.190E-04	1.157E-03	1.536E-03	1.921E-03	2.282E-03	2.602E-03	2.861E-03	3.029E-03	1.248E-02
4.00E-01---6.00E-01	3.499E-03	4.047E-03	4.608E-03	5.608E-03	5.193E-03	5.800E-03	6.375E-03	6.791E-03	3.775E-02
3.00E-01---4.00E-01	3.955E-03	4.304E-03	4.696E-03	5.156E-03	5.679E-03	6.212E-03	6.672E-03	6.967E-03	4.791E-02
2.00E-01---3.00E-01	6.516E-03	6.892E-03	7.359E-03	7.898E-03	8.477E-03	9.050E-03	9.549E-03	9.878E-03	8.612E-02
1.00E-01---2.00E-01	1.984E-02	2.099E-02	2.227E-02	2.361E-02	2.495E-02	2.619E-02	2.719E-02	2.782E-02	2.517E-01
5.00E-02---1.00E-01	5.275E-02	5.496E-02	5.729E-02	5.965E-02	6.190E-02	6.389E-02	6.543E-02	6.633E-02	6.628E-01
2.00E-02---5.00E-02	1.426E-02	1.452E-02	1.478E-02	1.502E-02	1.525E-02	1.544E-02	1.559E-02	1.567E-02	1.787E-01

4 PI R**2 FLUENCE AT 600.0 METERS

0.00335 TO 0.111 MEV NEUTRON SOURCE

(GAMMAS/MEV/STERADIANSOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
	MU=-1.0000	MU=-0.9894	MU=-0.9446	MU=-0.8656	MU=-0.7550	MU=-0.6179	MU=-0.4580	MU=-0.2816	MU=-0.0950
8.00E 00---1.00E 01	5.395E-06	5.909E-06	6.535E-06	6.288E-06	6.311E-06	9.888E-06	1.235E-05	1.194E-05	1.235E-05
6.50E 00---8.00E 00	9.70E-06	9.975E-05	1.091E-05	1.233E-05	1.384E-05	1.540E-05	1.737E-05	2.044E-05	2.554E-05
5.00E 00---6.50E 00	1.164E-04	1.278E-04	1.418E-04	1.574E-04	1.746E-04	1.970E-04	2.172E-05	2.878E-04	7.715E-05
4.00E 00---5.00E 00	1.367E-06	1.367E-05	1.367E-05	1.367E-05	1.367E-05	1.367E-05	1.367E-05	5.964E-05	5.964E-05
3.00E 00---4.00E 00	4.147E-05	5.456E-05	6.456E-05	6.792E-05	7.932E-05	8.746E-05	9.555E-05	1.07E-04	1.405E-04
2.50E 00---3.00E 00	-1.22E-07	1.723E-06	5.951E-06	1.182E-05	1.600E-05	1.748E-05	1.990E-05	2.664E-05	3.960E-05
2.00E 00---2.50E 00	2.00E 00---2.50E 00	-8.11E-05	1.739E-05	1.212E-05	1.158E-05	1.522E-05	2.314E-05	3.438E-05	4.958E-05
1.66E 00---2.00E 00	3.607E-05	3.332E-05	2.656E-05	1.097E-05	9.134E-06	1.576E-05	2.832E-05	5.408E-05	6.447E-05
1.33E 00---1.66E 00	4.348E-05	4.782E-05	1.223E-05	1.125E-05	2.003E-05	3.721E-05	5.955E-05	8.264E-05	8.264E-05
1.00E 00---1.33E 00	4.079E-05	3.831E-05	2.988E-05	2.174E-05	2.387E-05	5.617E-05	8.239E-05	1.252E-04	2.172E-04
8.00E-01---1.00E 00	1.28E-05	1.531E-05	2.554E-05	4.054E-05	5.558E-05	6.917E-05	8.793E-05	1.291E-04	2.172E-04
6.00E-01---8.00E-01	4.135E-06	1.409E-05	3.921E-05	7.486E-05	1.036E-04	1.261E-04	1.691E-04	2.668E-04	4.534E-04
4.00E-01---6.00E-01	7.459E-04	7.491E-04	7.633E-04	8.125E-04	9.094E-04	1.083E-03	1.351E-03	1.720E-03	2.174E-03
3.00E-01---4.00E-01	9.720E-04	9.713E-04	1.096E-03	1.338E-03	1.682E-03	2.010E-03	2.564E-03	2.994E-03	3.359E-03
2.00E-01---3.00E-01	5.452E-03	5.456E-03	5.449E-03	5.480E-03	5.481E-03	5.473E-03	5.480E-03	5.548E-03	5.673E-03
1.00E-01---2.00E-01	1.433E-02	1.433E-02	1.445E-02	1.470E-02	1.505E-02	1.552E-02	1.612E-02	1.684E-02	1.772E-02
5.00E-02---1.00E-01	4.188E-02	4.228E-02	4.281E-02	4.361E-02	4.601E-02	4.766E-02	4.949E-02	5.134E-02	5.354E-02
2.00E-02---5.00E-02	1.279E-02	1.280E-02	1.288E-02	1.291E-02	1.302E-02	1.316E-02	1.334E-02	1.354E-02	1.377E-02
ENERGY GROUP (MEV)	ANGLE 10	ANGLE 11	ANGLE 12	ANGLE 13	ANGLE 14	ANGLE 15	ANGLE 16	ANGLE 17	SCALAR FLUX
	MU= 0.0950	MU= 0.2816	MU= 0.4580	MU= 0.6179	MU= 0.7550	MU= 0.8656	MU= 0.9446	MU= 0.9894	5.516E-04
8.00E 00---1.00E 01	1.636E-05	2.301E-05	3.466E-05	5.613E-05	9.675E-05	1.707E-04	2.882E-04	4.236E-04	5.516E-04
6.50E 00---8.00E 00	3.387E-05	4.754E-05	7.110E-05	1.144E-04	1.962E-04	3.446E-04	5.787E-04	8.455E-04	1.119E-03
5.00E 00---6.50E 00	3.781E-04	5.247E-04	7.76E-04	1.024E-03	2.024E-03	3.579E-03	5.924E-03	8.589E-03	1.183E-02
4.00E 00---5.00E 00	1.089E-04	1.592E-04	2.623E-04	4.011E-04	7.152E-04	1.291E-03	2.170E-03	3.115E-03	3.933E-03
3.00E 00---4.00E 00	1.906E-04	2.709F-04	4.079E-04	6.630E-04	1.144E-03	1.983E-03	3.223E-03	4.529E-03	6.319E-03
2.50E 00---3.00E 00	6.271E-05	1.839E-04	2.404E-04	3.456E-04	6.513E-04	1.513E-03	2.494E-03	3.202E-03	3.606E-03
2.00E 00---2.50E 00	7.442E-05	1.240E-04	2.272E-04	4.272E-04	7.729E-04	1.294E-03	2.520E-03	3.560E-03	4.184E-03
1.66E 00---2.00E 00	9.459E-05	1.593E-04	2.969E-04	5.468E-04	9.382E-04	1.468E-03	2.068E-03	2.560E-03	3.200E-03
1.33E 00---1.66E 00	4.083E-04	2.222E-04	4.083E-04	7.177E-04	1.154E-03	1.581E-03	2.214E-03	2.612E-03	4.933E-03
1.00E 00---1.33E 00	2.087E-04	3.681E-04	6.350E-04	1.018E-03	1.487E-03	1.979E-03	2.609E-03	2.691E-03	6.460E-03
8.00E-01---1.00E 00	3.795E-04	6.365E-04	9.901E-04	1.418E-03	1.870E-03	2.286E-03	2.612E-03	2.808E-03	8.545E-03
6.00E-01---8.00E-01	7.389E-04	1.108E-03	1.511E-03	1.923E-03	2.294E-03	2.617E-03	2.883E-03	3.064E-03	1.187E-02
4.00E-01---6.00E-01	2.650E-03	3.202E-03	3.711E-03	4.231E-03	5.360E-03	5.957E-03	6.415E-03	7.380E-02	4.396E-02
3.00E-01---4.00E-01	3.664E-03	3.957E-03	4.301E-03	4.740E-03	5.265E-03	5.813E-03	6.286E-03	6.588E-03	4.933E-03
2.00E-01---3.00E-01	5.918E-03	6.275E-03	7.255E-03	7.826E-03	8.403E-03	8.916E-03	9.264E-03	9.714E-03	1.000E-02
1.00E-01---2.00E-01	1.814E-02	1.990E-02	2.119E-02	2.257E-02	2.396E-02	2.526E-02	2.633E-02	2.700E-02	2.855E-01
5.00E-02---1.00E-01	5.161E-02	5.395E-02	5.644E-02	5.897E-02	6.141E-02	6.359E-02	6.631E-02	6.966E-01	7.000E-01
2.00E-02---5.00E-02	1.402E-02	1.429E-02	1.456E-02	1.483E-02	1.507E-02	1.528E-02	1.543E-02	1.552E-02	1.757E-01

4 PI R**2 FLUENCE AT 900.0 METERS

0.00335 TO 0.111 MEV NEUTRON SOURCE

{ GAMMAS/MEV/STERADIAN/SOURCE NEUTRON}

ENERGY GROUP (MEV)	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
8.00E 00----1.00E 01	MU=1.0000	MU=-0.9894	MU=-0.9446	MU=-0.8656	MU=-0.7550	MU=-0.6179	MU=-0.4580	MU=-0.2816	MU=-0.0950
6.50E 00----8.00E 00	-5.451E-07	-2.107E-07	6.033E-07	1.744E-07	9.522E-07	9.902E-07	9.875E-07	1.119E-06	1.502E-06
5.00E 00----6.50E 00	2.635E-07	2.936E-06	9.732E-06	1.899E-05	2.229E-06	2.287E-06	2.113E-06	1.997E-06	2.735E-06
4.00E 00----5.00E 00	-1.699E-05	-3.440E-06	5.406E-06	1.339E-05	2.426E-05	2.411E-05	2.312E-05	2.496E-05	3.363E-05
3.00E 00----4.00E 00	-1.537E-05	-1.126E-05	2.308E-07	1.087E-05	1.637E-05	1.125E-05	1.122E-06	6.143E-06	7.513E-06
2.50E 00----3.00E 00	-9.916E-06	-7.783E-06	-1.529E-06	2.350E-06	6.113E-06	2.786E-06	6.850E-06	7.751E-06	1.533E-05
2.00E 00----2.50E 00	8.237E-06	9.182E-06	3.985E-06	8.982E-06	-4.184E-06	-8.501E-06	-2.007E-06	5.573E-06	1.593E-05
1.66E 00----2.00E 00	2.905E-05	9.162E-06	4.511E-06	1.704E-06	-7.064E-05	-1.811E-05	-1.316E-06	9.121E-06	2.167E-05
1.33E 00----1.66E 00	4.084E-05	3.517E-05	1.170E-05	7.264E-06	-4.221E-06	-4.536E-06	2.482E-06	1.433E-05	2.573E-05
1.00E 00----1.33E 00	2.753E-05	2.346E-05	7.264E-06	-4.147E-06	6.088E-06	1.844E-05	1.792E-05	1.681E-05	5.728E-05
8.00E-01----1.00E 00	-1.898E-05	-1.556E-05	-5.068E-05	-6.489E-06	1.855E-05	4.100E-05	3.086E-05	2.748E-05	2.090E-04
6.00E-01----8.00E-01	4.0C9E-05	3.246E-04	3.205E-04	3.253E-04	3.646E-04	4.639E-04	6.447E-04	9.117E-04	1.244E-03
4.00E-01----6.00E-01	3.266E-04	3.658E-04	4.511E-04	6.269E-04	8.934E-04	1.237E-03	1.349E-03	1.894E-03	2.099E-03
3.00E-01----4.00E-01	3.669E-04	3.428E-03	3.440E-03	3.438E-03	3.408E-03	3.349E-03	3.234E-03	3.249E-03	3.282E-03
2.00E-01----3.00E-01	8.682E-03	8.7C2E-03	8.788E-03	8.945E-03	9.111E-03	9.470E-03	9.855E-03	1.031E-02	1.086E-02
1.00E-01----2.00E-01	2.696E-02	2.701E-02	2.721E-02	2.759E-02	2.814E-02	2.814E-02	2.978E-02	3.089E-02	3.219E-02
5.00E-02----1.00E-01	8.370E-03	8.363E-03	8.370E-03	8.397E-03	8.449E-03	8.522E-03	8.619E-03	8.737E-03	8.878E-03
2.00E-02----5.00E-02	9.400E-03	9.213E-03	9.400E-03	9.591E-03	9.778E-03	9.949E-03	1.010E-02	1.021E-02	1.027E-02
ENERGY GROUP (MEV)	ANGLE 10	ANGLE 11	ANGLE 12	ANGLE 13	ANGLE 14	ANGLE 15	ANGLE 16	ANGLE 17	SCALAR FLUX
8.00E 00----1.00E 01	MU= 0.0950	MU= 0.2810	MU= 0.4580	MU= 0.6179	MU= 0.7550	MU= 0.8656	MU= 0.9446	MU= 0.9894	2.491E-04
6.50E 00----8.00E 00	2.276E-06	3.597E-06	6.096E-06	1.219E-05	2.419E-05	2.336E-05	1.938E-04	4.120E-04	4.907E-04
5.00E 00----6.50E 00	4.651E-06	7.621E-06	1.251E-05	2.323E-04	5.829E-05	1.552E-04	3.916E-04	7.961E-04	4.758E-03
4.00E 00----5.00E 00	1.923E-05	4.644E-05	8.574E-05	2.369E-05	6.781E-04	1.687E-03	3.086E-03	1.984E-03	2.830E-03
3.00E 00----4.00E 00	3.025E-05	4.871E-05	7.396E-05	1.501E-04	3.515E-04	9.907E-04	2.234E-03	4.007E-03	2.830E-03
2.50E 00----3.00E 00	1.318E-05	2.229E-05	4.494E-05	1.232E-04	3.224E-04	8.270E-04	1.664E-03	2.657E-03	2.087E-03
2.00E 00----2.50E 00	1.422E-05	2.169E-05	6.436E-05	1.882E-04	4.631E-04	9.685E-04	1.730E-03	2.546E-03	2.364E-03
1.66E 00----2.00E 00	1.262E-05	1.046E-04	2.883E-04	6.338E-04	1.136E-03	1.792E-03	2.414E-03	2.751E-03	2.288E-03
1.33E 00----1.66E 00	1.870E-05	5.642E-05	1.824E-04	4.360E-04	8.257E-04	1.320E-03	1.844E-03	2.266E-03	3.233E-03
1.00E 00----1.33E 00	5.497E-05	1.535E-04	3.631E-04	6.951E-04	1.120E-03	1.535E-03	1.878E-03	2.084E-03	4.233E-03
8.00E 00----1.00E 00	1.61E-04	3.645E-04	6.603E-04	1.019E-03	1.344E-03	1.687E-03	1.884E-03	1.974E-03	5.575E-03
6.00E 00----8.00E 01	4.437E-04	7.510E-04	1.077E-03	1.369E-03	1.600E-03	1.782E-03	1.937E-03	2.057E-03	7.673E-03
4.00E 00----6.00E 01	1.600E-03	1.920E-03	2.206E-03	2.438E-03	2.678E-03	2.985E-03	3.364E-03	3.701E-03	1.889E-02
3.00E 00----4.00E 01	2.215E-03	2.306E-03	2.450E-03	2.696E-03	3.027E-03	3.368E-03	3.64E-03	3.780E-03	2.571E-02
2.00E 00----3.00E 01	3.401E-03	3.601E-03	3.861E-03	4.158E-03	4.477E-03	4.808E-03	5.196E-03	5.341E-03	4.641E-02
1.00E 00----2.00E 01	1.51E-02	1.225E-02	1.308E-02	1.396E-02	1.87E-02	1.572E-02	1.687E-02	1.467E-01	1.467E-01
5.00E 00----6.00E 01	3.367E-02	3.532E-02	3.708E-02	3.890E-02	4.066E-02	4.224E-02	4.399E-02	4.426E-02	4.156E-01
2.00E 00----5.00E 02	9.213E-03	9.400E-03	9.591E-03	9.778E-03	9.949E-03	1.010E-02	1.021E-02	1.027E-02	1.155E-01

4 PI R**2 FLUENCE AT 1200.0 METERS

0.00335 TO 0.111 MEV NEUTRON SOURCE

(GAMMAS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
8.00E 00----1.00E 01	MU=-0.9894	MU=-0.946	MU=-0.8656	MU=-0.7550	MU=-0.617	MU=-0.4580	MU=-0.2816	MU=-0.0950	MU=+0.0950
6.50E 00----3.00E 00	-2.412E-07	-2.412E-08	-8.910E-08	-1.672E-07	-1.662E-08	-8.197E-09	-7.796E-08	-7.796E-08	-7.796E-08
5.00E 00----6.50E 00	-1.018E-06	-2.712E-07	-2.386E-07	-7.867E-07	-4.302E-07	-6.670E-08	-2.286E-07	-1.463E-07	-1.463E-07
4.00E 00----5.00E 00	-8.739E-06	-6.939E-06	-1.408E-06	-2.695E-06	-6.519E-06	-7.621E-06	-8.822E-07	-1.574E-06	-1.574E-06
3.00E 00----4.00E 00	-1.762E-05	-1.441E-05	-1.249E-05	-2.232E-06	-9.040E-06	-3.385E-06	-5.455E-06	-5.527E-06	-1.223E-07
2.50E 00----3.00E 00	-8.019E-06	-1.541E-05	-1.249E-05	-2.673E-06	-8.490E-06	-2.923E-06	-9.919E-06	-3.920E-06	-1.717E-06
2.00E 00----2.50E 00	-5.422E-06	-6.444E-06	-1.689E-06	-1.446E-06	-3.909E-06	-4.109E-07	-2.204E-06	-1.616E-06	-3.308E-07
1.66E 00----2.00E 00	-2.000E-05	-2.000E-05	-1.712E-05	-5.670E-05	-8.301E-06	-1.571E-06	-3.058E-06	-4.184E-06	-4.184E-06
1.33E 00----1.66E 00	-2.895E-05	-2.453E-05	-7.061E-05	-7.456E-06	-1.105E-05	-2.711E-06	-5.506E-06	-1.341E-05	-2.000E-06
1.00E 00----1.33E 00	1.907E-05	1.580E-05	3.418E-06	-5.832E-06	-6.235E-06	-6.602E-07	-6.132E-06	-8.316E-06	-3.254E-07
8.00E -01----1.00E 00	-1.622E-05	-1.381E-05	-5.610E-06	-1.962E-06	-9.955E-06	-7.258E-06	-2.358E-06	-3.959E-06	-1.268E-05
6.00E -01----8.00E -01	-4.190E-05	-3.400E-05	-9.003E-06	-9.996E-06	-2.340E-05	-5.636E-06	-2.675E-06	-1.835E-05	-9.728E-05
4.00E -01----6.00E -01	-1.534E-04	1.511E-04	1.433E-04	1.390E-04	1.536E-04	1.505E-04	3.066E-04	4.612E-04	6.528E-04
3.00E -01----4.00E -01	-1.962E-04	-1.528E-04	-1.973E-04	-2.962E-04	6.571E-04	8.663E-04	1.029E-04	1.119E-04	1.119E-04
2.00E -01----3.00E -01	1.843E-03	1.850E-03	1.855E-03	1.849E-03	1.820E-03	1.768E-03	1.707E-03	1.663E-03	1.663E-03
1.00E -01----2.00E -01	4.472E-03	4.482E-03	4.527E-03	4.610E-03	4.726E-03	4.878E-03	5.066E-03	5.296E-03	5.568E-03
5.00E -02----1.00E -01	1.405E-02	1.407E-02	1.418E-02	1.465E-02	1.502E-02	1.546E-02	1.606E-02	1.671E-02	1.671E-02
2.00E -02----5.00E -02	4.351E-03	4.354E-03	4.368E-03	4.394E-03	4.432E-03	4.481E-03	4.541E-03	4.611E-03	4.692E-03
ENERGY GROUP (MEV)	ANGLE 10	ANGLE 11	ANGLE 12	ANGLE 13	ANGLE 14	ANGLE 15	ANGLE 16	ANGLE 17	SCALAR FLUX
8.00E 00----1.00E 01	MU= 0.995	MU= 0.2816	MU= 0.4580	MU= 0.6179	MU= 0.7550	MU= 0.8056	MU= 0.9446	MU= 0.9894	1.148E-04
6.50E 00----8.00E 00	5.551E-07	8.278E-07	1.690E-06	6.063E-06	2.593E-05	1.017E-04	2.985E-04	5.571E-04	2.196E-04
5.00E 00----6.50E 00	1.465E-06	1.794E-06	2.911E-06	1.139E-05	3.134E-05	1.967E-04	4.711E-03	4.711E-03	1.926E-03
4.00E 00----5.00E 00	1.383E-05	1.769E-05	3.594E-05	1.091E-05	4.598E-04	1.707E-04	2.185E-03	2.185E-03	9.656E-04
3.00E 00----4.00E 00	1.179E-05	7.735E-06	3.405E-06	4.900E-06	2.731E-04	9.272E-04	1.183E-03	2.584E-03	1.274E-03
2.50E 00----3.00E 00	6.738E-06	1.206E-05	9.636E-06	1.745E-05	1.008E-04	4.034E-04	1.404E-03	1.883E-03	1.48E-03
2.00E 00----2.50E 00	5.018E-06	4.761E-06	5.018E-06	3.089E-05	1.417E-04	4.400E-04	2.267E-04	5.452E-04	1.48E-03
1.66E 00----2.00E 00	-5.082E-07	2.557E-08	-7.096E-07	7.064E-05	1.078E-04	1.078E-04	1.098E-03	1.547E-03	1.519E-03
1.33E 00----1.66E 00	-6.674E-06	-5.253E-06	7.568E-05	1.351E-04	3.391E-04	6.620E-04	1.097E-03	1.354E-03	1.813E-03
1.00E 00----1.33E 00	6.011E-06	1.879E-06	1.879E-06	3.980E-04	4.761E-04	7.805E-04	1.132E-03	2.324E-03	1.061E-03
8.00E -01----1.00E 00	7.331E-05	1.942E-04	3.749E-04	5.915E-04	7.985E-04	9.460E-04	1.008E-03	1.008E-03	3.040E-03
6.00E -01----8.00E -01	2.442E-04	4.333E-04	6.220E-04	7.726E-04	8.723E-04	9.380E-04	9.963E-04	1.051E-03	4.142E-03
4.00E -01----6.00E -01	8.497E-04	1.016E-03	1.133E-03	1.201E-03	1.201E-03	1.280E-03	1.398E-03	1.573E-03	9.377E-03
3.00E -01----4.00E -01	1.145E-03	1.153E-03	1.200E-03	1.316E-03	1.478E-03	1.630E-03	1.721E-03	1.749E-03	1.299E-02
2.00E -01----3.00E -01	1.708E-03	1.799E-03	1.915E-03	2.041E-03	2.171E-03	2.308E-03	2.441E-03	2.540E-03	2.345E-02
1.00E -01----2.00E -01	5.885E-03	6.244E-03	6.640E-03	7.060E-03	7.482E-03	8.196E-03	8.401E-03	7.744E-02	7.744E-02
5.00E -02----1.00E -01	1.744E-02	1.829E-02	1.917E-02	2.007E-02	2.094E-02	2.172E-02	2.239E-02	2.269E-02	2.199E-01
2.00E -02----5.00E -02	4.780E-03	4.873E-03	4.968E-03	5.060E-03	5.145E-03	5.271E-03	5.303E-03	5.303E-03	5.989E-02

4 PI R**2 FLUENCE AT 1500.0 METERS

0.00335 TO 0.111 MEV NEUTRON SOURCE

(GAMMAS/MEV/STERADIANSOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
8.00E 00---1.00E 01	MU=-0.9894	MU=-0.9446	MU=-0.8656	MU=-0.7550	MU=0.6179	MU=-0.4580	MU=-0.2816	MU=-0.0950	MU=-0.214E-08
6.50E 00---8.00E 00	-2.255E-07	-1.850E-07	-5.961E-08	2.902E-08	1.189E-07	4.656E-08	-4.372E-08	-7.887E-08	-1.216E-08
5.00E 00---6.50E 00	-8.528E-07	-7.008E-07	-1.072E-07	1.072E-07	4.386E-07	-1.870E-07	-3.136E-07	-5.705E-08	-1.904E-07
4.00E 00---5.00E 00	-5.684E-06	-4.660E-06	-1.457E-06	8.728E-07	3.071E-06	1.075E-06	-2.296E-06	-2.088E-06	-4.642E-07
3.00E 00---4.00E 00	-1.036E-05	-8.509E-06	-2.724E-06	1.480E-06	5.281E-06	1.471E-06	-2.762E-06	-3.988E-06	-3.674E-06
2.50E 00---3.00E 00	-9.303E-06	-7.601E-06	-2.89E-06	4.761E-06	4.761E-06	1.003E-06	-2.838E-06	-3.161E-07	-2.838E-06
2.00E 00---2.50E 00	-4.704E-06	-3.814E-06	-9.736E-07	9.684E-07	2.303E-06	-3.019E-06	-1.676E-06	-1.254E-06	-3.779E-07
1.66E 00---2.00E 00	3.044E-06	2.671E-06	1.093E-06	-5.557E-07	-1.487E-06	-1.060E-06	8.254E-08	2.010E-06	2.212E-06
1.33E 00---1.66E 00	1.167E-05	9.932E-06	3.085E-06	-2.979E-06	-4.914E-06	-1.809E-06	1.949E-06	6.074E-06	1.595E-06
1.00E 00---1.33E 00	1.702E-05	1.433E-05	3.974E-06	-4.798E-06	-6.851E-06	-1.559E-06	8.187E-06	4.122E-06	4.122E-07
8.00E -01---1.00E 00	1.111E-05	9.120E-06	1.781E-06	-3.798E-06	-3.943E-06	3.071E-06	3.161E-06	-2.553E-06	-2.553E-06
6.00E -01---8.00E 00	"9.913E-06	-8.477E-06	-3.529E-06	1.198E-06	5.788E-06	3.063E-06	-2.410E-06	-5.032E-06	2.964E-06
5.00E -01---6.00E 01	-2.498E-05	-2.521E-05	-6.521E-05	6.105E-06	1.321E-05	5.071E-06	-5.371E-06	4.834E-05	4.834E-05
4.00E -01---6.00E 01	7.431E-05	7.274E-05	6.755E-05	6.336E-05	6.964E-05	9.546E-05	1.492E-05	2.310E-04	3.308E-04
3.00E -01---4.00E 01	6.520E-05	6.999E-05	9.316E-05	1.446E-04	2.281E-04	3.254E-04	4.429E-04	5.238E-04	5.612E-04
2.00E -01---3.00E 01	9.402E-04	9.427E-04	9.411E-04	9.377E-04	9.186E-04	8.854E-04	8.468E-04	8.174E-04	8.103E-04
1.00E -01---2.00E 01	2.197E-03	2.202E-03	2.225E-03	2.265E-03	2.321E-03	2.395E-03	2.686E-03	2.592E-03	2.719E-03
5.00E -02---1.00E 01	6.876E-03	6.888E-03	6.938E-03	7.031E-03	7.164E-03	7.341E-03	7.560E-03	7.825E-03	8.131E-03
2.00E -02---5.00E-02	2.117E-03	2.119E-03	2.126E-03	2.138E-03	2.155E-03	2.178E-03	2.206E-03	2.239E-03	2.276E-03
ANGLE 10	ANGLE 11	ANGLE 12	ANGLE 13	ANGLE 14	ANGLE 15	ANGLE 16	ANGLE 17	SCALAR	FLUX
ENERGY GROUP (MEV)	MU= 0.0950	MU= 0.2816	MU= 0.4580	MU= 0.6179	MU= 0.7550	MU= 0.8656	MU= 0.9446	MU= 0.9894	MU= 5.67E-05
8.00E 00---1.00E 01	6.620E-08	1.749E-07	1.482E-07	7.726E-08	9.016E-07	1.332E-07	1.560E-05	1.861E-05	1.033E-06
6.50E 00---8.00E 00	2.315E-07	6.001E-07	3.349E-07	-2.213E-07	1.320E-05	1.286E-04	7.045E-04	2.643E-03	8.224E-04
5.00E 00---6.50E 00	1.920E-06	4.569E-06	2.897E-06	-5.022E-06	6.7693E-06	6.295E-06	1.061E-04	4.651E-04	4.726E-04
4.00E 00---5.00E 00	3.092E-06	6.801E-06	1.022E-06	-7.213E-06	2.600E-05	1.661E-05	5.761E-04	1.429E-03	5.929E-04
3.00E 00---4.00E 00	3.360E-06	5.606E-06	-1.713E-06	-1.705E-06	6.835E-06	5.875E-05	2.747E-04	5.619E-04	1.098E-03
2.50E 00---3.00E 00	2.766E-06	1.056E-06	-1.705E-06	-3.886E-06	8.833E-07	2.861E-05	1.094E-04	5.805E-04	9.715E-04
2.00E 00---2.50E 00	-1.272E-06	-5.886E-06	-3.886E-06	9.909E-06	6.552E-05	1.757E-04	5.834E-04	8.322E-04	6.7816E-04
1.66E 00---2.00E 00	-5.849E-06	-8.549E-06	3.896E-07	3.184E-05	1.209E-04	2.549E-04	4.136E-04	5.691E-04	6.894E-04
1.32E 00---1.66E 00	-8.528E-06	7.392E-07	2.537E-07	9.723E-05	2.131E-04	3.510E-04	4.681E-04	5.295E-04	5.372E-04
1.00E 00---1.33E 00	8.00E-01---1.00E 00	3.527E-05	1.015E-04	1.994E-04	4.160E-04	4.776E-04	4.858E-04	4.619E-04	1.189E-03
6.30E -01---8.00E 01	1.298E-04	2.315E-04	3.276E-04	3.967E-04	4.341E-04	4.537E-04	4.736E-04	4.966E-04	2.909E-03
4.00E -01---6.00E 01	4.298E-04	5.081E-04	5.545E-04	5.758E-04	5.958E-04	6.412E-04	7.185E-04	7.966E-04	4.530E-03
3.00E -01---4.00E 01	5.622E-04	5.550E-04	5.713E-04	6.252E-04	6.552E-04	7.641E-04	7.893E-04	7.887E-04	6.318E-03
2.00E -01---3.00E 01	8.299E-04	8.702E-04	9.202E-04	9.712E-04	1.022E-03	1.076E-03	1.131E-03	1.173E-03	1.141E-02
1.00E -01---2.00E 01	2.865E-03	3.029E-03	3.207E-03	3.393E-03	3.577E-03	3.466E-03	3.882E-03	3.965E-03	3.624E-02
5.00E -02---1.00E 01	8.477E-03	8.855E-03	9.255E-03	9.660E-03	1.005E-02	1.039E-02	1.066E-02	1.081E-02	1.066E-01
2.00E -02---5.00E-02	2.316E-03	2.359E-03	2.402E-03	2.444E-03	2.482E-03	2.514E-03	2.552E-03	2.5938E-03	2.902E-02

4 PI R**2 FLUENCE AT 1800.0 METERS

0.000335 TO 0.111 MEV NEUTRON SOURCE

(GAMMAS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=-1.0000	ANGLE 2 MU=-0.9894	ANGLE 3 MU=-0.9446	ANGLE 4 MU=-0.8656	ANGLE 5 MU=-0.7550	ANGLE 6 MU=-0.6179	ANGLE 7 MU=-0.4580	ANGLE 8 MU=-0.2816	ANGLE 9 MU=-0.0950
8.00E 00---1.00 E 01	-1.327E-07	-1.608E-08	6.893E-08	6.399E-08	2.243E-08	-3.390E-08	-1.320E-08	-1.320E-08	-5.495E-08
6.50E 00---8.00 E 00	-4.896E-07	-4.034E-07	-1.318E-07	6.893E-08	2.523E-07	7.628E-08	-1.311E-07	-2.033E-07	-6.247E-08
5.00E 00---6.50 E 00	-3.015E-06	-2.483E-06	-7.948E-07	4.770E-07	1.585E-06	4.352E-07	-8.577E-07	-1.274E-06	-2.048E-07
4.00E 00---5.00 E 00	-5.434E-06	-4.468E-06	-1.404E-06	9.066E-07	6.497E-06	6.252E-06	-1.643E-06	-2.252E-06	-2.026E-07
3.00E 00---4.00 E 00	-4.914E-06	-4.018E-06	-1.191E-06	9.202E-07	2.530E-06	3.890E-06	-1.608E-06	-1.870E-06	2.127E-07
2.50E 00---3.00 E 00	-2.467E-06	-1.982E-06	-4.822E-07	5.758E-07	1.10E-06	-9.830E-08	-9.752E-07	-6.94E-07	2.853E-07
2.00E 00---2.50 E 00	1.634E-06	1.430E-06	5.815E-07	-3.146E-07	-8.212E-07	-5.820E-07	1.206E-06	1.186E-06	1.140E-06
1.66E 00---2.00 E 00	6.216E-06	5.271E-06	1.614E-06	-1.660E-06	-2.671E-06	-9.231E-07	1.221E-06	3.405E-06	6.653E-06
1.33E 00---1.66 E 00	9.035E-06	7.575E-06	2.058E-06	-2.659E-06	-3.698E-06	-7.327E-07	2.273E-06	4.508E-06	6.566E-06
1.00E 00---1.33 E 00	5.774E-06	4.713E-06	8.719E-06	-2.065E-06	-2.074E-06	6.908E-08	2.444E-06	1.414E-06	-2.011E-06
8.00E-01---1.00 E 00	-5.412E-06	-4.62E-06	-1.897E-06	7.649E-07	3.163E-06	1.524E-06	-1.649E-06	-3.688E-06	8.688E-07
6.00E-01---8.00 E 01	-3.313E-05	-1.070E-05	-2.855E-05	3.436E-06	6.779E-06	2.799E-07	-3.519E-06	1.889E-06	2.468E-05
4.00E-01---6.00 E 01	.602E-05	3.515E-05	3.220E-05	9.707E-05	3.256E-05	4.571E-05	7.307E-05	1.433E-04	1.638E-04
3.00E-01---4.00 E 01	2.23E-05	3.333E-05	4.533E-05	7.128E-05	1.133E-04	1.670E-04	2.198E-04	2.732E-04	2.579E-04
2.00E-01---3.00 E 01	4.644E-04	4.644E-04	4.651E-04	4.616E-04	4.505E-04	4.321E-04	4.108E-04	3.945E-04	3.897E-04
1.00E-01---2.00 E 01	1.060E-03	1.063E-03	1.073E-03	1.093E-03	1.120E-03	1.154E-03	1.196E-03	1.246E-03	1.305E-03
5.00E-02---1.00 E 01	3.299E-03	3.305E-03	3.328E-03	3.371E-03	3.434E-03	3.516E-03	3.617E-03	3.739E-03	3.879E-03
2.00E-02---5.00 E 02	1.010E-03	1.011E-03	1.014E-03	1.020E-03	1.028E-03	1.038E-03	1.051E-03	1.066E-03	1.083E-03
ENERGY GROUP (MEV)	ANGLE 10 MU= 0.0950	ANGLE 11 MU= 0.2816	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8655	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9894	SCALAR FLUX
8.00E 00---1.00 E 01	3.513E-08	9.721E-08	2.743E-08	-1.074E-08	3.185E-08	2.291E-08	1.999E-05	1.080E-05	2.766E-05
6.50E 00---8.00 E 00	1.375E-07	3.545E-07	3.165E-08	-5.150E-07	-1.015E-07	4.819E-06	3.884E-05	1.878E-04	4.991E-05
5.00E 00---6.50 E 00	9.765E-07	2.344E-06	1.566E-06	-3.246E-06	-1.427E-07	3.655E-05	2.816E-04	1.310E-03	3.618E-04
4.00E 00---5.00 E 00	1.881E-06	3.927E-06	-3.029E-06	-7.073E-06	-3.522E-07	4.240E-05	2.529E-04	7.76E-04	2.307E-04
3.00E 00---4.00 E 00	1.978E-06	3.078E-06	-2.291E-06	-7.453E-06	8.096E-06	7.398E-05	2.749E-04	7.287E-04	2.797E-04
2.50E 00---3.00 E 00	1.623E-06	2.278E-07	-2.306E-06	1.282E-06	2.627E-05	1.063E-04	2.844E-04	5.740E-04	2.934E-04
2.00E 00---2.50 E 00	-9.080E-07	-2.875E-06	1.001E-08	1.191E-05	5.366E-05	1.412E-04	2.928E-04	4.357E-04	3.343E-04
1.66E 00---2.00 E 00	-3.771E-06	-4.400E-06	3.862E-06	3.277E-05	8.937E-05	1.765E-04	2.908E-04	4.107E-04	3.882E-04
1.33E 00---1.66 E 00	-5.645E-06	-1.450E-06	1.555E-05	6.225E-05	1.306E-04	2.081E-04	2.778E-04	3.269E-04	4.615E-04
1.00E 00---1.33 E 00	-6.255E-07	1.191E-05	4.969E-05	1.097E-04	1.781E-04	2.313E-04	2.510E-04	2.428E-04	5.864E-04
8.00E-01---1.00 E 00	1.779E-05	5.244E-05	1.023E-04	1.582E-04	2.059E-04	2.301E-04	2.258E-04	2.098E-04	7.589E-04
6.00E-01---8.00 E 01	6.695E-05	1.181E-04	1.643E-04	1.945E-04	2.079E-04	2.130E-04	2.202E-04	2.303E-04	1.021E-03
4.00E-01---6.00 E 01	2.115E-04	2.471E-04	2.655E-04	2.711E-04	2.765E-04	2.953E-04	3.299E-04	3.647E-04	2.165E-03
3.00E-01---4.00 E 01	2.701E-04	2.656E-04	2.953E-04	3.302E-04	3.625E-04	3.564E-04	3.309E-04	3.551E-04	3.029E-03
2.00E-01---3.00 E 01	3.979E-04	4.159E-04	4.586E-04	4.791E-04	5.013E-04	5.245E-04	5.425E-04	5.669E-04	5.469E-03
1.00E-01---2.00 E 01	1.372E-03	1.446E-03	1.526E-03	1.608E-03	1.689E-03	1.761E-03	1.819E-03	1.854E-03	1.730E-02
5.00E-02---1.00 E 01	4.037E-03	4.208E-03	4.387E-03	4.567E-03	4.886E-03	5.000E-03	5.069E-03	5.067E-02	5.067E-02
2.00E-02---5.00 E 02	1.101E-03	1.121E-03	1.140E-03	1.158E-03	1.175E-03	1.190E-03	1.200E-03	1.206E-03	1.379E-02

4 PI R**2 HENDERSON DOSE (NEUTRONS)
(CM**2 RAD/STERADIAN/SOURCE NEUTRON)

0.C0335 TO 0.111 MEV NEUTRON SOURCE

COSINE	75.0	100.0	150.0	RANGE (METERS)	250.0	300.0	400.0
-1.00000E 00	2.968E-11	3.214E-11	3.188E-11	2.797E-11	2.267E-11	1.760E-11	9.712E-12
-9.89401E-01	3.224E-11	3.198E-11	3.080E-11	2.805E-11	2.745E-11	1.766E-11	9.741E-12
-9.44575E-01	3.014E-11	3.237E-11	2.841E-11	2.302E-11	1.788E-11	9.863E-12	
-8.65631E-01	3.086E-11	3.342E-11	3.314E-11	2.908E-11	2.357E-11	1.830E-11	1.009E-11
-7.55044E-01	3.197E-11	3.466E-11	3.428E-11	2.988E-11	2.436E-11	1.891E-11	1.043E-11
-6.17876E-01	3.353E-11	3.625E-11	3.585E-11	3.144E-11	2.545E-11	1.975E-11	1.088E-11
-4.58017E-01	3.560E-11	3.840E-11	3.789E-11	3.32CE-11	2.685E-11	2.083E-11	1.146E-11
-2.81605E-01	3.829E-11	4.117E-11	4.050E-11	3.547E-11	2.861E-11	2.219E-11	
-9.50125E-02	4.174E-11	4.469E-11	4.381E-11	3.817E-11	3.074E-11	2.386E-11	1.306E-11
9.50125E-02	6.955E-11	4.046E-11	3.166E-11	3.798E-11	2.911E-11	2.762E-11	1.361E-11
2.81605E-01	5.394E-11	6.213E-11	6.626E-11	4.607E-11	3.755E-11	2.716E-11	1.565E-11
4.58017E-01	6.196E-11	5.599E-11	4.817E-11	4.745E-11	4.183E-11	3.179E-11	1.663E-11
6.17876E-01	6.840E-11	7.516E-11	7.546E-11	5.171E-11	4.25CE-11	3.367E-11	1.860E-11
7.55044E-01	8.991E-11	8.487E-11	7.201E-11	6.857E-11	5.338E-11	3.850E-11	2.014E-11
8.65631E-01	8.575E-11	1.053E-10	9.259E-11	6.982E-11	5.364E-11	4.182E-11	2.220E-11
9.44575E-01	1.670E-10	1.314E-10	1.100E-10	8.728E-11	6.559E-11	4.680E-11	2.386E-11
9.89401E-01	3.310E-10	2.600E-10	1.571E-10	1.042E-10	7.175E-11	5.116E-11	2.540E-11
TOTAL	7.416E-10	7.154E-10	6.548E-10	5.600E-10	4.418E-10	3.420E-10	1.837E-10
COSINE	500.0	600.0	900.0	RANGE (METERS)	1200.0	1500.0	1800.0
-1.00000E 00	4.997E-12	2.466E-12	2.525E-13	2.29CE-14	1.945E-15	1.586E-15	
-9.89401E-01	5.012E-12	2.533E-12	2.533E-13	2.274E-14	1.951E-15	1.590E-16	
-9.44575E-01	5.074E-12	2.498E-12	2.564E-13	2.325E-14	1.975E-15	1.610E-16	
-8.65631E-01	5.191E-12	2.555E-12	2.622E-13	2.377E-14	2.019E-15	1.645E-16	
-7.55044E-01	5.362E-12	2.704E-12	2.820E-13	2.556E-14	2.083E-15	1.698E-16	
-6.17876E-01	5.594E-12	2.752E-12	2.880E-13	2.556E-14	2.169E-15	1.768E-16	
-4.58017E-01	5.888E-12	2.895E-12	2.965E-13	2.685E-14	2.278E-15	1.856E-16	
-2.81605E-01	6.255E-12	3.073E-12	3.143E-13	2.844E-14	2.412E-15	1.965E-16	
-9.50125E-02	6.700E-12	3.298E-12	3.356E-13	3.034E-14	2.572E-15	2.093E-16	
9.50125E-02	7.329E-12	3.526E-12	3.607E-13	3.256E-14	2.757E-15	2.243E-16	
2.81605E-01	7.793E-12	3.843E-12	3.893E-13	3.5C9E-14	2.968E-15	2.412E-16	
4.58017E-01	8.577E-12	4.166E-12	4.213E-13	3.788E-14	3.199E-15	2.598E-16	
6.17876E-01	9.305E-12	4.541E-12	4.557E-13	4.085E-14	3.444E-15	2.793E-16	
7.55044E-01	1.018E-11	4.921E-12	4.909E-13	4.384E-14	3.688E-15	2.987E-16	
8.65631E-01	1.178E-11	5.631E-12	5.241E-13	4.889E-14	4.095E-15	3.165E-16	
9.44575E-01	1.231E-11	5.855E-12	5.691E-13	5.029E-14	4.206E-15	3.394E-16	
9.89401E-01	9.360E-11	4.562E-11	4.615E-12	4.153E-13	3.510E-14	2.852E-15	

4 PI R**2 SNYDER-NEUFELD DOSE (NEUTRONS)
(CM**2 RAD/STERADIANSOURCE NEUTRON)

0.00335 TO 0.111 MEV NEUTRON SOURCE

COSINE	75.0	100.0	150.0	RANGE (METERS)	200.0	250.0	300.0	400.0
1.00000E 00	1.576E-10	1.901E-10	2.228E-10	2.213E-10	1.983E-10	1.664E-10	1.024E-10	
-9.89401E-01	1.580E-10	1.905E-10	2.234E-10	2.219E-10	1.987E-10	1.668E-10	1.026E-10	
-9.44575E-01	1.593E-10	1.922E-10	2.255E-10	2.240E-10	2.007E-10	1.684E-10	1.030E-10	
-8.65631E-01	1.626E-10	1.966E-10	2.297E-10	2.281E-10	2.044E-10	1.715E-10	1.056E-10	
-7.55044E-01	1.672E-10	2.013E-10	2.357E-10	2.341E-10	2.097E-10	1.760E-10	1.088E-10	
-6.17876E-01	1.735E-10	2.081E-10	2.429E-10	2.421E-10	2.162E-10	1.820E-10	1.120E-10	
-4.58017E-01	1.818E-10	2.185E-10	2.544E-10	2.524E-10	2.259E-10	1.895E-10	1.166E-10	
-2.81605E-01	1.924E-10	2.301E-10	2.676E-10	2.650E-10	2.370E-10	1.988E-10	1.223E-10	
-9.50125E-02	2.057E-10	2.455E-10	2.838E-10	2.802E-10	2.51CE-10	2.100E-10	1.289E-10	
9.50125E-02	2.945E-10	4.422E-10	6.414E-10	2.794E-10	2.43CE-10	2.330E-10	1.334E-10	
2.81605E-01	2.511E-10	3.062E-10	3.629E-10	3.259E-10	2.932E-10	2.319E-10	1.477E-10	
4.58017E-01	2.789E-10	2.944E-10	3.199E-10	3.537E-10	3.055E-10	2.586E-10	1.535E-10	
6.17876E-01	3.166E-10	3.622E-10	4.146E-10	3.604E-10	3.246E-10	2.697E-10	1.668E-10	
7.55044E-01	3.725E-10	3.977E-10	4.098E-10	4.179E-10	3.621E-10	2.954E-10	1.763E-10	
8.65631E-01	3.668E-10	4.656E-10	4.853E-10	4.346E-10	3.760E-10	3.115E-10	1.884E-10	
9.44575E-01	6.212E-10	5.544E-10	5.456E-10	4.947E-10	4.176E-10	3.346E-10	1.969E-10	
9.89401E-01	1.126E-09	9.539E-10	6.970E-10	5.536E-10	4.431E-10	3.513E-10	2.043E-10	
TOTAL	3.304E-09	3.629E-C9	3.997E-09	3.875E-09	3.415E-09	2.865E-C9	1.740E-C9	

COSINE	50C.0	600.0	900.0	RANGE (METERS)	1200.0	1500.C	1800.0
1.00000E 00	5.629E-11	2.881E-11	3.082E-12	2.811E-12	2.387E-14	1.944E-15	
-9.89401E-01	5.642E-11	2.888E-11	3.089E-12	2.818E-13	2.392E-14	1.948E-15	
-9.44575E-01	5.698E-11	2.912E-11	3.120E-12	2.846E-13	2.416E-14	1.967E-15	
-8.65631E-01	5.803E-11	2.975E-11	3.177E-12	2.897E-13	2.459E-14	2.002E-15	
-7.55044E-01	5.954E-11	3.041E-11	3.259E-12	2.972E-13	2.522E-14	2.053E-15	
-6.17876E-01	6.157E-11	3.157E-11	3.368E-12	3.07CE-13	2.605E-14	2.121E-15	
-4.58017E-01	6.410E-11	3.286E-11	3.505E-12	3.193E-13	2.709E-14	2.204E-15	
-2.81605E-01	6.719E-11	3.433E-11	3.670E-12	3.342E-13	2.834E-14	2.305E-15	
-9.50125E-02	7.085E-11	3.622E-11	3.864E-12	3.516E-13	2.979E-14	2.423E-15	
9.50125E-02	7.582E-11	3.821E-11	4.086E-12	3.713E-13	3.144E-14	2.556E-15	
2.81605E-01	7.944E-11	4.081E-11	4.331E-12	3.932E-13	3.326E-14	2.702E-15	
4.58017E-01	8.521E-11	4.332E-11	4.597E-12	4.166E-13	3.520E-14	2.857E-15	
6.17876E-01	9.038E-11	4.613E-11	4.872E-12	4.407E-13	3.719E-14	3.016E-15	
7.55044E-01	9.629E-11	4.881E-11	5.143E-12	4.641E-13	3.911E-14	3.169E-15	
8.65631E-01	1.014E-10	5.144E-11	5.389E-12	4.851E-13	4.082E-14	3.304E-15	
9.44575E-01	1.061E-10	5.355E-11	5.585E-12	5.017E-13	4.217E-14	3.410E-15	
9.89401E-01	1.090E-10	5.499E-11	5.705E-12	5.117E-13	4.297E-14	3.474E-15	
TOTAL	9.537E-10	4.866E-10	5.161E-11	4.682E-12	3.966E-13	3.217E-14	

(CM**2 ERGS/GRAM/Steradian/Source Neutron)

0.00335 TO 0.111 MEV NEUTRON SOURCE

COSINE	75.0	100.0	150.0	RANGE (METERS)	200.0	250.0	300.0	400.0
-1.00000E 00	5.294E-09	5.755E-C9	5.745E-09	5.065E-C9	4.123E-09	3.214E-C9	1.784E-09	
-9.894C1E-01	5.309E-C9	5.762E-C9	5.743E-C9	5.833E-C9	4.136E-09	3.263E-C9	1.789E-09	
-9.44575E-01	5.374E-C9	5.463E-C9	5.833E-C9	5.143E-C9	4.187E-09	3.284E-09	1.811E-09	
-8.65631E-01	5.503E-C9	5.982E-C9	5.970E-09	5.264E-09	4.284E-09	3.339E-C9	1.855E-09	
-7.15044E-01	5.699E-09	6.191E-C9	6.473E-09	5.686E-09	4.452E-09	3.452E-09	1.913E-09	
-6.17876E-01	6.973E-C9	6.481E-09	6.452E-C9	5.686E-09	4.623E-09	3.601E-09	1.993E-09	
-4.58017E-01	6.339I-C9	6.844E-C9	6.816E-09	6.0C1E-09	4.874E-C9	3.795E-C9	2.100E-09	
-2.81605E-01	6.705E-C9	7.260E-C9	7.260E-09	5.188E-09	4.039E-09	2.211E-C9		
-9.30125E-02	7.422E-C9	7.978E-U9	7.869E-09	6.887E-C9	5.571E-09	4.339E-C9	2.389E-09	
9.30125E-02	1.224E-08	7.266E-C9	5.791E-09	6.841E-09	5.265E-09	5.020E-09	2.455E-09	
2.81605E-01	9.572E-C9	1.1C4E-08	1.180E-08	8.3C9E-09	6.8C0E-09	4.926E-C9	2.855E-C9	
4.8017E-01	9.979E-C9	8.668E-09	8.815E-C9	7.532E-09	5.760E-09	3.011E-09		
6.17876E-01	1.211E-C8	1.335E-C8	1.346E-C8	9.319E-09	7.687E-09	6.092E-09	3.384E-09	
7.55044E-01	1.588E-C8	1.566E-C8	1.286E-08	1.227E-08	9.585E-09	6.955E-C9	3.655BE-C9	
8.65631E-01	1.597E-08	1.865E-C8	1.649E-C8	1.551E-08	9.658E-09	7.540E-09	4.026E-09	
9.64575E-01	2.939E-C8	2.322E-C8	1.953E-C8	1.557E-08	1.175E-08	8.425E-09	4.321E-09	
9.894C1E-01	5.804E-C8	4.5C1E-C8	2.778E-08	1.8554E-08	1.284E-08	9.190E-09	4.594E-09	
TOTAL	1.313E-C7	1.273E-C7	1.173E-07	1.CC6E-C7	7.985E-08	6.204E-08	3.351E-C8	
COSINE	500.0	600.0	900.0	RANGE (METERS)	1200.0	1500.0	1800.0	
-1.00000E 00	9.215E-10	4.548E-10	4.683E-11	4.249E-12	3.609E-13	2.942E-14		
-9.89401E-01	9.241E-10	4.562E-10	4.696E-11	4.261E-12	3.619E-13	2.95CE-14		
-9.44575E-01	9.355E-10	4.611E-10	4.754E-11	4.313E-12	3.663E-13	2.985E-14		
-8.65631E-01	9.568E-10	4.722E-10	4.859E-11	4.408E-12	3.743E-13	3.051E-14		
-7.55044E-01	9.878E-10	4.874E-10	5.079E-10	5.222E-11	4.547E-12	3.861E-13	3.146E-14	
-6.17876E-01	1.030E-09	5.079E-10	5.340E-10	5.485E-11	4.97CE-12	4.018E-13	3.274E-14	
-4.58017E-01	1.C83E-C9	5.663E-10	5.663E-10	5.809E-11	5.97CE-12	4.217E-13	3.435E-14	
-2.81605E-01	1.150E-09	6.052E-10	6.197E-11	5.60CE-12	4.46iE-13	3.633E-14		
-9.30125E-02	1.230E-C9	6.482E-10	6.653E-11	6.009E-12	4.751E-13	3.867E-14		
9.30125E-02	1.345E-C9	6.81605E-01	7.058E-10	7.172E-11	5.086E-13	4.139E-14		
2.81605E-01	1.427E-C9	7.64CE-10	7.751E-11	6.46iE-12	5.47CE-13	4.446E-14		
4.58017E-01	1.569E-09	8.335E-10	8.373E-11	6.97CE-12	5.889E-13	4.782E-14		
6.17876E-01	1.699E-09	1.857E-C9	8.998E-10	9.C66E-11	6.332E-13	5.135E-14		
7.55044E-01	2.C03E-09	9.655E-10	9.664E-11	8.551E-12	6.772E-13	5.485E-14		
8.65631E-01	2.143E-09	1.027E-C9	1.1C0E-10	8.959E-12	7.179E-13	5.806E-14		
9.44575E-01	2.237E-09	1.067E-09	1.C41E-10	9.211E-12	7.705E-13	6.C62E-14		
9.89401E-01	TOTAL	1.715E-C8	8.380E-C9	8.505E-10	7.659E-11	6.473E-12	5.260E-13	

⁴ PI R**2 MID-PHANTOM DOSE (NEUTRONS)
(CM**2 RAD/STERADIAN/SOURCE NEUTRON)

0.0C335 TO 0.111 MEV NEUTRON SOURCE

COSINE	75.0	100.0	150.0	RANGE (METERS) 2CC.C	250.0	300.0	400.0
-1.0000E 00	2.840E-11	3.471E-11	4.165E-11	4.215E-11	3.033E-11	3.255E-11	2.037E-11
-9.8940E-01	2.846E-11	3.479E-11	4.174E-11	4.224E-11	3.042E-11	3.262E-11	2.042E-11
-9.44575E-01	2.873E-11	3.511E-11	4.213E-11	4.264E-11	3.078E-11	3.294E-11	2.062E-11
-8.65631E-01	2.926E-11	3.575E-11	4.288E-11	4.339E-11	3.152E-11	3.352E-11	2.099E-11
-7.55044E-01	3.005E-11	3.669E-11	4.397E-11	4.449E-11	4.077E-11	3.437E-11	2.152E-11
-6.17870E-01	3.115E-11	3.797E-11	4.544E-11	4.596E-11	4.180E-11	3.551E-11	2.223E-11
-4.58017E-01	3.260E-11	3.964E-11	4.732E-11	4.784E-11	4.322E-11	3.694E-11	2.312E-11
-2.81605E-01	3.444E-11	4.173E-11	4.967E-11	5.014E-11	4.554E-11	3.869E-11	2.421E-11
-9.50125E-02	3.676E-11	4.434E-11	5.256E-11	5.289E-11	4.97E-11	4.078E-11	2.549E-11
9.50125E-02	5.200E-11	4.935E-11	5.932E-11	5.292E-11	4.993E-11	4.494E-11	2.642E-11
2.81605E-01	4.501E-11	5.507E-11	6.637E-11	6.116E-11	5.578E-11	4.494E-11	2.896E-11
4.58017E-01	4.939E-11	5.291E-11	5.913E-11	6.604E-11	5.81E-11	4.975E-11	3.035E-11
6.17870E-01	5.330E-11	6.469E-11	7.549E-11	6.739E-11	6.161E-11	5.188E-11	3.267E-11
7.55044E-01	6.549E-11	7.73E-11	7.742E-11	7.824E-11	6.824E-11	5.447E-11	3.447E-11
8.65631E-01	6.454E-11	8.254E-11	8.783E-11	8.043E-11	7.082E-11	5.947E-11	3.664E-11
9.44575E-01	1.082E-10	9.780E-11	9.825E-11	9.87E-11	7.81CE-11	6.357E-11	3.826E-11
9.8940E-01	1.947E-10	1.662E-10	1.242E-10	1.01CE-10	8.556E-11	6.652E-11	3.960E-11
TOTAL	5.854E-10	6.521E-10	7.356E-10	7.273E-10	6.518E-10	5.537E-10	3.428E-10

COSINE	500.0	600.0	700.0	RANGE (METERS) 1200.C	1500.C	1800.C
-1.0000E 00	1.131E-11	5.822E-12	6.265E-12	5.720E-14	4.856E-15	3.954E-16
-9.8940E-01	1.134E-11	5.835E-12	6.279E-12	5.733E-14	4.867E-15	3.963E-16
-9.44575E-01	6.345E-11	5.892E-12	6.341E-12	5.892E-14	4.915E-15	4.002E-16
-8.65631E-01	1.165E-11	5.998E-12	6.454E-12	5.892E-14	5.001E-15	4.072E-16
-7.55044E-01	1.195E-11	6.151E-12	6.618E-12	6.041E-14	5.127E-15	4.174E-16
-6.17870E-01	1.235E-11	6.356E-12	6.837E-12	6.238E-14	5.293E-15	4.308E-16
-4.58017E-01	1.284E-11	6.611E-12	7.108E-12	6.482E-14	5.499E-15	4.475E-16
-2.81605E-01	1.345E-11	6.921E-12	7.438E-12	6.779E-14	5.748E-15	4.676E-16
-9.50125E-02	1.416E-11	7.284E-12	7.822E-12	7.124E-14	6.037E-15	4.909E-16
9.50125E-02	1.511E-11	7.677E-12	8.261E-12	7.516E-14	6.365E-15	5.173E-16
2.81605E-01	1.583E-11	8.179E-12	8.746E-12	7.948E-14	6.724E-15	5.462E-16
4.58017E-01	1.693E-11	8.671E-12	9.269E-12	8.410E-14	7.108E-15	5.769E-16
6.17870E-01	1.793E-11	9.213E-12	9.809E-12	8.883E-14	7.498E-15	6.081E-16
7.55044E-01	1.905E-11	9.735E-12	1.034E-12	9.341E-14	7.874E-15	6.379E-16
8.65631E-01	2.003E-11	1.023E-11	1.081E-12	9.752E-14	8.009E-15	6.645E-16
9.44575E-01	2.090E-11	1.063E-11	1.120E-12	1.007E-13	8.47CE-15	6.851E-16
9.8940E-01	2.145E-11	1.088E-11	1.143E-12	1.027E-13	8.627E-15	6.975E-16
TOTAL	1.900E-10	9.747E-11	1.042E-11	9.47CE-13	8.011E-14	6.507E-15

^4Pi R**2 CONCRETE KERMA (NEUTRONS)
 $(\text{CM}^{**2} \text{ ERGS/GRAMSTERADIAN SOURCE NEUTRON})$

C.00335 TO 0.111 MEV NEUTRON SOURCE

COSINE	75.0	100.0	150.0	200.C (METERS)	250.C	300.C	400.0	RANGE (METERS)			
								20G.C	20G.C	20G.C	20G.C
-1.00000E+00	4.685E-10	5.90CE-10	5.073E-10	4.466E-10	3.63CE-10	2.825E-10	1.564E-10				
-9.89401E-01	5.699E-10	5.165E-10	5.641E-10	3.479E-10	3.686E-10	2.834E-10	1.569E-10				
-9.44575E-01	4.756E-10	5.168E-10	5.150E-10	4.535E-10	3.686E-10	2.869E-10	1.588E-10				
-8.65631E-01	4.871E-10	5.291E-10	5.272E-10	4.642E-10	3.772E-10	2.936E-10	1.625E-10				
-7.55044E-01	5.044E-10	5.452E-10	4.800E-10	4.899E-10	3.899E-10	3.034E-10	1.678E-10				
-6.17876E-01	5.288E-10	5.733E-10	5.699E-10	5.015E-10	4.071E-10	3.167E-10	1.751E-10				
-4.58017E-01	5.612E-10	6.72E-10	6.021E-10	5.294E-10	4.293E-10	3.339E-10	1.843E-10				
-2.81605E-01	6.034E-10	6.501E-10	6.432E-10	5.646E-10	4.571E-10	3.554E-10	1.938E-10				
-9.50125E-02	6.572E-10	7.659E-10	6.953E-10	6.078E-10	4.909E-10	3.819E-10	2.098E-10				
9.50125E-02	1.C89E-C9	6.425E-10	5.106E-10	6.038E-10	4.639E-10	4.421E-10	2.182E-10				
2.81605E-01	8.478E-10	9.774E-10	1.044E-09	7.335E-10	4.338E-10	2.509E-10	1.509E-10				
4.58017E-01	9.727E-10	8.850E-10	7.659E-10	8.672E-10	6.646E-10	5.075E-10	2.664E-10				
6.17876E-01	1.073E-09	1.182E-C9	1.191E-C9	8.229E-10	6.78CE-10	5.369E-10	2.976E-10				
7.55044E-01	1.407E-C9	1.334E-09	1.138E-09	1.084E-09	8.464E-10	6.132E-10	3.218E-10				
8.65631E-01	1.344E-C9	1.652E-09	1.459E-09	1.107E-09	8.651E-10	6.651E-10	3.544E-10				
9.44575E-01	2.606E-C9	2.058E-C9	1.730E-09	1.377E-09	1.038E-09	7.434E-10	3.805E-10				
9.89401E-01	5.149E-09	4.C53E-C9	2.462E-C9	1.641E-09	1.135E-09	8.113E-10	4.047E-10				
TOTAL	1.164E-C8	1.127E-C8	1.C37E-08	8.897E-09	7.041E-09	5.463E-09	2.945E-09				
COSINE	500.C	600.C	600.C	900.0	1200.C	1500.0	1800.0	RANGE (METERS)			
								900.0	1200.C	1500.0	1800.0
-1.00000E+00	8.C66E-11	3.976E-11	4.C98E-12	3.708E-13	3.149E-14	2.567E-15					
-9.89401E-01	8.090E-11	3.988E-11	4.C99E-12	3.719E-13	3.158E-14	2.574E-15					
-9.44575E-01	8.189E-11	4.037E-11	4.149E-12	3.764E-13	3.196E-14	2.605E-15					
-8.65631E-01	8.376E-11	4.124E-11	3.842E-12	3.267E-13	2.663E-14	2.766E-15					
-7.55044E-01	8.649E-11	4.262E-11	4.378E-12	3.969E-13	3.370E-14	2.746E-15					
-6.17876E-01	9.019E-11	4.442E-11	4.560E-12	4.133E-13	3.508E-14	2.858E-15					
-4.58017E-01	9.490E-11	4.672E-11	4.791E-12	4.340E-13	3.683E-14	3.C00E-15					
-2.81605E-01	1.C07E-10	4.956E-11	5.076E-12	4.595E-13	3.897E-14	3.174E-15					
-9.50125E-02	1.C78E-10	5.298E-11	5.417E-12	4.899E-13	4.152E-14	3.379E-15					
9.50125E-02	1.179E-10	5.679E-11	5.817E-12	5.253E-13	4.448E-14	3.618E-15					
2.81605E-01	1.252E-10	6.184E-11	6.724E-12	5.655E-13	4.78E-14	3.888E-15					
4.58017E-01	1.377E-10	6.696E-11	6.783E-12	6.10CE-13	5.152E-14	4.184E-15					
6.17876E-01	1.492E-10	7.291E-11	7.320E-12	6.573E-13	5.541E-14	4.494E-15					
7.55044E-01	1.631E-10	7.893E-11	7.888E-12	7.048E-13	5.929E-14	4.802E-15					
8.65631E-01	1.760E-10	8.55CE-11	8.415E-12	7.49CE-13	6.287E-14	5.085E-15					
9.44575E-01	1.884E-10	9.C16E-11	8.852E-12	7.849E-13	6.574E-14	5.310E-15					
9.89401E-01	1.967E-10	9.369E-11	9.127E-12	8.071E-13	6.751E-14	5.448E-15					
TOTAL	1.504E-C9	7.341E-10	7.439E-11	6.696E-12	5.660E-13	4.599E-14					

⁴ PI R**2 AIR KERMA (NEUTRONS)
(CM**2 ERGS/GRAMS/STERADIANS/ SOURCE NEUTRON)

0.00335 TO 0.111 MEV NEUTRON SOURCE

COSINE	75.0	100.0	150.0	200.0	250.0	300.0	400.0
-1.00000E 00	6.296E-10	8.174E-10	1.114E-09	1.268E-09	1.279E-09	1.183E-09	8.429E-10
-9.89401E-01	6.308E-10	6.19CE-10	1.116E-09	1.271E-09	1.281E-09	1.186E-09	8.446E-10
-9.44575E-01	6.254E-10	6.124E-09	1.124E-09	1.280E-09	1.291E-09	1.195E-09	8.514E-10
-8.65631E-01	6.464E-10	8.379E-10	1.140E-09	1.298E-09	1.309E-09	1.212E-09	8.641E-10
-7.55044E-01	6.619E-10	8.564E-10	1.163E-09	1.324E-09	1.335E-09	1.237E-09	8.824E-10
-6.17876E-01	6.833E-10	8.815E-10	1.194E-09	1.358E-09	1.4C1E-09	1.413E-09	1.269E-09
-4.58017E-01	7.115E-10	9.14CE-10	1.233E-09	1.4C1E-09	1.413E-09	1.310E-09	9.364E-10
-2.81605E-01	7.475E-10	9.549E-10	1.282E-09	1.454E-09	1.466E-09	1.359E-09	9.724E-10
-9.50125E-02	7.929E-10	1.006E-09	1.340E-09	1.516E-09	1.527E-09	1.416E-09	1.014E-09
9.50125E-02	1.123E-09	9.70CE-10	1.227E-09	1.541E-09	1.561E-09	1.505E-09	1.055E-09
2.81605E-01	9.477E-10	1.230E-09	1.645E-09	1.679E-09	1.692E-09	1.540E-09	1.18E-09
4.58017E-01	1.047E-09	1.169E-09	1.461E-09	1.811E-09	1.780E-09	1.643E-09	1.168E-09
6.17876E-01	1.128E-09	1.407E-09	1.804E-09	1.815E-09	1.836E-09	1.710E-09	1.231E-09
7.55044E-01	1.385E-09	1.53CE-09	1.785E-09	2.048E-09	2.001E-09	1.812E-09	1.286E-09
8.65631E-01	1.343E-09	1.778E-09	2.047E-09	2.089E-09	2.043E-09	1.888E-09	1.343E-09
9.44575E-01	2.297E-09	2.091E-09	2.264E-09	2.527E-09	2.298E-09	1.976E-09	1.388E-09
9.89401E-01	4.212E-09	3.597E-09	2.825E-09	2.825E-09	2.298E-09	2.044E-09	1.421E-09
TOTAL	1.256E-08	1.455E-08	1.831E-08	2.035E-08	2.028E-08	1.877E-08	1.339E-08

COSINE	500.0	600.0	900.0	1200.0	1500.0	1800.0
-1.00000E 00	5.090E-10	2.764E-10	3.170E-11	2.928E-12	2.489E-13	2.026E-14
-9.89401E-01	5.101E-10	3.176E-10	2.903E-11	2.944E-12	2.030E-13	2.049E-14
-9.44575E-01	5.143E-10	2.793E-10	3.204E-11	2.967E-12	2.516E-13	2.048E-14
-8.65631E-01	5.222E-10	2.837E-10	3.255E-11	3.006E-12	2.555E-13	2.080E-14
-7.55044E-01	5.335E-10	2.899E-10	3.328E-11	3.162E-12	2.612E-13	2.126E-14
-6.17876E-01	5.488E-10	2.982E-10	3.425E-11	3.272E-12	2.687E-13	2.186E-14
-4.58017E-01	5.671E-10	3.085E-10	3.544E-11	3.404E-12	2.780E-13	2.261E-14
-2.81605E-01	5.895E-10	3.209E-10	3.689E-11	3.557E-12	2.891E-13	2.351E-14
-9.50125E-02	6.155E-10	3.353E-10	3.855E-11	3.657E-12	3.018E-13	2.454E-14
9.50125E-02	6.463E-10	3.512E-10	4.043E-11	3.728E-12	3.162E-13	2.569E-14
2.81605E-01	6.764E-10	3.694E-10	4.249E-11	3.914E-12	3.318E-13	2.694E-14
4.58017E-01	7.121E-10	3.882E-10	4.467E-11	4.111E-12	3.482E-13	2.826E-14
6.17876E-01	7.469E-10	4.078E-10	4.688E-11	4.310E-12	3.646E-13	2.957E-14
7.55044E-01	7.823E-10	4.266E-10	4.900E-11	4.499E-12	3.803E-13	3.082E-14
8.65631E-01	8.138E-10	4.437E-10	5.090E-11	4.661E-12	3.940E-13	3.191E-14
9.44575E-01	8.400E-10	4.573E-10	5.238E-11	4.797E-12	4.046E-13	3.275E-14
9.89401E-01	8.563E-10	4.658E-10	5.327E-11	4.875E-12	4.109E-13	3.324E-14
TOTAL	8.124E-C9	4.424E-C9	5.083E-10	4.682E-11	3.969E-12	3.223E-13

4 PI R**2 IONIZING SILICON KERMA (NEUTRONS)
(C.H)**2 ERGS/GRAM/STERADIAN/SOURCE NEUTRON

0.00335 TO C.111 MEV NEUTRON SOURCE

COSINE	75.0	100.0	150.0	RANGE (METERS)	250.0	300.0	400.0
-1.00000E+00	0.0	C.C	C.C	C.C	C.C	C.C	C.C
-9.89401E-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-9.44575E-01	0.0	C.C	C.C	C.C	C.C	C.C	C.C
-8.65631E-01	0.0	C.C	C.C	C.C	C.C	C.C	C.C
-7.55044E-01	0.0	C.C	C.C	C.C	C.C	C.C	C.C
-6.17876E-01	0.0	C.C	C.C	C.C	C.C	C.C	C.C
-4.58017E-01	0.0	C.C	C.C	C.C	C.C	C.C	C.C
-2.81605E-01	0.0	C.C	C.C	C.C	C.C	C.C	C.C
-9.50125E-02	0.0	C.C	C.C	C.C	C.C	C.C	C.C
9.50125E-02	0.0	C.C	C.C	C.C	C.C	C.C	C.C
2.81605E-01	0.0	C.C	C.C	C.C	C.C	C.C	C.C
4.58017E-01	0.0	C.C	C.C	C.C	C.C	C.C	C.C
6.17876E-01	0.0	C.C	C.C	C.C	C.C	C.C	C.C
7.55044E-01	0.0	C.C	C.C	C.C	C.C	C.C	C.C
8.65631E-01	0.0	C.C	C.C	C.C	C.C	C.C	C.C
9.44575E-01	0.0	C.C	C.C	C.C	C.C	C.C	C.C
9.89401E-01	0.0	C.C	C.C	C.C	C.C	C.C	C.C
TOTAL	0.0	C.C	C.C	C.C	C.C	C.C	C.C
COSINE	500.0	600.0	900.0	RANGE (METERS)	1200.0	1500.0	1800.0
-1.00000E+00	0.0	C.C	C.C	0.0	0.0	0.0	0.0
-9.89401E-01	0.0	C.C	C.C	0.0	0.0	0.0	0.0
-9.44575E-01	0.0	C.C	C.C	0.0	0.0	0.0	0.0
-8.65631E-01	0.0	C.C	C.C	0.0	0.0	0.0	0.0
-7.55044E-01	0.0	C.C	C.C	0.0	0.0	0.0	0.0
-6.17876E-01	0.0	C.C	C.C	0.0	0.0	0.0	0.0
-4.58017E-01	0.0	C.C	C.C	0.0	0.0	0.0	0.0
-2.81605E-01	0.0	C.C	C.C	0.0	0.0	0.0	0.0
-9.50125E-02	0.0	C.C	C.C	0.0	0.0	0.0	0.0
9.50125E-02	0.0	C.C	C.C	0.0	0.0	0.0	0.0
2.81605E-01	0.0	C.C	C.C	0.0	0.0	0.0	0.0
4.58017E-01	0.0	C.C	C.C	0.0	0.0	0.0	0.0
6.17876E-01	0.0	C.C	C.C	0.0	0.0	0.0	0.0
7.55044E-01	0.0	C.C	C.C	0.0	0.0	0.0	0.0
8.65631E-01	0.0	C.C	C.C	0.0	0.0	0.0	0.0
9.44575E-01	0.0	C.C	C.C	0.0	0.0	0.0	0.0
9.89401E-01	0.0	C.C	C.C	0.0	0.0	0.0	0.0
TOTAL	0.0	C.C	C.C	0.0	0.0	0.0	0.0

4 PI R**2 NON IONIZING SILICON KERMA (NEUTRONS)
(CH**2 ERGS/GRAM/STERADIAN/SOURCE NEUTRON)

0.00335 TO 0.111 MEV NEUTRON SOURCE

COSINE	75.0	100.0	150.0	RANGE (METERS)	250.0	300.0	400.0
-1.00000E 00	0.0	c.c	c.c	0.0	0.0	0.0	0.0
-9.89401E-01	0.0	c.c	c.c	0.0	0.0	0.0	0.0
-9.44575E-01	0.0	c.c	c.c	0.0	0.0	0.0	0.0
-8.6631E-01	0.0	c.c	c.c	0.0	0.0	0.0	0.0
-7.53044E-01	0.0	c.c	c.c	0.0	0.0	0.0	0.0
-6.17876E-01	0.0	c.c	c.c	0.0	0.0	0.0	0.0
-4.58017E-01	0.0	c.c	c.c	0.0	0.0	0.0	0.0
-2.81605E-01	0.0	c.c	c.c	0.0	0.0	0.0	0.0
-9.50125E-02	0.0	c.c	c.c	0.0	0.0	0.0	0.0
9.50125E-02	0.0	c.c	c.c	0.0	0.0	0.0	0.0
2.81605E-01	0.0	c.c	c.c	0.0	0.0	0.0	0.0
4.58017E-01	0.0	c.c	c.c	0.0	0.0	0.0	0.0
6.17876E-01	0.0	c.c	c.c	0.0	0.0	0.0	0.0
7.53044E-01	0.0	c.c	c.c	0.0	0.0	0.0	0.0
8.6631E-01	0.0	c.c	c.c	0.0	0.0	0.0	0.0
9.44575E-01	0.0	c.c	c.c	0.0	0.0	0.0	0.0
9.89401E-01	0.0	c.c	c.c	0.0	0.0	0.0	0.0
TOTAL	0.0	c.c	c.c	0.0	0.0	0.0	0.0
COSINE	500.0	600.0	900.0	RANGE (METERS)	1200.0	1500.0	1800.0
-1.00000E 00	0.0	c.c	c.c	0.0	0.0	0.0	0.0
-9.89401E-01	0.0	c.c	c.c	0.0	0.0	0.0	0.0
-9.44575E-01	0.0	c.c	c.c	0.0	0.0	0.0	0.0
-8.6631E-01	0.0	c.c	c.c	0.0	0.0	0.0	0.0
-7.53044E-01	0.0	c.c	c.c	0.0	0.0	0.0	0.0
-6.17876E-01	0.0	c.c	c.c	0.0	0.0	0.0	0.0
-4.58017E-01	0.0	c.c	c.c	0.0	0.0	0.0	0.0
-2.81605E-01	0.0	c.c	c.c	0.0	0.0	0.0	0.0
-9.50125E-02	0.0	c.c	c.c	0.0	0.0	0.0	0.0
9.50125E-02	0.0	c.c	c.c	0.0	0.0	0.0	0.0
2.81605E-01	0.0	c.c	c.c	0.0	0.0	0.0	0.0
4.58017E-01	0.0	c.c	c.c	0.0	0.0	0.0	0.0
6.17876E-01	0.0	c.c	c.c	0.0	0.0	0.0	0.0
7.53044E-01	0.0	c.c	c.c	0.0	0.0	0.0	0.0
8.6631E-01	0.0	c.c	c.c	0.0	0.0	0.0	0.0
9.44575E-01	0.0	c.c	c.c	0.0	0.0	0.0	0.0
9.89401E-01	0.0	c.c	c.c	0.0	0.0	0.0	0.0
TOTAL	0.0	c.c	c.c	0.0	0.0	0.0	0.0

⁴PI R**2 HENDERSON DOSE (GAMMAS)
(CM**2 RAD/STERDIAN/SOURCE NEUTRON)

J.C0335 TO C,111 MEV NEUTRON SOURCE

COSINE	75.0	100.0	150.0	RANGE (METERS)	250.0	300.0	400.0
-1.00000E+00	7.552E-13	1.165E-12	1.919E-12	2.415E-12	2.602E-12	2.530E-12	1.965E-12
-9.89401E-01	7.570E-13	1.926E-12	1.926E-12	2.427E-12	2.613E-12	2.546E-12	1.981E-12
-9.44575E-01	7.642E-13	1.183E-12	1.957E-12	2.473E-12	2.674E-12	2.622E-12	2.046E-12
-8.65631E-01	7.782E-13	1.210E-12	2.017E-12	2.565E-12	2.788E-12	2.733E-12	2.165E-12
-7.55044E-01	7.990E-13	1.250E-12	2.107E-12	2.703E-12	2.958E-12	2.917E-12	2.334E-12
-6.17876E-01	8.265E-13	1.304E-12	2.231E-12	2.893E-12	3.194E-12	3.173E-12	2.563E-12
-4.58017E-01	8.608E-13	1.313E-12	2.393E-12	3.145E-12	3.513E-12	3.522E-12	2.878E-12
-2.81605E-01	9.C17E-13	1.456E-12	2.591E-12	3.472E-12	3.937E-12	3.996E-12	3.322E-12
-9.50125E-02	9.490E-13	1.555E-12	2.839E-12	3.890E-12	4.497E-12	4.639E-12	3.956E-12
9.50125E-02	1.003E-12	1.678E-12	3.155E-12	4.416E-12	5.223E-12	5.515E-12	4.870E-12
2.81605E-01	1.C65E-12	1.795E-12	3.486E-12	5.080E-12	6.193E-12	6.694E-12	6.198E-12
4.58017E-01	1.124E-12	1.923E-12	3.894E-12	5.861E-12	7.397E-12	8.285E-12	8.147E-12
6.17876E-01	1.172E-12	2.C91E-12	4.362E-12	6.805E-12	8.924E-12	1.C37E-11	1.100E-11
7.55044E-01	1.233E-12	2.214E-12	4.799E-12	7.830E-12	1.071E-11	1.300E-11	1.505E-11
8.65631E-01	1.307E-12	2.329E-12	5.283E-12	8.901E-12	1.267E-11	1.606E-11	2.043E-11
9.44575E-01	1.328E-12	2.468E-12	5.641E-12	9.846E-12	1.453E-11	1.916E-11	2.602E-11
9.894C1E-01	1.328E-12	2.481E-12	5.896E-12	1.050E-11	1.587E-11	2.151E-11	3.190E-11
TOTAL	1.258E-11	2.115E-11	4.1C6E-11	6.05CE-11	7.60CE-11	8.595E-11	9.002E-11

COSINE	500.0	600.0	RANGE (METERS)	900.0	1200.0	1500.0	1800.0
-1.CCCCCC-30	1.303E-12	7.939E-13	1.574E-13	3.433E-14	8.133E-15	1.959E-15	1.959E-15
-9.89401E-01	1.122E-12	8.122E-13	1.774E-13	4.799E-14	1.595E-14	6.046E-15	6.046E-15
-9.44575E-01	1.380E-12	8.686E-13	2.293E-13	6.066E-14	1.854E-14	1.854E-14	1.854E-14
-8.65631E-01	1.433E-12	9.572E-13	2.845E-13	1.163E-13	5.657E-14	2.797E-14	2.797E-14
-7.55044E-01	1.614E-12	1.057E-12	3.339E-13	1.522E-13	7.612E-14	3.779E-14	3.779E-14
-6.17876E-01	1.780E-12	1.159E-12	4.338E-13	1.664E-13	6.337E-14	3.006E-14	3.006E-14
-4.58017E-01	2.003E-12	1.29CE-12	3.394E-13	1.195E-13	5.118E-14	2.320E-14	2.320E-14
-2.81605E-01	2.328E-12	1.497E-12	3.814E-13	1.319E-13	5.592E-14	2.544E-14	2.544E-14
-9.50125E-02	2.818E-12	1.83CE-12	4.714E-13	1.731E-13	7.987E-14	3.822E-14	3.822E-14
9.50125E-02	3.564E-12	2.36CE-12	6.335E-13	2.351E-13	1.083E-13	5.314E-14	5.314E-14
2.81605E-01	4.11CE-12	3.2C6E-12	8.789E-13	3.221E-13	1.488E-13	7.296E-14	7.296E-14
4.58017E-01	6.517E-12	4.615E-12	1.285E-12	4.175E-13	1.676E-13	7.366E-14	7.366E-14
6.17876E-01	9.435E-12	7.102E-12	2.158E-12	6.4CE-13	2.348E-13	9.422E-14	9.422E-14
7.55044E-01	1.411E-11	1.157E-11	4.3CE-12	1.384E-12	4.97CE-13	2.1CE-13	2.1CE-13
8.65631E-01	2.117E-11	1.924E-11	9.56E-12	3.771E-12	1.479E-12	6.15E-13	6.15E-13
9.44575E-01	3.045E-11	3.C74E-11	2.099E-11	1.065E-11	4.898E-12	2.196E-12	2.196E-12
9.89401E-01	3.937E-11	4.324E-11	3.869E-11	2.541E-11	1.4366E-11	7.499E-12	7.499E-12
TOTAL	8.C52E-11	6.627E-11	3.125E-11	1.438E-11	6.723E-12	3.165E-12	3.165E-12

⁴ PI R**2 CONCRETE KERMA ((4MAS)
1CM**2 ERGS/GRAM/STERADIAN/SOURCE NEUTRON)

0.CC335 TO 0.111 MEV NEUTRON SOURCE

COSINE	75.0	100.0	150.0	RANGE (METERS)	200.0	250.0	300.0	400.0
-1.00000E+00	7.663E-11	1.188E-11	1.966E-10	2.491E-10	2.707E-10	2.661E-10	2.133E-10	
-9.89401E-01	7.701E-11	1.191E-11	1.974E-10	2.503E-10	2.722E-10	2.677E-10	2.149E-10	
-9.4575E-01	7.773E-11	1.202E-11	2.004E-10	2.549E-10	2.779E-10	2.741E-10	2.214E-10	
-8.65631E-01	7.913E-11	1.232E-10	2.055E-10	2.641E-10	2.893E-10	2.865E-10	2.334E-10	
-7.55044E-01	8.121E-11	1.273E-11	2.155E-10	2.780E-10	3.064E-10	3.050E-10	2.505E-10	
-6.17876E-01	8.396E-11	1.327E-11	2.278E-10	2.977E-10	3.301E-10	3.307E-10	2.736E-10	
-6.52017E-01	8.739E-11	1.396E-11	2.437E-10	3.222E-10	3.621E-10	3.657E-10	3.054E-10	
-2.81605E-01	9.148E-11	1.479E-11	2.638E-10	3.549E-10	4.046E-10	4.066E-10	4.133E-10	
-9.50125E-02	9.622E-11	1.578E-11	2.886E-10	3.967E-10	4.666E-10	4.666E-10	4.137E-10	
9.50125E-02	1.016E-11	1.700E-11	3.202E-10	4.487E-10	5.331E-10	5.652E-10	5.052E-10	
2.81605E-01	1.078E-10	1.817E-11	3.533E-10	5.157E-10	6.300E-10	6.831E-10	6.380E-10	
4.58017E-01	1.337E-10	1.946E-10	3.944E-10	5.936E-10	7.503E-10	8.419E-10	8.324E-10	
6.17876E-01	1.185E-10	2.113E-11	4.409E-10	6.879E-10	9.027E-10	1.050E-09	1.117E-09	
7.55044E-01	1.246E-10	2.084E-11	4.844E-10	7.902E-10	1.002E-09	1.311E-09	1.521E-09	
8.65631E-01	1.320E-10	2.356E-11	5.328E-10	8.971E-10	1.227E-09	1.617E-09	2.057E-09	
9.44575E-01	1.341E-10	2.494E-11	5.685E-10	9.915E-10	1.462E-09	1.926E-09	2.675E-09	
9.89401E-01	1.341E-10	2.503E-11	5.940E-10	1.056E-09	1.596E-09	2.162E-09	3.202E-09	
TOTAL	1.274E-09	2.143E-09	4.165E-09	6.146E-09	7.732E-09	8.760E-09	9.216E-09	

COSINE	500.0	600.0	900.0	RANGE (METERS)	1200.0	1500.0	1800.0
-1.00000E+00	1.484E-10	9.692E-11	2.711E-11	9.44C1E-12	3.75CE-12	1.609E-12	
-9.89401E-01	1.501E-10	9.873E-11	2.909E-11	1.075E-11	4.52CE-12	2.011E-12	
-9.44575E-01	1.562E-10	1.044E-10	3.425E-11	1.471E-11	5.24CE-12	3.245E-12	
-8.65631E-01	1.665E-10	1.134E-10	3.985E-11	1.756E-11	8.558E-12	4.187E-12	
-7.55044E-01	1.799E-10	1.236E-10	4.491E-11	2.126E-11	1.053E-11	5.176E-12	
-6.17876E-01	1.968E-10	1.341E-10	4.621E-11	2.360E-11	1.360E-12	4.456E-12	
-4.844E-01	2.195E-10	1.477E-10	4.619E-11	1.834E-11	8.252E-12	3.822E-12	
-2.81605E-01	2.528E-10	1.689E-10	5.074E-11	1.976E-11	8.804E-12	4.077E-12	
-9.50125E-02	3.013E-10	2.226E-10	6.007E-11	2.402E-11	1.125E-11	5.380E-12	
9.50125E-02	3.765E-10	2.560E-10	7.654E-11	3.037E-11	1.415E-11	6.886E-12	
2.81605E-01	4.711E-10	3.406E-10	1.013E-10	3.915E-11	1.823E-11	8.882E-12	
4.58017E-01	6.715E-10	4.811E-10	1.416E-10	4.873E-11	2.019E-11	8.991E-12	
6.17876E-01	9.621E-10	7.287E-10	2.279E-10	7.068E-11	2.669E-11	1.095E-11	
7.55044E-01	1.423E-09	1.173E-09	4.409E-10	1.0435E-10	5.213E-11	2.213E-11	
8.65631E-01	2.131E-09	1.937E-09	9.616E-10	3.788E-10	1.483E-10	6.151E-11	
9.44575E-01	3.056E-09	3.082E-09	2.C92E-C9	1.062E-09	4.872E-10	2.179E-10	
9.89401E-01	3.946E-09	4.331E-09	3.867E-C9	2.539E-09	1.435E-09	7.489E-10	
TOTAL	8.284E-09	6.853E-09	3.270E-C9	1.511E-09	7.C71E-1C	3.329E-1C	

(CM**2 R**2 AIR KERMA (GAMMAS)
ERSS/GRAN/SFERADIAN/SOURCE NEUTRON)

0.C0335 TO R.111 MEV NEUTRON SOURCE

COSINE	75.C	100.G	150.0	RANGE (METERS)	200.0	250.0	300.0	400.C
8.134E-11	1.275E-1C	2.182E-10	2.881E-10	3.291E-10	3.432E-10	3.187E-10		
8.152E-11	1.279E-1C	2.190E-10	2.893E-10	3.305E-1C	3.448E-10	3.204E-1C		
8.219E-11	2.219E-1C	2.219E-10	2.935E-10	3.362E-1C	3.513E-1C	3.272E-1C		
8.352E-11	1.318E-1C	2.277E-10	3.027E-10	3.475E-10	3.638E-1C	3.398E-10		
8.45631E-01	1.356E-1C	2.363E-10	3.161E-10	3.643E-1C	3.823E-1C	3.577E-10		
-7.5044E-01	8.548E-11	1.356E-1C	2.363E-10	3.161E-10	3.643E-1C	3.823E-1C		
-6.17876E-01	8.8017E-01	8.8017E-01	1.4C7E-10	2.481E-10	3.875E-1C	4.426E-1C	3.820E-10	
-4.88017E-01	9.129E-11	1.472E-1C	2.633E-10	3.587E-10	4.187E-10	4.426E-1C	4.149E-10	
-2.916C5E-01	9.513E-11	1.551E-1C	2.823E-10	3.9CCCE-10	4.598E-10	4.893E-1C	4.004E-10	
-9.50125E-02	9.956E-11	1.643E-1C	3.057E-10	4.298E-10	5.135E-10	5.518E-10	5.241E-10	
9.00125E-02	1.046E-1C	3.354E-10	4.796E-10	5.827E-10	6.359E-10	6.141E-10		
2.81605E-01	1.104E-10	1.867E-1C	3.665E-10	5.420E-10	6.743E-10	7.481E-1C	7.426E-10	
4.88017E-01	1.158E-10	1.987E-1C	4.4C5E-10	6.151E-10	7.873E-10	8.978E-10	9.279E-10	
6.17876E-01	1.203E-01	2.442E-10	4.481E-10	7.029E-10	9.296E-10	1.092E-09	1.195E-09	
7.55044E-01	1.260E-10	2.257E-10	4.886E-10	7.979E-10	1.095E-09	1.336E-09	1.572E-09	
8.65631E-01	1.328E-10	2.363E-10	5.333E-10	8.967E-10	1.276E-09	1.618E-09	2.068E-09	
9.44575E-01	1.348E-10	2.492E-10	5.663E-10	9.838E-10	1.447E-09	1.903E-09	2.635E-C9	
9.89401E-01	1.3488E-10	2.504E-10	5.898E-10	1.044E-09	1.57CE-09	2.119E-C9	3.119E-09	
TOTAL	1.312E-C9	2.214E-C9	4.341E-C9	6.478E-09	8.261E-09	9.501E-09	1.034E-08	
COSINE	500.0	600.0	900.0	RANGE (METERS)	1200.0	1500.0	1800.0	
-1.00000E-00	2.655E-10	2.117E-10	1.017E-10	4.839E-11	2.295E-11	1.086E-11		
-9.89401E-01	2.673E-10	2.136E-10	1.036E-10	4.97CE-11	2.369E-11	1.125E-11		
-9.44575E-01	2.738E-10	2.198E-10	1.089E-10	5.363E-11	2.596E-11	1.344E-11		
-8.5631E-01	2.851E-10	2.298E-10	1.152E-10	5.683E-11	2.781E-11	1.344E-11		
-8.05631E-01	2.851E-10	2.411E-10	1.216E-10	6.105E-11	3.004E-11	1.455E-11		
-7.5044E-01	3.C00E-10	2.411E-10	1.251E-10	6.097E-11	2.954E-11	1.416E-11		
-6.17876E-01	3.190E-01	2.449E-10	1.271E-10	6.111E-11	2.924E-11	1.391E-11		
-4.88017E-01	3.442E-10	2.718E-10	1.280E-10	6.425E-11	3.062E-11	1.455E-11		
-2.81605E-01	3.798E-01	2.938E-10	1.358E-10	7.029E-11	3.385E-11	1.620E-11		
-9.50125E-02	4.315E-01	3.342E-10	1.437E-10	7.029E-11	3.765E-11	1.810E-11		
9.50125E-02	5.075E-10	3.9CE-10	1.688E-10	7.859E-11	3.765E-11	1.810E-11		
2.81605E-01	6.208E-10	4.711E-10	1.974E-10	8.957E-11	4.274E-11	2.054E-11		
4.88017E-01	7.952E-10	6.156E-10	2.412E-10	1.019E-10	4.611E-11	2.136E-11		
6.17876E-01	8.28E-10	3.282E-10	3.282E-10	1.260E-10	5.403E-11	2.408E-11		
7.55044E-01	1.506E-C9	1.270E-C9	5.314E-10	1.976E-10	7.973E-11	3.546E-11		
8.5631E-01	2.156E-C9	1.976E-C9	1.016E-09	4.172E-10	1.704E-10	7.289E-11		
9.44575E-01	3.005E-C9	3.027E-C9	2.052E-09	1.044E-09	4.816E-10	2.166E-10		
9.89401E-01	3.819E-09	4.167E-09	3.667E-09	2.385E-C9	1.341E-C9	6.972E-10		
TOTAL	9.637E-C9	8.255E-C9	4.255E-09	2.034E-09	9.637E-10	4.558E-10		

(CH**2 RI R**2 SILICON KERMA (GAMMAS)
(CH**2 ERGS/GRAM/STERADIAN/SOURCE NEUTRIN)

0.00335 TO 0.111 MEV NEUTRON SOURCE

COSINE	75.0	160.0	160.0	RANGE (METERS)	250.0	300.0	400.0
-1.00000E 00	7.924E-11	1.2226E-10	2.0325E-10	2.5812E-10	2.8122E-10	2.775E-10	2.248E-10
-9.89401E-01	1.230E-10	2.040E-10	2.593E-10	2.886E-10	2.876E-10	2.791E-10	2.265E-10
-9.44575E-01	8.016E-11	1.244E-10	2.072E-10	2.641E-10	2.886E-10	2.857E-10	2.332E-10
-8.65631E-01	8.160E-11	1.272E-10	2.133E-10	2.735E-10	3.003E-10	2.984E-10	2.455E-10
-7.55044E-01	8.374E-11	1.313E-10	2.226E-10	2.876E-10	3.178E-10	3.173E-10	2.629E-10
-6.17876E-01	8.656E-11	1.369E-10	2.352E-10	3.071E-10	3.421E-10	3.431E-10	2.866E-10
-4.58017E-01	9.007E-11	1.439E-10	2.516E-10	3.33CE-10	3.748E-10	3.795E-10	3.190E-10
-2.81605E-01	9.426E-11	1.524E-10	2.722E-10	3.665E-10	4.183E-10	4.281E-10	3.647E-10
-9.50125E-02	9.911E-11	1.626E-10	2.976E-10	4.093E-10	4.757E-10	4.941E-10	4.297E-10
9.50125E-02	1.047E-10	1.751E-10	3.299E-10	4.626E-10	5.501E-10	5.838E-10	5.233E-10
2.81605E-01	1.110E-10	1.871E-10	3.639E-10	5.313E-10	6.494E-10	7.046E-10	6.592E-10
4.58017E-01	2.003E-10	4.057E-10	6.112E-10	7.726E-10	8.672E-10	9.535E-10	8.593E-10
6.17876E-01	2.199E-10	2.175E-10	4.537E-10	7.079E-10	9.289E-10	1.086E-09	1.149E-09
7.55044E-01	2.292E-10	2.501E-10	4.984E-10	8.128E-10	1.111E-09	1.349E-09	1.564E-09
8.65631E-01	2.581E-10	2.418E-10	5.846E-10	9.225E-10	1.312E-09	1.662E-09	2.114E-09
9.44575E-01	1.380E-10	2.562E-10	5.846E-10	1.019E-09	1.503E-09	1.980E-09	2.748E-09
9.89401E-01	1.380E-10	2.575E-10	6.11C9E-10	1.086E-09	1.640E-09	2.221E-09	3.289E-09
TOTAL	1.313E-C9	2.208E-C9	4.291E-C9	6.334E-09	7.972E-09	9.037E-C9	9.517E-09

COSINE	500.0	600.0	900.0	RANGE (METERS)	1200.0	1500.0	1800.0
-1.00000E 00	1.590E-10	1.062E-10	3.234E-11	1.199E-11	4.979E-12	2.185E-12	2.598E-12
-9.89401E-01	1.607E-10	1.08CE-10	3.437E-11	1.338E-11	5.769E-12	2.598E-12	2.598E-12
-9.44575E-01	1.670E-10	1.139E-10	3.967E-11	1.745E-11	8.156E-12	3.867E-12	3.867E-12
-8.65631E-01	1.776E-10	1.230E-10	4.541E-11	2.38E-11	9.918E-12	4.833E-12	4.833E-12
-7.55044E-01	1.912E-10	1.334E-10	5.056E-11	2.08E-11	1.193E-11	5.085E-12	5.085E-12
-6.17876E-01	2.084E-10	1.442E-10	5.184E-11	2.263E-11	1.072E-11	5.099E-12	5.099E-12
-4.58017E-01	2.316E-10	1.579E-10	5.174E-11	2.108E-11	9.557E-12	4.456E-12	4.456E-12
-2.81605E-01	2.651E-10	1.795E-10	5.628E-11	2.247E-11	1.009E-11	4.680E-12	4.680E-12
-9.50125E-02	3.156E-10	2.139E-10	6.568E-11	2.676E-11	1.257E-11	6.000E-12	6.000E-12
9.50125E-02	3.919E-10	2.682E-10	8.236E-11	3.317E-11	1.548E-11	7.522E-12	7.522E-12
2.81605E-01	5.090E-10	3.545E-10	1.074E-10	4.198E-11	1.959E-11	9.522E-12	9.522E-12
4.58017E-01	6.934E-10	4.98CE-10	1.482E-10	5.152E-11	2.146E-11	9.570E-12	9.570E-12
6.17876E-01	9.009E-10	7.511E-10	2.358E-10	7.353E-11	2.786E-11	1.146E-11	1.146E-11
7.55044E-01	1.468E-09	1.206E-09	4.529E-10	1.475E-10	5.352E-11	2.270E-11	2.270E-11
8.65631E-01	2.189E-C9	1.989E-C9	9.864E-10	3.879E-10	1.516E-10	6.278E-11	6.278E-11
9.44575E-01	3.138E-C9	3.164E-09	2.147E-09	1.089E-09	4.992E-10	2.231E-10	2.231E-10
9.89401E-01	4.053E-C9	4.447E-09	3.971E-09	2.607E-09	1.474E-09	7.697E-10	7.697E-10
TOTAL	8.567E-C9	7.096E-09	3.396E-C9	1.571E-09	7.354E-10	3.462E-10	3.462E-10

4 PI R**2 FLUENCE AT 75.0 METERS

FISSION SOURCE

(NEUTRONS/MEV/STERADIANSOURCE NEUTRON)

ENERGY GROUP (MeV)	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
1.22E 01---1.50E 01	-1.000E -0.944o	0.9804	MU=-0.944o	MU=0.8656	MU=-0.7550	MU=-0.6179	MU=-0.5850	MU=-0.5816	MU=-0.0950
1.00E 01---1.22E 01	-1.165E -0.07	-9.541E -0.08	-4.165E -0.08	7.575E -0.09	2.167E -0.08	2.942E -0.08	-2.861E -0.09	-9.781E -0.09	2.200E -0.09
8.19E 00---1.00E 01	-6.374E -0.07	-5.005E -0.07	-1.562E -0.07	6.162E -0.08	2.411E -0.07	3.481E -0.07	2.633E -0.07	2.233E -0.07	3.956E -0.07
6.36E 00---8.19E 00	-1.010E -0.06	9.574E -0.06	2.948E -0.07	1.001E -0.07	1.971E -0.06	2.792E -0.06	2.109E -0.06	5.531E -0.06	3.794E -0.06
4.97E 00---6.36E 00	9.229E -0.05	9.133E -0.05	1.069E -0.05	1.178E -0.05	1.266E -0.05	1.372E -0.05	1.609E -0.05	2.100E -0.05	2.880E -0.05
4.07E 00---4.97E 00	3.465E -0.04	3.503E -0.04	8.023E -0.05	8.476E -0.05	8.508E -0.05	9.316E -0.05	1.116E -0.04	1.407E -0.04	1.781E -0.04
3.01E 00---4.07E 00	9.246E -0.04	9.267E -0.04	9.351E -0.04	9.507E -0.04	9.730E -0.04	1.004E -0.03	1.068E -0.03	1.111E -0.03	1.206E -0.03
2.46E 00---3.01E 00	4.009E -0.03	4.009E -0.03	3.755E -0.03	3.925E -0.03	3.860E -0.03	3.794E -0.03	3.757E -0.03	3.889E -0.03	3.951E -0.03
2.35E 00---2.46E 00	5.997E -0.03	5.970E -0.03	5.872E -0.03	5.710E -0.03	5.535E -0.03	5.402E -0.03	5.375E -0.03	5.522E -0.03	5.930E -0.03
1.82E 00---2.35E 00	5.080E -0.03	5.075E -0.03	5.063E -0.03	5.063E -0.03	5.122E -0.03	5.281E -0.03	5.592E -0.03	6.107E -0.03	6.890E -0.03
1.11E 00---1.83E 00	9.674E -0.03	9.698E -0.03	9.197E -0.03	1.001E -0.02	1.037E -0.02	1.093E -0.02	1.173E -0.02	1.285E -0.02	1.439E -0.02
5.50E -0.01---1.11E 00	2.423E -0.02	2.427E -0.02	2.446E -0.02	2.485E -0.02	2.550E -0.02	2.647E -0.02	2.786E -0.02	2.981E -0.02	3.252E -0.02
3.11E -0.01---5.50E -0.01	4.919E -0.12	4.919E -0.12	4.771E -0.12	5.074E -0.12	5.222E -0.12	5.444E -0.12	5.727E -0.12	6.567E -0.12	6.567E -0.12
3.35E -0.02---1.11E -0.01	2.707E -0.01	2.711E -0.01	2.728E -0.01	2.760E -0.01	2.809E -0.01	2.874E -0.01	2.957E -0.01	3.060E -0.01	3.185E -0.01
5.83E -0.04---3.35E -0.02	1.982E -0.01	1.984E -0.01	1.992E -0.01	2.008E -0.01	2.031E -0.01	2.061E -0.01	2.098E -0.01	2.131E -0.01	2.195E -0.01
1.01E -0.04---5.83E -0.04	1.008E -0.01	1.009E -0.01	1.012E -0.01	1.018E -0.01	1.026E -0.01	1.036E -0.01	1.049E -0.01	1.064E -0.01	1.081E -0.01
2.90E -0.05---1.01E -0.04	3.927E -0.01	3.930E -0.01	3.939E -0.01	3.957E -0.01	3.981E -0.01	4.013E -0.01	4.051E -0.01	4.143E -0.01	4.143E -0.01
1.07E -0.05---2.90E -0.05	1.065E -0.02	1.065E -0.02	1.067E -0.02	1.072E -0.02	1.077E -0.02	1.085E -0.02	1.093E -0.02	1.103E -0.02	1.114E -0.02
3.06E -0.06---1.07E -0.05	2.646E -0.02	2.647E -0.02	2.652E -0.02	2.660E -0.02	2.672E -0.02	2.688E -0.02	2.706E -0.02	2.748E -0.02	2.748E -0.02
1.12E -0.06---3.06E -0.06	6.729E -0.02	6.729E -0.02	6.739E -0.02	6.759E -0.02	6.786E -0.02	6.820E -0.02	6.866E -0.02	6.905E -0.02	6.954E -0.02
4.14E -0.07---1.12E -0.06	1.408E -0.03	1.410E -0.03	1.414E -0.03	1.414E -0.03	1.419E -0.03	1.426E -0.03	1.433E -0.03	1.442E -0.03	1.451E -0.03
0.0 ---4.14E -0.07	1.962E -0.03	1.963E -0.03	1.965E -0.03	1.970E -0.03	1.977E -0.03	1.985E -0.03	1.994E -0.03	2.004E -0.03	2.014E -0.03
ENERGY GROUP (MeV)	ANGLE 10	ANGLE 11	ANGLE 12	ANGLE 13	ANGLE 14	ANGLE 15	ANGLE 16	ANGLE 17	SCALAR FLUX
1.22E 01---1.50E 01	0.0550	0.2816	MU= 0.4580	MU= 0.6179	MU= 0.7550	MU= 0.9446	MU= 0.9894	MU= 0.9894	4.182E -0.05
1.00E 01---1.22E 01	8.05E -0.08	1.296E -0.07	1.255E -0.07	2.711E -0.07	1.691E -0.06	1.452E -0.06	1.526E -0.05	1.526E -0.05	3.243E -0.04
8.19E 00---1.00E 01	1.315E -0.06	1.315E -0.06	1.900E -0.06	3.320E -0.06	2.003E -0.05	2.412E -0.05	2.036E -0.05	2.114E -0.04	1.642E -0.03
6.37E 00---8.19E 00	1.030E -0.05	9.123E -0.05	1.073E -0.05	2.585E -0.05	7.506E -0.05	6.603E -0.05	4.162E -0.04	7.597E -0.03	8.052E -0.03
4.97E 00---6.36E 00	2.721E -0.05	5.160E -0.05	6.979E -0.05	9.771E -0.05	9.871E -0.04	1.568E -0.04	1.852E -0.03	6.852E -0.02	2.346E -0.02
4.07E 00---4.97E 00	2.139E -0.04	2.139E -0.04	2.788E -0.04	5.136E -0.04	7.353E -0.04	1.568E -0.03	8.085E -0.03	9.712E -0.02	2.436E -0.02
3.01E 00---4.07E 00	1.311E -0.03	2.376E -0.03	1.979E -0.03	3.024E -0.03	4.748E -0.03	9.219E -0.03	3.565E -0.02	3.469E -0.01	9.822E -0.02
2.46E 00---3.01E 00	6.850E -0.03	6.850E -0.03	8.502E -0.03	1.655E -0.02	1.655E -0.02	2.305E -0.02	6.446E -0.02	2.157E -0.01	3.099E -0.01
2.35E 00---2.46E 00	1.047E -0.02	7.271E -0.03	9.510E -0.03	1.436E -0.02	3.480E -0.02	3.480E -0.02	8.019E -0.02	9.249E -0.01	3.135E -0.01
1.82E 00---2.35E 00	1.221E -0.02	8.939E -0.03	1.161E -0.02	1.666E -0.02	1.833E -0.02	4.250E -0.02	9.156E -0.02	8.732E -0.01	1.379E -0.01
1.11E 00---1.83E 00	2.383E -0.02	2.104E -0.02	2.130E -0.02	2.882E -0.02	4.202E -0.02	1.099E -0.02	1.491E -0.01	1.009E -0.00	4.773E -0.01
5.50E 01---1.11E 00	3.747E -0.02	4.560E -0.02	4.679E -0.02	5.559F -0.02	8.341E -0.02	1.712E -0.01	2.133E -0.00	8.011E -0.00	8.011E -0.00
1.11E -0.01---5.50E 01	7.317E -0.02	8.137E -0.02	8.611E -0.02	1.046E -0.01	1.379E -0.01	1.571E -0.01	2.058E -0.01	9.687E -0.01	1.178E -0.00
3.35E 00---2.11E -0.01	3.442E -0.01	3.647E -0.01	3.519E -0.01	4.067E -0.01	4.436E -0.01	5.478E -0.01	8.166E -0.01	8.166E -0.01	3.471E -0.00
5.83E -0.04---3.35E -0.02	2.249E -0.01	2.314E -0.01	2.407E -0.01	2.467E -0.01	2.550E -0.01	2.660E -0.01	2.733E -0.01	2.876E -0.01	2.850E -0.00
1.01E -0.04---5.83E -0.04	1.099E -0.01	1.119E -0.01	1.140E -0.01	1.160E -0.01	1.179E -0.01	1.197E -0.01	1.212E -0.01	1.224E -0.01	1.379E -0.02
2.90E -0.05---1.01E -0.04	4.194E -0.01	4.248E -0.01	4.301E -0.01	4.352E -0.01	4.398E -0.01	4.437E -0.01	4.467E -0.01	4.485E -0.01	5.254E -0.02
1.07E -0.05---2.90E -0.05	1.125E -0.02	1.137E -0.02	1.148E -0.02	1.159E -0.02	1.168E -0.02	1.176E -0.02	1.181E -0.02	1.185E -0.02	1.409E -0.03
3.06E -0.06---1.07E -0.05	2.771E -0.02	2.794E -0.02	2.817E -0.02	2.838E -0.02	2.856E -0.02	2.871E -0.02	2.881E -0.02	2.887E -0.02	3.471E -0.03
1.12E -0.06---3.06E -0.06	7.056E -0.02	7.056E -0.02	7.105E -0.02	7.150E -0.02	7.190E -0.02	7.222E -0.02	7.244E -0.02	7.257E -0.02	8.777E -0.03
4.14E -0.07---1.12E -0.06	1.460E -0.03	1.470E -0.03	1.479E -0.03	1.487E -0.03	1.494E -0.03	1.500E -0.03	1.504E -0.03	1.507E -0.03	1.830E -0.04
0.0 ---4.14E -0.07	2.025E -0.03	2.036E -0.03	2.047E -0.03	2.057E -0.03	2.065E -0.03	2.072E -0.03	2.076E -0.03	2.078E -0.03	2.539E -0.04

4 PI R**2 FLUENCE AT 150.0 METERS

FISSION SOURCE

(NEUTRONS/MEV/STERADIANT/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
1.22E 01---1.50E 01	MU=-0.9899+ -8.954E-08	MU=-0.94446 -3.478E-08	MU=-0.86556 -1.495E-08	MU=-0.7550 2.771E-08	MU=-0.6179 2.944E-08	MU=-0.4580 8.719E-09	MU=-0.2816 -1.468E-08	MU=-0.0950 8.754E-08	
1.00E 01---1.22E 01	-6.280E-07	-1.199E-07	6.453E-08	3.823E-07	3.917E-07	2.459E-07	1.889E-07	4.115E-07	
8.19E 00---1.00E 01	-1.050E-06	-1.477E-07	1.604E-06	2.439E-06	2.500E-06	2.295E-06	2.704E-06	4.360E-06	
6.36E 00---8.19E 00	1.083E-05	1.115E-05	1.219E-05	1.555E-05	1.59E-05	2.563E-05	3.588E-05	2.704E-05	
4.97E 00---6.36E 00	1.066E-04	1.021E-04	9.877E-05	1.008E-04	1.129E-04	1.761E-04	2.239E-04	1.761E-04	
4.07E 00---4.97E 00	4.90E-04	4.133E-04	4.298E-04	4.586E-04	4.951E-04	5.380E-04	5.882E-04	6.484E-04	
3.01E 00---4.07E 00	1.041E-03	1.041E-03	1.048E-03	1.062E-03	1.082E-03	1.113E-03	1.161E-03	1.233E-03	
2.46E 00---3.01E 00	4.111E-03	4.076E-03	4.024E-03	3.957E-03	3.957E-03	3.872E-03	3.940E-03	4.169E-03	
2.35E 00---2.46E 00	6.151E-03	6.112E-03	5.987E-03	5.877E-03	5.880E-03	5.946E-03	6.274E-03	6.955E-03	
1.83E 00---2.35E 00	6.236E-03	6.237E-03	6.248E-03	6.300E-03	6.436E-03	6.711E-03	7.186E-03	7.928E-03	
1.11E 00---1.83E 00	1.290E-02	1.83E-02	1.294E-02	1.309E-02	1.341E-02	1.471E-02	1.583E-02	1.935E-02	
5.50E-01---1.11E 00	3.559E-02	3.559E-02	3.595E-02	3.667E-02	3.781E-02	3.947E-02	4.177E-02	4.491E-02	
1.11E-01---5.50E-01	8.473E-02	8.495E-02	8.566E-02	8.764E-02	9.026E-02	9.385E-02	9.852E-02	1.045E-01	
3.35E-02---1.11E-01	5.976E-01	5.024E-01	6.019E-01	6.209E-01	6.520E-01	6.535E-01	6.729E-01	7.029E-01	
5.83E-04---3.35E-02	5.039E-01	5.045E-01	5.070E-01	5.117E-01	5.183E-01	5.271E-01	5.378E-01	5.506E-01	
1.01E-04---5.83E-04	2.859E-01	2.862E-01	2.873E-01	2.895E-01	2.926E-01	2.961E-01	3.016E-01	3.073E-01	
2.90E-05---1.01E-04	1.882E-02	1.883E-02	1.887E-02	1.955E-02	2.020E-02	2.125E-02	2.237E-02	2.280E-02	
1.07E-05---2.90E-05	3.322E-02	3.325E-02	3.356E-02	3.384E-02	3.421E-02	3.464E-02	3.515E-02	3.571E-02	
3.06E-06---1.07E-05	8.527E-02	8.533E-02	8.558E-02	8.604E-02	8.669E-02	8.752E-02	8.852E-02	8.956E-02	
1.12E-06---3.06E-06	2.212E-03	2.213E-03	2.219E-03	2.230E-03	2.246E-03	2.266E-03	2.289E-03	2.315E-03	
4.14E-07---1.12E-06	4.702E-03	4.705E-03	4.717E-03	4.739E-03	4.769E-03	4.803E-03	4.853E-03	4.962E-03	
0.0 ---4.14E-07	6.632E-03	6.656E-03	6.672E-03	6.700E-03	6.739E-03	6.787E-03	6.842E-03	6.904E-03	
									6.972E-03
									7.392E-03
									8.819E-04

4 PI R**2 FLUENLE AT 200.0 METERS

FISSION SOURCE

(NEUTRONS/MEV/STERADIANS/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
MU=1.0000	MU=-0.9894	MU=-0.9446	MU=-0.8656	MU=-0.7550	MU=-0.6179	MU=-0.4580	MU=-0.2816	MU=-0.0950	MU=-0.911E-09
1.22E 01---1.50E 01	-9.29E-08	-7.60E-08	-2.80E-08	7.83E-09	2.48E-08	-7.05E-09	-1.24E-08	-3.911E-07	3.908E-07
1.00E 01---1.22E 01	-5.42E-07	-4.237E-07	-8.925E-08	1.06E-07	3.694E-07	3.522E-07	2.028E-07	1.556E-07	4.432E-06
8.19E 00---1.00E 01	-9.313E-07	-5.05E-07	2.334E-07	1.617E-06	2.346E-06	2.332E-06	2.104E-06	2.541E-06	4.647E-05
6.36E 00---8.19E 00	1.022E-05	1.083E-05	1.185E-05	1.314E-05	1.421E-05	1.568E-05	1.907E-05	1.591E-05	3.647E-05
4.97E 00---6.36E 00	1.043E-04	1.034E-04	1.003E-04	9.766E-05	1.007E-04	1.141E-04	1.404E-04	1.739E-04	2.277E-04
4.07E 00---4.97E 00	4.038E-04	4.079E-04	4.239E-04	4.515E-04	4.868E-04	5.285E-04	5.776E-04	6.364E-04	7.112E-04
3.01E 00---4.07E 00	9.93E-04	9.93E-04	9.93E-04	9.93E-03	1.031E-03	1.060E-03	1.104E-03	1.175E-03	1.287E-03
2.46E 00---3.01E 00	3.744E-03	3.744E-03	3.744E-03	3.714E-03	3.666E-03	3.613E-03	3.562E-03	3.633E-03	3.910E-03
2.35E 00---2.46E 00	5.694E-03	5.694E-03	5.694E-03	5.619E-03	5.536E-03	5.482E-03	5.313E-03	5.695E-03	6.843E-03
1.83E 00---2.35E 00	6.230E-03	6.234E-03	6.261E-03	6.339E-03	6.511E-03	6.828E-03	7.353E-03	8.155E-03	9.327E-03
1.11E 00---1.83E 00	1.331E-02	1.351E-02	1.381E-02	1.422E-02	1.442E-02	1.493E-02	1.525E-02	1.804E-02	2.022E-02
5.50E-01---1.11E 00	3.838E-02	3.880E-02	3.965E-02	4.098E-02	4.289E-02	4.553E-02	4.895E-02	5.385E-02	5.895E-02
1.11E-01---5.50E-01	9.774E-02	9.799E-02	9.905E-02	1.011E-01	1.041E-01	1.083E-01	1.136E-01	1.203E-01	1.286E-01
3.35E-02---1.11E-01	7.576E-01	7.676E-01	7.639E-01	7.876E-01	8.060E-01	8.286E-01	8.564E-01	8.880E-01	9.100E-01
5.83E-04---3.35E-02	6.697E-02	6.705E-01	6.743E-01	6.865E-01	6.898E-01	7.020E-01	7.169E-01	7.346E-01	7.547E-01
1.01E-04---5.83E-04	3.961E-01	3.965E-01	3.963E-01	4.016E-01	4.064E-01	4.125E-01	4.200E-01	4.288E-01	4.386E-01
2.90E-05---1.01E-04	1.681E-02	1.682E-02	1.689E-02	1.702E-02	1.720E-02	1.743E-02	1.774E-02	1.803E-02	1.840E-02
1.07E-05---2.90E-05	4.815E-02	4.838E-02	4.859E-02	4.919E-02	4.981E-02	5.055E-02	5.141E-02	5.236E-02	5.326E-02
3.06E-06---1.07E-05	1.220E-03	1.261E-03	1.265E-03	1.273E-03	1.285E-03	1.299E-03	1.317E-03	1.337E-03	1.359E-03
1.12E-06---3.06E-06	3.310E-03	3.313E-03	3.323E-03	3.343E-03	3.371E-03	3.407E-03	3.450E-03	3.498E-03	3.552E-03
4.14E-07---1.12E-06	7.113E-03	7.119E-03	7.140E-03	7.180E-03	7.236E-03	7.308E-03	7.398E-03	7.498E-03	7.598E-03
0.0 ---4.14E-07	1.017E-04	1.018E-04	1.021E-04	1.026E-04	1.033E-04	1.042E-04	1.053E-04	1.065E-04	1.078E-04
ENERGY GROUP (MEV)	ANGLE 10	ANGLE 11	ANGLE 12	ANGLE 13	ANGLE 14	ANGLE 15	ANGLE 16	ANGLE 17	SCALAR FLUX
MU= 0.0950	MU= 0.2810	MU= 0.095E-07	MU= 0.6179	MU= 0.7550	MU= 0.8656	MU= 0.9446	MU= 0.9894	MU= 0.9894	2.087E-05
1.22E 01---1.50E 01	3.694E-08	1.042E-06	1.301E-06	2.044E-06	2.656E-06	5.000E-07	1.729E-06	6.373E-06	1.766E-04
1.00E 01---1.22E 01	1.00E 01	5.839E-06	1.945E-05	3.502E-05	5.764E-06	1.531E-05	5.157E-05	7.850E-05	9.808E-04
6.36E 00---8.19E 00	4.332E-05	6.929E-05	7.817E-05	1.267E-04	2.203E-04	8.917E-05	2.824E-04	4.241E-03	9.802E-03
4.97E 00---6.36E 00	2.512E-04	3.793E-04	4.322E-04	6.923E-04	1.086E-03	2.111E-03	4.849E-03	5.388E-02	4.465E-02
4.07E 00---4.97E 00	9.439E-04	8.439E-04	1.302E-03	1.592E-03	2.677E-03	4.567E-03	9.833E-03	7.633E-02	3.046E-02
5.50E-01---1.11E 00	6.420E-02	6.530E-02	2.266E-03	3.678E-03	5.618E-03	1.023E-02	2.093E-02	1.559E-01	6.197E-02
3.01E 00---6.07E 00	1.227E-03	1.975E-03	7.594E-03	9.106E-03	1.497E-02	2.364E-02	4.963E-02	3.902E-01	1.631E-01
2.46E 00---3.01E 00	5.258E-03	4.634E-03	2.355E 00	9.895E-03	1.404E-02	1.712E-02	2.693E-02	8.118E-02	2.713E-01
1.83E 00---2.46E 00	7.895E-03	9.307E-03	1.247E-02	2.106E-02	3.077E-02	4.420E-02	7.799E-02	4.677E-01	2.750E-01
1.11E 00---1.83E 00	2.644E-02	2.463E-02	3.498E-02	3.903E-02	5.500E-02	7.304E-02	1.180E-01	4.584E-01	4.480E-01
5.50E-01---1.11E 00	6.420E-02	6.530E-02	8.280E-02	9.391E-02	1.201E-01	1.536E-01	2.186E-01	6.572E-01	9.978E-01
1.11E-01---5.50E-01	1.227E-01	1.646E-01	1.566E-01	1.957E-01	2.042E-01	2.495E-01	2.902E-01	4.627E-01	1.897E 00
2.35E 00---1.11E 01	7.915E-01	1.060E 00	9.470E-01	1.123E 00	1.078E 00	1.207E 00	1.211E 00	1.198E 00	1.167E 01
5.83E-04---1.35E-02	7.658E-01	7.967E-01	8.308E-01	8.506E-01	8.810E-01	9.011E-01	9.232E-01	9.350E-01	9.769E 00
1.01E-04---5.83E-04	4.444E-01	4.609E-01	4.727E-01	4.844E-01	4.955E-01	5.052E-01	5.129E-01	5.176E-01	5.631E-01
2.90E-05---1.01E-04	1.879E-02	1.921E-02	2.003E-02	2.041E-02	2.074E-02	2.098E-02	2.113E-02	2.352E-03	3.047E-03
1.07E-05---2.90E-05	5.39E-02	5.446E-02	5.553E-02	5.657E-02	5.752E-02	5.832E-02	5.892E-02	5.927E-02	6.680E-03
1.11E-01---5.50E-01	1.227E-01	1.646E-01	1.957E-01	1.995E-01	2.042E-01	2.495E-01	2.902E-01	4.627E-01	1.897E 00
2.35E 00---1.11E 01	7.915E-01	1.060E 00	9.470E-01	1.123E 00	1.078E 00	1.207E 00	1.211E 00	1.198E 00	1.167E 01
5.83E-04---1.35E-02	7.658E-01	7.967E-01	8.308E-01	8.506E-01	8.810E-01	9.011E-01	9.232E-01	9.350E-01	9.769E 00
1.01E-04---5.83E-04	4.444E-01	4.609E-01	4.727E-01	4.844E-01	4.955E-01	5.052E-01	5.129E-01	5.176E-01	5.631E-01
2.90E-05---1.01E-04	1.879E-02	1.921E-02	2.003E-02	2.041E-02	2.074E-02	2.098E-02	2.113E-02	2.352E-03	3.047E-03
1.07E-05---2.90E-05	5.39E-02	5.446E-02	5.553E-02	5.657E-02	5.752E-02	5.832E-02	5.892E-02	5.927E-02	6.680E-03
1.11E-01---5.50E-01	1.227E-01	1.646E-01	1.957E-01	1.995E-01	2.042E-01	2.495E-01	2.902E-01	4.627E-01	1.897E 00
2.35E 00---1.11E 01	7.915E-01	1.060E 00	9.470E-01	1.123E 00	1.078E 00	1.207E 00	1.211E 00	1.198E 00	1.167E 01
5.83E-04---1.35E-02	7.658E-01	7.967E-01	8.308E-01	8.506E-01	8.810E-01	9.011E-01	9.232E-01	9.350E-01	9.769E 00
1.01E-04---5.83E-04	4.444E-01	4.609E-01	4.727E-01	4.844E-01	4.955E-01	5.052E-01	5.129E-01	5.176E-01	5.631E-01
2.90E-05---1.01E-04	1.879E-02	1.921E-02	2.003E-02	2.041E-02	2.074E-02	2.098E-02	2.113E-02	2.352E-03	3.047E-03
1.07E-05---2.90E-05	5.39E-02	5.446E-02	5.553E-02	5.657E-02	5.752E-02	5.832E-02	5.892E-02	5.927E-02	6.680E-03
1.11E-01---5.50E-01	1.227E-01	1.646E-01	1.957E-01	1.995E-01	2.042E-01	2.495E-01	2.902E-01	4.627E-01	1.897E 00
2.35E 00---1.11E 01	7.915E-01	1.060E 00	9.470E-01	1.123E 00	1.078E 00	1.207E 00	1.211E 00	1.198E 00	1.167E 01
5.83E-04---1.35E-02	7.658E-01	7.967E-01	8.308E-01	8.506E-01	8.810E-01	9.011E-01	9.232E-01	9.350E-01	9.769E 00
1.01E-04---5.83E-04	4.444E-01	4.609E-01	4.727E-01	4.844E-01	4.955E-01	5.052E-01	5.129E-01	5.176E-01	5.631E-01
2.90E-05---1.01E-04	1.879E-02	1.921E-02	2.003E-02	2.041E-02	2.074E-02	2.098E-02	2.113E-02	2.352E-03	3.047E-03
1.07E-05---2.90E-05	5.39E-02	5.446E-02	5.553E-02	5.657E-02	5.752E-02	5.832E-02	5.892E-02	5.927E-02	6.680E-03
1.11E-01---5.50E-01	1.227E-01	1.646E-01	1.957E-01	1.995E-01	2.042E-01	2.495E-01	2.902E-01	4.627E-01	1.897E 00
2.35E 00---1.11E 01	7.915E-01	1.060E 00	9.470E-01	1.123E 00	1.078E 00	1.207E 00	1.211E 00	1.198E 00	1.167E 01
5.83E-04---1.35E-02	7.658E-01	7.967E-01	8.308E-01	8.506E-01	8.810E-01	9.011E-01	9.232E-01	9.350E-01	9.769E 00
1.01E-04---5.83E-04	4.444E-01	4.609E-01	4.727E-01	4.844E-01	4.955E-01	5.052E-01	5.129E-01	5.176E-01	5.631E-01
2.90E-05---1.01E-04	1.879E-02	1.921E-02	2.003E-02	2.041E-02	2.074E-02	2.098E-02	2.113E-02	2.352E-03	3.047E-03
1.07E-05---2.90E-05	5.39E-02	5.446E-02	5.553E-02	5.657E-02	5.752E-02	5.832E-02	5.892E-02	5.927E-02	6.680E-03
1.11E-01---5.50E-01	1.227E-01	1.646E-01	1.957E-01	1.995E-01	2.042E-01	2.495E-01	2.902E-01	4.627E-01	1.897E 00
2.35E 00---1.11E 01	7.915E-01	1.060E 00	9.470E-01	1.123E 00	1.078E 00	1.207E 00	1.211E 00	1.198E 00	1.167E

4 PI R**2 FLUENCE AT 300.0 METERS

FISSION SOURCE

(NEUTRONS/MEV/STERADIAN/SOURCE NEUTRONS)

ENERGY GROUP (MEV)	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
1.22E 01---1.50E 01	-5.97E-08	-4.873E-08	-1.655E-08	3.332E-09	1.162E-08	-7.024E-09	-8.610E-09	5.546E-09	MU=-0.2816
1.00E 01---1.22E 01	-3.62E-07	-2.215E-07	-4.458E-06	1.033E-07	2.854E-07	1.240E-07	1.069E-07	3.224E-07	MU=-0.4580
8.19E 00---1.00E 01	-6.49E-07	-3.346E-07	2.898E-07	1.365E-06	1.856E-06	1.778E-06	1.592E-06	2.039E-06	MU=-0.0950
6.36E 00---8.19E 00	9.75E-06	9.892E-06	9.892E-06	1.000E-05	1.199E-05	1.347E-05	1.676E-05	2.314E-05	MU=-0.179
4.97E 00---6.36E 00	8.84E-05	8.773E-05	8.561E-05	8.400E-05	8.851E-05	1.017E-04	1.260E-04	1.608E-04	MU=-0.179
4.07E 00---4.97E 00	3.481E-04	3.448E-04	3.610E-04	3.835E-04	4.124E-04	4.470E-04	4.880E-04	5.379E-04	MU=-0.179
3.01E 00---4.07E 00	8.036E-04	8.042E-04	8.070E-04	8.133E-04	8.252E-04	8.463E-04	8.820E-04	9.409E-04	MU=-0.179
2.46E 00---3.01E 00	2.732E-03	2.759E-03	2.744E-03	2.717E-03	2.687E-03	2.671E-03	2.698E-03	2.813E-03	MU=-0.179
2.35E 00---2.46E 00	4.246E-03	4.223E-03	4.211E-03	4.243E-03	4.362E-03	4.620E-03	5.079E-03	5.830E-03	MU=-0.179
5.83E 00---3.35E 00	5.365E-03	5.418E-03	5.715E-03	6.044E-03	6.559E-03	8.424E-03	8.424E-03	8.424E-03	MU=-0.179
1.11E 00---1.83E 00	1.190E-02	1.194E-02	1.210E-02	1.243E-02	1.295E-02	1.372E-02	1.480E-02	1.626E-02	MU=-0.179
5.50E-01---1.11E 00	3.659E-02	3.670E-02	3.716E-02	3.808E-02	3.947E-02	4.146E-02	4.418E-02	5.261E-02	MU=-0.179
1.01E-01---5.50E-01	1.02E-01	1.035E-01	1.046E-01	1.068E-01	1.080E-01	1.144E-01	1.200E-01	1.357E-01	MU=-0.179
3.45E-02---1.11E-01	9.050E-01	9.156E-01	9.275E-01	9.447E-01	9.675E-01	9.896E-01	9.958E-01	1.070E-00	MU=-0.179
5.83E-04---3.35E-02	8.468E-01	8.474E-01	8.522E-01	8.609E-01	8.734E-01	8.896E-01	9.095E-01	9.329E-01	MU=-0.179
1.01E-04---5.83E-04	5.277E-01	5.304E-01	5.423E-01	5.514E-01	5.514E-01	5.899E-01	5.899E-01	5.899E-01	MU=-0.179
2.90E-05---1.01E-04	2.319E-02	2.330E-02	2.350E-02	2.378E-02	2.415E-02	2.459E-02	2.511E-02	2.511E-02	MU=-0.179
1.07E-05---2.90E-05	6.834E-02	6.822E-02	6.852E-02	6.909E-02	6.988E-02	7.092E-02	7.216E-02	7.522E-02	MU=-0.179
3.06E-06---1.07E-05	1.836E-03	1.838E-03	1.846E-03	1.860E-03	1.880E-03	1.906E-03	1.938E-03	2.015E-03	MU=-0.179
1.12E-06---3.06E-06	4.930E-03	4.935E-03	4.955E-03	4.991E-03	5.043E-03	5.109E-03	5.281E-03	5.383E-03	MU=-0.179
4.14E-07---1.12E-06	1.080E-04	1.081E-04	1.085E-04	1.092E-04	1.103E-04	1.117E-04	1.153E-04	1.174E-04	MU=-0.179
0.0	1.575E-04	1.575E-04	1.580E-04	1.591E-04	1.605E-04	1.623E-04	1.644E-04	1.668E-04	MU=-0.179
1.22E 01---1.50E 01	4.662E-08	4.662E-08	4.662E-08	4.662E-08	4.662E-08	4.662E-08	4.662E-08	4.662E-08	MU= 0.9446
1.00E 01---1.22E 01	7.005E-07	1.02E-01	1.046E-01	1.068E-01	1.080E-01	1.144E-01	1.200E-01	1.357E-01	MU= 0.9446
8.19E 00---1.00E 01	6.255E-06	8.406E-06	1.153E-05	1.637E-05	3.235E-05	7.877E-05	2.286E-04	2.666E-03	MU= 0.9446
6.36E 00---8.19E 00	4.563E-05	4.594E-05	7.689E-05	1.133E-04	2.114E-04	4.544E-04	4.152E-03	1.129E-02	MU= 0.9446
4.97E 00---6.36E 00	3.081E-04	3.081E-04	4.188E-04	6.000E-04	1.013E-03	1.896E-03	4.152E-03	3.156E-03	MU= 0.9446
4.07E 00---4.97E 00	6.553E-04	8.458E-04	1.019E-03	1.480E-03	2.260E-03	3.961E-03	7.939E-03	4.584E-02	MU= 0.9446
3.01E 00---4.07E 00	1.256E-03	1.442E-03	2.033E-03	2.895E-03	4.668E-03	7.952E-03	1.552E-02	8.165E-02	MU= 0.9446
2.46E 00---3.01E 00	3.364E-03	5.719E-03	8.478E-03	8.478E-03	8.478E-03	2.080E-02	4.072E-02	4.272E-02	MU= 0.9446
2.35E 00---2.46E 00	6.720E-03	1.152E-02	1.659E-02	2.407E-02	3.872E-02	7.208E-02	1.272E-01	2.194E-01	MU= 0.9446
1.83E 00---2.35E 00	9.600E-02	1.250E-02	1.510E-02	2.029E-02	2.716E-02	3.984E-02	6.524E-02	2.214E-01	MU= 0.9446
1.11E 00---1.83E 00	1.998E-02	2.509E-02	2.875E-02	3.670E-02	4.600E-02	6.260E-02	9.150E-02	3.622E-01	MU= 0.9446
5.50E-01---1.11E 00	5.776E-02	6.817E-02	7.753E-02	9.375E-02	1.130E-01	1.439E-01	1.923E-01	4.041E-01	MU= 0.9446
1.11E-01---5.50E-01	1.545E-01	1.772E-01	1.891E-01	2.154E-01	2.373E-01	2.722E-01	3.328E-01	1.950E-00	MU= 0.9446
3.35E-02---1.11E-01	1.11E-01	1.122E-00	1.122E-00	1.248E-00	1.367E-00	1.367E-00	1.436E-00	1.410E-01	MU= 0.9446
5.83E-04---3.35E-02	9.835E-01	1.023E-00	1.051E-00	1.088E-00	1.117E-00	1.117E-00	1.167E-00	1.181E-01	MU= 0.9446
1.01E-04---5.83E-04	6.038E-04	6.226E-04	6.399E-04	6.570E-04	6.729E-04	6.867E-04	6.973E-04	7.036E-04	MU= 0.9446
2.90E-05---1.01E-04	2.632E-02	2.632E-02	2.698E-02	2.831E-02	2.891E-02	2.943E-02	2.982E-02	3.005E-02	MU= 0.9446
1.07E-05---2.90E-05	7.697E-02	8.065E-02	8.405E-02	8.407E-02	8.547E-02	8.652E-02	8.713E-02	9.627E-03	MU= 0.9446
3.06E-06---1.07E-05	2.058E-03	2.103E-03	2.149E-03	2.193E-03	2.232E-03	2.266E-03	2.291E-03	2.306E-03	MU= 0.9446
1.12E-06---3.06E-06	5.492E-03	5.605E-03	5.718E-03	5.826E-03	5.924E-03	6.007E-03	6.068E-03	6.103E-03	MU= 0.9446
4.14E-07---1.12E-06	1.196E-04	1.243E-04	1.265E-04	1.301E-04	1.313E-04	1.3835E-04	1.421E-04	1.495E-05	MU= 0.9446
0.0	-4.14E-07	1.723E-04	1.753E-04	1.782E-04	1.810E-04	1.835E-04	1.878E-04	2.156E-05	MU= 0.9446

4 PI R**2 FLUENCE AT 400.0 METERS

FISSION SOURCE

(NEUTRONS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
1.22E 01---1.50E 01	MU=-1.0000 -3.594E-08	MU=-0.9446 -2.930E-08	MU=0.8658 -9.367E-09	MU=-0.7550 3.736E-09	MU=-0.4580 6.301E-09	MU=-0.6179 -5.336E-09	MU=-0.2816 -5.231E-09	MU=-0.0950 5.747E-09	MU=0.0950 5.747E-09
1.00E 01---1.22E 01	-2.274E-07	-1.755E-07	-2.361E-08	8.375E-08	1.965E-07	1.663E-07	7.397E-08	7.670E-08	2.790E-07
8.19E 00---1.00E 01	-4.263E-07	2.600E-07	1.022E-06	1.334E-06	1.253E-06	1.133E-06	1.535E-06	2.788E-06	2.654E-05
6.36E 00---8.19E 00	6.735E-06	7.533E-06	8.466E-06	9.309E-06	1.033E-05	1.346E-05	1.874E-05	1.638E-04	1.638E-04
4.97E 00---6.36E 00	6.902E-05	6.854E-05	6.724E-05	6.696E-05	8.232E-05	1.021E-04	1.299E-04	4.158E-04	4.653E-04
4.07E 00---4.97E 00	2.689E-04	2.713E-04	2.809E-04	3.195E-04	3.176E-02	3.775E-04	4.178E-04	4.029E-02	4.029E-02
3.01E 00---4.07E 00	5.948E-04	5.961E-04	5.994E-04	6.092E-04	6.216E-04	6.478E-04	6.924E-04	7.669E-04	7.669E-04
2.46E 00---3.01E 00	1.887E-03	1.887E-03	1.879E-03	1.867E-03	1.876E-03	1.859E-03	1.899E-03	2.012E-03	2.244E-03
2.35E 00---2.46E 00	2.936E-03	2.937E-03	2.934E-03	2.970E-03	3.041E-03	3.187E-03	3.045E-03	4.517E-03	4.517E-03
1.83E 00---2.35E 00	4.177E-03	4.187E-03	4.233E-03	4.334E-03	4.511E-03	4.799E-03	5.236E-03	5.875E-03	6.785E-03
1.11E 00---1.83E 00	9.440E-03	9.471E-03	9.639E-03	9.871E-03	1.029E-02	1.092E-02	1.178E-02	1.295E-02	1.452E-02
5.50E-01---1.11E 00	3.045E-02	3.056E-02	3.177E-02	3.177E-02	3.766E-02	3.766E-02	4.444E-02	4.444E-02	4.444E-02
1.11E-01---5.50E-01	9.223E-02	9.243E-02	9.352E-02	9.551E-02	9.841E-02	1.023E-01	1.074E-01	1.136E-01	1.213E-01
3.35E-02---1.11E-01	8.798E-01	8.814E-01	8.814E-01	8.997E-01	9.167E-01	9.291E-01	9.669E-01	1.000E-00	1.038E-00
5.83E-04---3.35E-02	8.464E-01	8.476E-01	8.525E-01	8.615E-01	8.743E-01	8.911E-01	9.115E-01	9.356E-01	9.629E-01
1.02E-04---5.83E-04	5.439E-01	5.439E-01	5.468E-01	5.522E-01	5.598E-01	5.697E-01	5.816E-01	5.957E-01	6.114E-01
2.90E-05---1.01E-04	2.438E-02	2.441E-02	2.473E-02	2.476E-02	2.508E-02	2.559E-02	2.599E-02	2.658E-02	2.723E-02
1.07E-05---2.90E-05	7.295E-02	7.303E-02	7.339E-02	7.405E-02	7.497E-02	7.618E-02	7.763E-02	7.932E-02	8.121E-02
3.06E-06---1.07E-05	2.006E-03	2.008E-03	2.017E-03	2.035E-03	2.059E-03	2.090E-03	2.173E-03	2.222E-03	2.222E-03
1.12E-06---3.06E-06	5.462E-03	5.475E-03	5.499E-03	5.545E-03	5.608E-03	5.691E-03	5.790E-03	5.905E-03	6.033E-03
4.14E-07---1.12E-06	1.216E-04	1.221E-04	1.231E-04	1.245E-04	1.262E-04	1.283E-04	1.308E-04	1.335E-04	1.335E-04
0.0	-4.14E-07	1.797E-04	1.799E-04	1.800E-04	1.819E-04	1.838E-04	1.889E-04	1.921E-04	1.956E-04
ENERGY GROUP (MEV)	ANGLE 10	ANGLE 11	ANGLE 12	ANGLE 13	ANGLE 14	ANGLE 15	ANGLE 16	ANGLE 17	SCALAR FLUX
1.22E 01---1.50E 01	MU= 0.0950	MU= 0.2816	MU= 0.4580	MU= 0.6179	MU= 0.7550	MU= 0.8656	MU= 0.9446	MU= 0.9894	7.611E-06
1.00E 01---1.22E 01	3.29E-08	6.124E-08	7.909E-08	1.239E-07	3.271E-07	1.029E-06	3.263E-06	3.016E-05	7.202E-05
3.19E 00---1.00E 01	4.675E-06	6.759E-06	8.896E-06	1.197E-06	1.787E-06	1.016E-05	2.959E-05	2.695E-04	4.581E-04
6.36E 00---8.19E 00	3.592E-05	4.513E-05	5.522E-05	1.339E-05	2.636E-05	6.645E-05	1.788E-04	1.668E-03	2.312E-03
4.97E 00---6.36E 00	2.025E-04	2.547E-04	3.363E-04	4.977E-04	8.300E-04	1.545E-03	3.273E-03	2.041E-02	8.359E-03
4.07E 00---4.97E 00	5.373E-04	6.367E-04	8.228E-04	1.153E-03	1.794E-03	3.091E-03	5.935E-03	2.701E-02	1.583E-02
3.01E 00---4.07E 00	8.808E-04	1.116E-03	1.490E-03	2.177E-03	3.911E-03	6.674E-03	1.302E-02	4.302E-02	2.662E-02
2.46E 00---3.01E 00	2.678E-03	3.345E-03	4.538E-03	6.466E-03	9.885E-03	1.626E-02	3.089E-02	1.578E-01	8.677E-02
2.35E 00---2.46E 00	5.540E-03	7.035E-03	9.449E-03	1.336E-02	1.999E-02	3.207E-02	5.924E-02	2.938E-01	1.677E-01
1.83E 00---2.35E 00	8.105E-03	9.843E-03	1.248E-02	1.621E-02	2.200E-02	3.466E-02	5.005E-02	1.646E-01	1.646E-01
1.11E 00---1.83E 00	1.670E-02	2.129E-02	2.832E-02	3.585E-02	4.689E-02	6.575E-02	1.391E-01	2.731E-01	7.433E-01
5.50E-01---1.11E 00	5.000E-02	5.682E-02	6.625E-02	7.827E-02	9.467E-02	1.171E-01	1.516E-01	2.563E-01	7.433E-01
1.11E-01---5.50E-01	1.254E-01	1.422E-01	1.538E-01	1.696E-01	1.858E-01	2.054E-01	2.259E-01	2.530E-01	1.711E-00
3.35E-02---1.11E-01	1.062E-01	1.139E-00	1.173E-00	1.237E-00	1.279E-00	1.333E-00	1.366E-00	1.394E-00	1.360E-01
5.83E-04---3.35E-02	9.951E-02	1.024E-00	1.059E-00	1.090E-00	1.122E-00	1.148E-00	1.169E-00	1.182E-00	1.184E-01
1.01E-04---5.83E-04	6.286E-01	6.446E-01	6.653E-01	6.838E-01	7.007E-01	7.153E-01	7.264E-01	7.329E-01	7.866E-02
2.90E-05---1.01E-04	2.795E-02	2.869E-02	2.945E-02	3.019E-02	3.087E-02	3.185E-02	3.198E-02	3.215E-02	3.495E-03
1.07E-05---2.90E-05	8.326E-02	8.540E-02	8.757E-02	8.968E-02	9.160E-02	9.324E-02	9.448E-02	9.520E-02	1.041E-04
3.06E-06---1.01E-05	2.275E-03	2.331E-03	2.386E-03	2.440E-03	2.489E-03	2.531E-03	2.562E-03	2.580E-03	2.844E-04
1.12E-06---3.06E-06	6.171E-03	6.314E-03	6.459E-03	6.596E-03	6.721E-03	6.827E-03	6.906E-03	6.952E-03	7.144E-04
4.14E-07---1.12E-06	1.364E-04	1.394E-04	1.425E-04	1.454E-04	1.480E-04	1.502E-04	1.528E-04	1.575E-04	1.705E-05
0.0	-4.14E-07	1.994E-04	2.034E-04	2.073E-04	2.111E-04	2.145E-04	2.173E-04	2.193E-04	2.494E-05

4 PI R**2 FLUENCE AT 500.0 METERS

FISSION SOURCE

(NEUTRONS/MEV/STERADIANT/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=1.0000	ANGLE 2 MU=-0.9894	ANGLE 3 MU=-0.9446	ANGLE 4 MU=-0.8656	ANGLE 5 MU=-0.7530	ANGLE 6 MU=-0.6179	ANGLE 7 MU=-0.4580	ANGLE 8 MU=-0.2816	ANGLE 9 MU=0.0950
1.22E 01---1.50E 01	-2.101E-08	-1.711E-08	-5.212E-09	2.960E-09	1.103E-08	3.424E-09	-3.518E-09	-2.732E-09	5.07E-09
1.00E 01---1.22E 01	-1.384E-07	-1.063E-07	-8.651E-09	5.961E-08	9.629E-08	4.689E-08	5.594E-08	1.826E-07	1.113E-06
8.15E 00---1.00E 01	-2.734E-07	-1.285E-07	-2.038E-07	7.206E-07	9.141E-07	8.513E-07	7.842E-07	2.061E-06	2.034E-05
6.36E 00---8.19E 00	4.942E-06	5.084E-06	5.572E-06	6.231E-06	6.910E-06	8.002E-06	1.026E-05	1.436E-05	1.246E-04
4.97E 00---6.36E 00	5.159E-05	5.120E-05	5.066E-05	5.424E-05	6.312E-05	7.827E-05	9.920E-05	1.246E-05	1.246E-04
4.07E 00---4.97E 00	1.996E-04	2.013E-04	2.081E-04	2.201E-04	2.357E-04	2.548E-04	2.778E-04	3.061E-04	3.29E-04
3.01E 00---4.07E 00	4.204E-04	4.204E-04	4.207E-04	4.223E-04	4.268E-04	4.366E-04	4.550E-04	4.870E-04	5.610E-04
2.46E 00---3.01E 00	1.142E-03	1.241E-03	1.238E-03	1.234E-03	1.234E-03	1.234E-03	1.287E-03	1.384E-03	1.569E-03
2.35E 00---2.46E 00	1.957E-03	1.953E-03	1.957E-03	2.013E-03	2.092E-03	2.222E-03	2.451E-03	2.794E-03	3.312E-03
1.83E 00---2.35E 00	3.083E-03	3.073E-03	3.122E-03	3.210E-03	3.355E-03	3.585E-03	3.926E-03	4.420E-03	5.119E-03
1.11E 00---1.83E 00	7.030E-03	7.130E-03	7.333E-03	7.651E-03	8.116E-03	8.761E-03	9.633E-03	1.079E-02	1.079E-02
5.50E-01---1.11E 00	2.342E-02	2.350E-02	2.384E-02	2.449E-02	2.548E-02	2.688E-02	2.877E-02	3.128E-02	3.455E-02
1.11E-01---5.50E-01	7.98E-02	7.519E-02	7.605E-02	7.768E-02	8.006E-02	8.28E-02	8.739E-02	9.250E-02	9.671E-02
3.35E-02---1.11E-01	7.585E-01	7.598E-01	7.655E-01	7.759E-01	7.908E-01	8.105E-01	8.347E-01	8.636E-01	8.970E-01
5.83E-04---3.35E-02	7.441E-01	7.496E-01	7.692E-01	7.692E-01	7.692E-01	8.026E-01	8.424E-01	8.844E-01	9.194E-01
1.01E-04---5.83E-04	4.876E-01	4.902E-01	4.952E-01	5.022E-01	5.113E-01	5.224E-01	5.354E-01	5.499E-01	5.599E-01
2.90E-05---1.01E-04	2.215E-02	2.218E-02	2.229E-02	2.251E-02	2.281E-02	2.320E-02	2.368E-02	2.423E-02	2.485E-02
1.07E-05---2.90E-05	6.701E-02	6.709E-02	6.744E-02	6.807E-02	6.896E-02	7.022E-02	7.152E-02	7.315E-02	7.497E-02
3.06E-06---1.07E-05	1.870E-03	1.870E-03	1.879E-03	1.896E-03	1.920E-03	1.951E-03	1.989E-03	2.033E-03	2.081E-03
1.12E-06---3.06E-06	5.447E-02	5.153E-03	5.178E-03	5.223E-03	5.287E-03	5.370E-03	5.470E-03	5.586E-03	5.715E-03
4.14E-07---1.12E-06	1.155E-04	1.156E-04	1.162E-04	1.172E-04	1.185E-04	1.203E-04	1.225E-04	1.250E-04	1.278E-04
0.0 ---4.14E-07	1.127E-04	1.729E-04	1.737E-04	1.751E-04	1.770E-04	1.794E-04	1.823E-04	1.856E-04	1.894E-04
ENERGY GROUP (MEV)	ANGLE 11 MU=0.0950	ANGLE 12 MU=0.4580	ANGLE 13 MU=0.6179	ANGLE 14 MU=0.7530	ANGLE 15 MU=0.8656	ANGLE 16 MU=0.9446	ANGLE 17 SCALAR FLUX MU=0.9894		
1.22E 01---1.50E 01	2.386E-08	4.188E-08	5.480E-08	8.857E-08	2.348E-07	7.211E-07	2.020E-06	1.683E-06	4.573E-06
1.00E 01---1.22E 01	4.005E-07	6.293E-07	8.456E-07	1.296E-06	2.801E-06	7.392E-06	2.093E-05	1.577E-04	4.555E-05
8.19E 00---1.00E 01	3.444E-06	4.975E-06	6.633E-06	1.010E-05	4.965E-05	1.342E-04	4.022E-04	3.089E-04	4.042E-04
6.36E 00---8.19E 00	2.760E-05	3.606E-05	4.888E-05	7.616E-05	1.427E-04	3.038E-04	7.209E-04	6.607E-03	1.630E-03
4.97E 00---6.36E 00	1.556E-04	1.940E-04	2.591E-04	3.851E-04	6.426E-04	1.83E-	2.445E-03	1.257E-02	5.862E-03
4.07E 00---4.97E 00	3.944E-04	4.751E-04	6.122E-04	8.634E-04	1.332E-03	4.212E-03	1.07E-03	2.93E-02	1.095E-02
3.01E 00---4.07E 00	6.326E-04	7.880E-04	1.058E-03	1.524E-03	2.340E-03	3.815E-03	6.807E-03	2.281E-02	1.780E-02
2.46E 00---3.01E 00	1.892E-03	2.429E-03	3.330E-03	4.784E-03	7.332E-03	1.207E-02	2.254E-02	9.900E-02	6.011E-02
2.35E 00---2.46E 00	4.091E-03	5.288E-03	7.166E-03	1.023E-02	1.543E-02	2.499E-02	4.600E-02	2.000E-01	1.231E-01
1.83E 00---2.35E 00	6.098E-03	7.480E-03	9.43E-03	1.228E-02	1.654E-02	2.340E-02	3.621E-02	1.023E-01	1.210E-01
1.11E 00---1.83E 00	1.431E-02	1.703E-02	1.707E-02	2.079E-02	2.592E-02	3.331E-02	4.490E-02	7.966E-02	1.554E-01
5.50E-01---1.11E 00	3.880E-02	4.433E-02	5.143E-02	6.075E-02	7.288E-02	8.907E-02	1.120E-01	1.652E-01	5.720E-01
1.11E-01---5.50E-01	1.063E-01	1.148E-01	1.255E-01	1.365E-01	1.493E-01	1.693E-01	1.766E-01	1.900E-01	1.382E-00
3.25E-02---1.11E-01	9.382E-03	9.732E-03	1.019E-03	1.061E-03	1.105E-03	1.174E-03	1.192E-02	1.174E-01	1.174E-01
5.83E-04---3.25E-02	8.445E-03	9.037E-03	9.322E-03	9.615E-03	9.881E-03	1.011E-03	1.029E-02	1.040E-01	1.095E-01
1.01E-04---5.83E-04	5.658E-01	5.825E-01	5.996E-01	6.163E-01	6.317E-01	6.549E-01	6.607E-01	7.076E-01	7.076E-01
2.90E-05---1.01E-04	2.552E-02	2.623E-02	2.694E-02	2.764E-02	2.828E-02	2.882E-02	2.947E-02	3.191E-03	3.191E-03
1.07E-05---2.90E-05	7.695E-02	7.902E-02	8.112E-02	8.315E-02	8.501E-02	8.656E-02	8.777E-02	9.20E-02	9.20E-02
3.06E-06---1.07E-05	2.134E-03	2.189E-03	2.245E-03	2.298E-03	2.347E-03	2.388E-03	2.419E-03	2.437E-03	2.667E-04
1.12E-06---3.06E-06	6.000E-03	6.145E-03	6.286E-03	6.414E-03	6.524E-03	6.602E-03	6.649E-03	7.317E-04	7.317E-04
4.14E-07---1.12E-06	1.308E-04	1.340E-04	1.371E-04	1.401E-04	1.428E-04	1.469E-04	1.478E-04	1.635E-04	1.635E-04
0.0 ---4.14E-07	1.733E-04	1.975E-04	2.017E-04	2.057E-04	2.122E-04	2.144E-04	2.156E-04	2.417E-05	2.417E-05

4 PI R**2 FLUENCE AT 600.0 METERS

FISSION SOURCE

(NEUTRONS/MEV/STERADIANT/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=0.1000	ANGLE 2 MU=0.5894	ANGLE 3 MU=0.9446	ANGLE 4 MU=-0.9446	ANGLE 5 MU=-0.8656	ANGLE 6 MU=-0.7550	ANGLE 7 MU=-0.6179	ANGLE 8 MU=-0.4580	ANGLE 9 MU=-0.0950
1.22E 01---1.50E 01	-1.203E-08	-9.331E-09	-2.877E-09	-2.400E-09	2.063E-09	6.5569E-09	1.835E-09	-2.141E-09	-1.279E-09
1.00E 01---1.22E 01	-8.286E-08	-6.335E-08	-1.400E-09	-1.485E-07	4.014E-08	8.087E-08	5.836E-08	2.785E-08	4.036E-08
1.19E 00---1.00E 01	-1.739E-07	-7.01E-08	-1.935E-07	-1.935E-07	6.097E-07	6.097E-07	5.664E-07	5.331E-07	1.473E-07
6.36E 00---8.19E 00	3.524E-06	3.625E-06	3.975E-06	4.438E-06	4.985E-06	5.845E-06	7.571E-06	1.063E-05	1.503E-05
4.97E 00---6.36E 00	3.734E-05	3.717E-05	3.576E-05	3.717E-05	4.005E-05	4.675E-05	7.589E-05	9.143E-05	9.304E-05
4.07E 00---4.97E 00	1.473E-04	1.494E-04	1.494E-04	1.494E-04	1.878E-04	2.887E-04	2.887E-04	2.921E-04	2.186E-04
3.01E 00---4.07E 00	2.888E-04	2.888E-04	2.888E-04	2.888E-04	2.894E-04	2.984E-04	2.984E-04	3.101E-04	3.331E-04
2.46E 00---3.01E 00	7.981E-04	7.981E-04	7.974E-04	7.974E-04	7.973E-04	8.008E-04	8.148E-04	8.555E-04	9.281E-04
3.35E 00---2.46E 00	1.271E-03	1.275E-03	1.293E-03	1.333E-03	1.403E-03	1.403E-03	1.517E-03	1.692E-03	1.955E-03
1.83E 00---2.35E 00	2.182E-03	2.189E-03	2.222E-03	2.290E-03	2.402E-03	2.575E-03	2.825E-03	3.192E-03	3.705E-03
1.11E 00---1.83E 00	4.950E-03	5.007E-03	5.079E-03	5.255E-03	5.452E-03	5.785E-03	6.255E-03	6.865E-03	7.684E-03
5.50E-01---1.11E 00	1.714E-02	1.720E-02	1.745E-02	1.745E-02	1.794E-02	1.869E-02	1.974E-02	2.116E-02	2.451E-04
1.11E-01---5.50E-01	5.731E-02	5.746E-02	5.813E-02	5.939E-02	6.122E-02	6.370E-02	6.686E-02	7.078E-02	7.553E-02
3.35E-02---1.11E-01	6.061E-01	6.072E-01	6.117E-01	6.202E-01	6.322E-01	6.481E-01	6.676E-01	6.909E-01	7.177E-01
5.83E-04---3.35E-02	6.029E-01	6.037E-01	6.074E-01	6.140E-01	6.235E-01	6.359E-01	6.595E-01	6.884E-01	7.343E-03
1.01E-04---5.83E-04	4.025E-01	4.025E-01	4.025E-01	4.125E-01	4.202E-01	4.295E-01	4.395E-01	4.525E-01	4.525E-01
2.90E-05---1.01E-04	1.835E-02	1.838E-02	1.848E-02	1.866E-02	1.891E-02	1.925E-02	1.965E-02	2.012E-02	2.064E-02
1.07E-05---2.90E-05	5.594E-02	5.601E-02	5.634E-02	5.685E-02	5.762E-02	5.862E-02	5.982E-02	6.122E-02	6.279E-02
3.06E-06---1.07E-05	1.574E-03	1.576E-03	1.584E-03	1.599E-03	1.620E-03	1.647E-03	1.680E-03	1.718E-03	1.761E-03
1.12E-06---3.06E-06	4.371E-03	4.376E-03	4.398E-03	4.498E-03	4.565E-03	4.656E-03	4.759E-03	4.873E-03	4.873E-03
4.14E-07---1.12E-06	9.878E-03	9.889E-03	9.938E-03	1.003E-04	1.015E-04	1.031E-04	1.051E-04	1.073E-04	1.098E-04
0.0 ---4.14E-07	1.489E-04	1.491E-04	1.497E-04	1.510E-04	1.527E-04	1.549E-04	1.575E-04	1.606E-04	1.639E-04
ENERGY GROUP (MEV)	ANGLE 11 MU= 0.0950	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.2816	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.6179	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9894	SCALAR	FLUX
1.22E 01---1.50E 01	1.501E-08	2.427E-08	3.642E-08	6.006E-08	1.615E-08	4.854E-07	4.854E-06	2.735E-06	2.735E-06
1.00E 01---1.22E 01	2.746E-07	4.267E-07	5.774E-07	9.050E-07	9.738E-07	5.172E-06	1.411E-05	9.226E-05	2.862E-05
8.19E 30---1.00E 01	2.477E-06	3.545E-06	4.769E-06	7.433E-06	1.517E-05	3.686E-05	9.762E-05	6.509E-04	2.068E-04
6.36E 30---8.19E 00	2.039E-05	2.680E-05	3.674E-05	5.820E-05	1.905E-04	2.315E-04	5.378E-04	1.138E-03	2.424E-03
4.97E 00---6.36E 00	1.033E-04	1.929E-04	1.922E-04	1.922E-04	4.780E-04	9.714E-04	1.714E-03	7.753E-03	4.052E-03
4.07E 30---4.97E 00	2.827E-04	3.416E-04	4.421E-04	6.226E-04	9.539E-04	1.580E-03	2.884E-03	9.410E-03	7.443E-03
3.01E 00---4.07E 00	4.339E-04	5.408E-04	7.223E-04	1.031E-03	1.556E-03	2.479E-03	4.267E-03	1.132E-02	1.218E-02
2.46E 00---3.01E 00	1.308E-03	2.005E-03	2.340E-03	5.420E-03	8.622E-03	1.622E-03	2.911E-03	4.078E-02	4.078E-02
2.35E 00---2.46E 00	2.922E-03	3.808E-03	5.008E-03	7.495E-03	1.142E-02	1.865E-02	3.435E-02	1.349E-01	8.785E-02
1.83E 00---2.35E 00	4.422E-03	5.427E-03	6.848E-03	8.892E-03	1.192E-02	1.669E-02	2.555E-02	6.195E-02	8.488E-02
1.11E 00---1.83E 00	8.763E-03	1.019E-02	1.208E-02	1.464E-02	1.804E-02	2.280E-02	2.981E-02	4.660E-02	5.354E-01
5.50E-01---1.11E 00	2.864E-02	3.272E-02	3.796E-02	4.469E-02	5.333E-02	6.453E-02	7.955E-02	1.072E-01	4.166E-01
1.11E-01---5.50E-01	8.118E-02	9.540E-02	9.540E-02	1.039E-01	1.132E-01	1.227E-01	1.316E-01	1.052E-00	1.393E-01
3.35E-02---1.11E-01	7.471E-01	7.805E-01	8.144E-01	8.493E-01	8.823E-01	9.120E-01	9.313E-01	9.387E-00	9.387E-01
5.82E-04---3.35E-02	7.103E-01	7.332E-01	7.570E-01	7.802E-01	8.017E-01	8.202E-01	8.333E-01	8.426E-01	8.885E-01
1.01E-04---5.83E-04	4.657E-01	4.797E-01	4.939E-01	5.077E-01	5.204E-01	5.313E-01	5.355E-01	5.443E-01	5.823E-02
2.90E-05---1.01E-04	2.122E-02	2.181E-02	2.242E-02	2.301E-02	2.355E-02	2.400E-02	2.455E-02	2.652E-02	3.023E-02
1.07E-05---2.90E-05	6.449E-02	6.627E-02	6.807E-02	6.981E-02	7.140E-02	7.275E-02	7.376E-02	7.435E-02	8.061E-03
3.06E-06---1.07E-05	1.807E-03	1.855E-03	1.903E-03	1.993E-03	2.029E-03	2.056E-03	2.072E-03	2.072E-03	2.258E-04
1.12E-06---3.06E-06	4.997E-03	5.252E-03	5.380E-03	5.493E-03	5.588E-03	5.660E-03	5.701E-03	6.244E-04	6.244E-04
4.14E-07---1.12E-06	1.125E-04	1.153E-04	1.181E-04	1.209E-04	1.254E-04	1.269E-04	1.278E-04	1.406E-05	1.406E-05
0.0 ---4.14E-07	1.675E-04	1.713E-04	1.752E-04	1.798E-04	1.848E-04	1.868E-04	1.880E-04	2.095E-05	2.095E-05

4 PI R**2 FLUENCE AT 900.0 METERS

FISSION SOURCE

(NEUTRONS/MEV/STERADIANS/SOURCE NEUTRON)

ENERGY GROUP (MeV)	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
1.22E 01---1.50E 01	MU=-1.00E 09	MU=-0.9894	MU=-0.9446	MU=-0.8656	MU=-0.7550	MU=-0.6179	MU=-0.4580	MU=-0.2816	MU=-0.0950
1.00E 01---1.22E 01	-2.194E-09	-1.780E-09	-4.741E-10	5.174E-10	1.267E-09	2.93E-10	-3.841E-10	-1.164E-09	1.314E-09
8.19E 00---1.00E 01	-1.701E-08	-1.288E-08	2.158E-10	1.039E-08	1.855E-08	1.255E-08	7.143E-09	1.326E-08	3.810E-08
6.36E 00---8.19E 00	-4.433E-08	-1.636E-08	1.379E-07	1.662E-07	1.662E-07	1.567E-07	2.505E-07	4.752E-07	4.752E-07
4.97E 00---6.36E 00	1.159E-06	1.191E-06	1.309E-06	1.483E-06	1.674E-06	2.044E-06	2.700E-06	3.803E-06	5.359E-06
4.07E 00---4.97E 00	1.290E-05	1.286E-05	1.284E-05	1.314E-05	1.434E-05	1.678E-05	2.032E-05	2.575E-05	3.198E-05
3.01E 00---4.07E 00	4.783E-05	4.818E-05	4.961E-05	5.266E-05	5.566E-05	6.163E-05	8.042E-05	8.042E-05	8.042E-05
2.46E 00---3.01E 00	8.534E-05	8.539E-05	8.513E-05	8.515E-05	8.566E-05	8.734E-05	9.088E-05	9.735E-05	1.084E-04
2.35E 00---2.46E 00	1.990E-04	1.990E-04	2.000E-04	2.018E-04	2.057E-04	2.138E-04	2.197E-04	2.587E-04	3.083E-04
1.83E 00---2.35E 00	2.284E-04	3.307E-04	3.407E-04	3.603E-04	3.908E-04	4.361E-04	5.016E-04	5.957E-04	7.310E-04
1.11E 00---1.83E 00	1.877E-04	6.907E-04	7.037E-04	7.297E-04	7.707E-04	8.318E-04	9.191E-04	1.042E-03	1.214E-03
5.50E-01---1.11E 00	1.574E-03	1.574E-03	1.597E-03	1.643E-03	1.714E-03	1.819E-03	1.962E-03	2.154E-03	2.407E-03
1.11E-01---5.50E-01	5.645E-03	5.645E-03	5.754E-03	5.924E-03	6.183E-03	6.545E-03	7.032E-03	7.672E-03	8.502E-03
3.35E-02---1.11E-01	2.061E-02	2.061E-02	2.138E-02	2.204E-02	2.259E-02	2.409E-02	2.552E-02	2.723E-02	2.723E-02
5.83E-04---3.35E-02	2.370E-01	2.370E-01	2.392E-01	2.426E-01	2.474E-01	2.537E-01	2.615E-01	2.708E-01	2.814E-01
1.00E-04---5.83E-04	2.414E-01	2.418E-01	2.435E-01	2.460E-01	2.499E-01	2.549E-01	2.611E-01	2.683E-01	2.763E-01
2.90E-05---1.01E-04	7.633E-01	7.643E-01	7.639E-01	7.649E-01	1.691E-01	1.723E-01	1.762E-01	1.808E-01	1.859E-01
1.07E-05---2.30E-05	2.356E-02	2.359E-02	2.372E-02	2.396E-02	2.429E-02	2.473E-02	2.526E-02	2.588E-02	2.657E-02
3.06E-06---1.07E-05	6.733E-02	6.741E-02	6.778E-02	6.845E-02	6.939E-02	7.019E-02	7.209E-02	7.381E-02	7.572E-02
1.12E-06---3.06E-06	1.893E-03	1.895E-03	1.905E-03	1.923E-03	1.949E-03	1.983E-03	2.024E-03	2.071E-03	2.123E-03
4.14E-07---1.12E-06	4.329E-03	4.335E-03	4.357E-03	4.398E-03	4.456E-03	4.532E-03	4.622E-03	4.727E-03	4.844E-03
0.0 ---4.14E-07	6.611E-03	6.619E-03	6.652E-03	6.711E-03	6.793E-03	6.898E-03	7.022E-03	7.165E-03	7.325E-03
1.22E 01---1.50E 01	MU= 0.0950	MU= 0.2816	MU= 0.4580	MU= 0.6179	MU= 0.7550	MU= 0.8656	MU= 0.9446	MU= 0.9894	MU= 0.9894
1.00E 01---1.22E 01	6.800E-09	6.800E-09	9.177E-09	1.704E-08	4.497E-08	1.279E-07	3.536E-07	1.638E-06	5.705E-07
8.19E 00---1.00E 01	7.642E-08	1.165E-07	1.622E-07	2.703E-07	6.040E-07	1.537E-06	4.022E-06	1.850E-05	6.872E-06
6.36E 00---8.19E 00	1.136E-06	1.136E-06	1.578E-06	2.593E-06	5.465E-06	1.310E-05	3.313E-05	1.583E-04	5.983E-05
4.97E 00---6.36E 00	5.099E-05	5.099E-05	9.758E-06	9.787E-05	4.303E-05	4.303E-05	8.897E-05	7.673E-04	3.690E-04
4.07E 00---4.97E 00	1.133E-05	1.133E-05	1.470E-04	2.053E-04	3.073E-04	4.710E-04	3.029E-04	5.792E-04	1.827E-03
3.01E 00---4.07E 00	1.267E-04	1.567E-04	2.054E-04	2.838E-04	4.092E-04	6.120E-04	8.287E-04	1.967E-03	2.188E-03
2.46E 00---3.01E 00	3.893E-04	5.196E-04	7.302E-04	1.078E-03	1.671E-03	2.740E-03	4.917E-03	1.474E-02	1.174E-02
2.35E 00---2.46E 00	9.300E-04	1.234E-03	1.720E-03	2.534E-03	3.963E-03	6.638E-03	1.335E-02	3.985E-02	2.844E-02
1.83E 00---2.35E 00	1.453E-03	1.768E-03	2.251E-03	2.907E-03	3.848E-03	5.251E-03	7.531E-03	1.393E-02	1.261E-02
1.51E 00---1.83E 00	2.735E-03	3.161E-03	3.715E-03	4.431E-03	5.353E-03	6.529E-03	8.015E-03	1.017E-02	4.031E-02
5.50E 01---1.11E 00	9.567E-03	1.093E-02	1.265E-02	1.481E-02	1.748E-02	2.073E-02	2.453E-02	2.908E-02	1.361E-01
1.11E 01---5.50E 01	2.925E-02	3.160E-02	3.424E-02	3.715E-02	4.019E-02	4.317E-02	4.577E-02	4.752E-02	3.763E-01
3.35E 02---1.11E 01	2.932E-01	3.192E-01	3.324E-01	3.450E-01	3.450E-01	3.650E-01	3.694E-01	3.695E-01	3.695E-00
5.83E 04---3.35E 03	2.852E-02	2.945E-01	3.040E-01	3.217E-01	3.217E-01	3.290E-01	3.344E-01	3.376E-01	3.565E-00
1.01E 04---5.83E 04	1.915E 01	1.978E 01	2.032E 01	2.089E 01	2.142E 01	2.186E 01	2.219E 01	2.239E 01	2.339E 02
2.30E 05---1.01E 04	8.866E 01	9.122E 01	9.381E 01	9.630E 01	9.858E 01	1.005E 02	1.019E 02	1.028E 02	1.038E 03
1.07E 05---2.90E 05	2.731E 02	2.808E 02	2.987E 02	2.963E 02	3.032E 02	3.090E 02	3.134E 02	3.159E 02	3.414E 03
3.06E 06---1.07E 05	7.780E 02	7.996E 02	8.213E 02	8.422E 02	8.613E 02	8.773E 02	8.932E 02	8.962E 02	9.719E 03
1.12E 06---3.06E 06	2.180E 03	2.239E 03	2.298E 03	2.355E 03	2.407E 03	2.450E 03	2.483E 03	2.502E 03	2.733E 04
4.14E 07---1.12E 06	4.971E 03	5.102E 03	5.234E 03	5.361E 03	5.476E 03	5.572E 03	5.644E 03	5.686E 03	6.210E 04
0.0 ---4.14E 07	7.499E 03	7.661E 03	7.863E 03	8.038E 03	8.195E 03	8.325E 03	8.474E 03	8.534E 03	8.534E 04

4 PI R**2 FLUENCE AT 1200.0 METERS

FISSION SOURCE

(NEUTRONS/MEV/STERADIANT/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
1.22E 01---1.50E 01	MU=-1.000	MU=0.9894	MU=0.9446	MU=-0.7550	MU=-0.6179	MU=-0.4580	MU=-0.2816	MU=-0.0550	MU=-0.0550
1.22E 01---1.22E 01	-3.859E-10	-3.123E-10	-7.725E-11	1.086E-10	2.306E-10	5.368E-11	-5.610E-11	1.873E-11	3.670E-10
8.15E 00---1.00E 01	-3.400E-09	-2.546E-09	6.399E-11	2.533E-09	3.905E-09	2.486E-09	2.044E-09	3.613E-09	9.655E-09
6.36E 00---8.19E 00	-1.141E-08	-5.088E-09	1.239E-08	3.565E-08	4.250E-08	4.074E-08	4.322E-08	7.267E-08	1.381E-07
4.97E 00---6.36E 00	3.508E-07	3.608E-07	3.978E-07	4.546E-07	5.285E-07	6.508E-07	8.698E-07	1.226E-06	1.725E-06
4.07E 00---4.97E 00	4.091E-06	4.087E-06	4.102E-06	4.240E-06	4.646E-06	5.427E-06	6.620E-06	8.192E-06	1.011E-05
3.01E 00---4.07E 00	1.453E-05	1.463E-05	1.504E-05	1.576E-05	1.795E-05	1.797E-05	2.148E-05	2.415E-05	2.415E-05
2.46E 00---3.01E 00	2.353E-05	2.351E-05	2.345E-05	2.342E-05	2.354E-05	2.397E-05	2.492E-05	2.666E-05	2.962E-05
2.32E 00---2.46E 00	4.823E-05	4.832E-05	4.872E-05	4.956E-05	5.112E-05	5.401E-05	5.922E-05	6.830E-05	8.307E-05
1.83E 00---2.35E 00	8.204E-05	8.287E-05	8.636E-05	9.295E-05	1.028E-04	1.169E-04	1.369E-04	2.056E-04	2.056E-04
1.11E 00---1.83E 00	1.951E-04	1.961E-04	2.003E-04	2.085E-04	2.212E-04	2.398E-04	2.659E-04	3.024E-04	3.529E-04
5.00E-01---1.11E 00	4.419E-04	4.434E-04	4.499E-04	4.627E-04	4.828E-04	5.119E-04	5.519E-04	6.052E-04	6.748E-04
1.11E-01---5.00E-01	1.616E-03	1.622E-03	1.648E-03	1.698E-03	1.773E-03	1.879E-03	2.021E-03	2.446E-03	2.962E-03
1.11E-01---5.50E-01	6.180E-03	6.198E-03	6.272E-03	6.411E-03	6.619E-03	6.885E-03	7.231E-03	7.659E-03	8.172E-03
3.34E-02---1.11E-01	7.428E-02	7.441E-02	7.500E-02	7.606E-02	7.758E-02	7.958E-02	8.204E-02	8.496E-02	8.829E-02
5.83E-04---3.35E-02	7.658E-02	7.669E-02	7.717E-02	7.804E-02	7.929E-02	8.091E-02	8.287E-02	8.516E-02	8.774E-02
1.01E-04---5.83E-04	5.249E-00	5.257E-00	5.288E-00	5.345E-00	5.425E-00	5.530E-00	5.657E-00	5.805E-00	5.970E-00
2.90E-05---1.01E-04	2.466E-01	2.446E-01	2.483E-01	2.509E-01	2.545E-01	2.592E-01	2.649E-01	2.715E-01	2.789E-01
1.01E-05---2.90E-05	7.654E-01	7.664E-01	7.708E-01	7.786E-01	7.898E-01	8.043E-01	8.217E-01	8.421E-01	8.647E-01
3.01E-06---1.07E-05	2.207E-02	2.219E-02	2.273E-02	2.334E-02	2.422E-02	2.534E-02	2.633E-02	2.733E-02	2.844E-02
1.12E-06---3.06E-06	6.231E-02	6.239E-02	6.273E-02	6.334E-02	6.422E-02	6.534E-02	6.671E-02	6.829E-02	7.004E-02
4.14E-07---1.12E-06	1.433E-03	1.435E-03	1.443E-03	1.456E-03	1.476E-03	1.502E-03	1.532E-03	1.568E-03	1.607E-03
0.0 ---4.14E-07	2.201E-03	2.204E-03	2.215E-03	2.235E-03	2.263E-03	2.299E-03	2.341E-03	2.390E-03	2.445E-03
ENERGY GROUP (MEV)	ANGLE 10	ANGLE 11	ANGLE 12	ANGLE 13	ANGLE 14	ANGLE 15	ANGLE 16	ANGLE 17	SCALAR FLUX
1.22E 01---1.50E 01	MU= 0.0950	MU= 0.2816	MU= 0.4580	MU= 0.6179	MU= 0.7550	MU= 0.8656	MU= 0.9446	MU= 0.9894	1.154E-07
1.00E 01---1.22E 01	9.439E-10	1.502E-09	4.194E-09	4.092E-08	4.713E-08	5.628E-07	6.041E-07	7.780E-08	2.866E-07
8.19E 00---1.00E 01	1.887E-08	2.863E-08	4.123E-08	8.171E-07	1.751E-07	4.134E-06	1.007E-05	3.716E-06	1.590E-06
6.36E 00---3.19E 00	3.309E-07	4.752E-07	4.752E-07	8.171E-07	1.751E-07	5.030E-06	5.847E-05	1.666E-05	1.666E-05
4.97E 00---6.36E 00	1.254E-06	3.218E-06	4.713E-06	4.966E-06	5.428E-06	9.377E-05	6.410E-05	1.713E-05	1.404E-04
4.07E 00---4.97E 00	2.800E-05	4.408E-05	6.085E-05	8.900E-05	1.363E-04	2.182E-04	4.216E-04	5.088E-04	5.088E-04
3.01E 00---4.07E 00	3.444E-05	4.211E-05	5.409E-05	7.252E-05	1.005E-04	2.075E-04	3.644E-04	6.783E-04	6.783E-04
2.46E 00---3.01E 00	1.069E-04	1.447E-04	2.055E-04	3.055E-04	4.746E-04	7.743E-04	1.360E-03	3.449E-03	3.142E-03
2.15E 00---2.46E 00	3.551E-04	5.020E-04	7.533E-04	1.205E-03	2.066E-03	3.895E-03	1.124E-03	8.459E-03	8.459E-03
1.83E 00---2.35E 00	4.229E-04	5.198E-04	6.542E-04	8.406E-04	1.101E-03	1.473E-03	2.029E-03	3.186E-03	3.750E-03
1.11E 00---1.83E 00	7.647E-04	8.801E-04	1.027E-03	1.444E-03	1.722E-03	2.038E-03	2.744E-03	3.099E-03	3.744E-03
5.50E-01---5.50E 01	1.11E 00	2.753E-03	3.141E-03	3.627E-03	4.228E-03	4.955E-03	5.801E-03	6.717E-03	7.583E-03
1.11E-01---5.50E-01	8.777E-03	9.471E-03	1.025E-02	1.109E-02	1.196E-02	1.279E-02	1.349E-02	1.394E-02	1.425E-01
3.35E-02---1.11E-01	9.199E-02	9.597E-02	1.001E-01	1.042E-01	1.114E-01	1.140E-01	1.155E-01	1.155E-01	1.155E-01
5.63E-04---3.35E-02	9.055E-02	9.356E-02	9.650E-02	9.941E-02	1.021E-01	1.060E-01	1.070E-01	1.131E-01	1.131E-01
1.01E-04---5.83E-04	6.149E-00	6.337E-00	6.527E-00	6.710E-00	6.877E-00	7.018E-00	7.124E-00	7.185E-00	7.681E-01
2.20E-05---1.01E-04	2.869E-01	2.952E-01	3.036E-01	3.117E-01	3.191E-01	3.253E-01	3.299E-01	3.326E-01	3.583E-01
1.7E-05---2.90E-05	8.892E-01	9.148E-01	9.405E-01	9.652E-01	9.877E-01	1.007E-01	1.021E-01	1.029E-01	1.111E-01
1.16E-06---1.07E-05	2.552E-02	2.624E-02	2.696E-02	2.766E-02	2.828E-02	2.881E-02	2.921E-02	2.943E-02	3.188E-02
1.12E-06---3.06E-06	7.194E-02	7.392E-02	7.590E-02	7.780E-02	7.953E-02	8.098E-02	8.205E-02	8.268E-02	8.985E-02
1.14E-11---1.12E-06	1.694E-03	1.694E-03	1.739E-03	1.782E-03	1.820E-03	1.853E-03	1.877E-03	1.891E-03	2.061E-04
4.14E-11---4.14E-07	2.504E-03	2.506E-03	2.628E-03	2.687E-03	2.741E-03	2.785E-03	2.817E-03	2.835E-03	3.129E-04

4 P: R*#2 FLUENCE AT 1500.0 METERS

FISSION SOURCE

(NEUTRONS/MEV/STERADIANS/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
1.00E 01---1.20E 01	MU=-1.0000	MU=-0.9894	MU=-0.9446	MU=-0.8556	MU=-0.6179	MU=-0.4580	MU=-0.2816	MU=-0.0920	
1.22E 01---1.20E 01	-6.701E-11	-5.409E-11	-1.256E-11	-4.186E-11	-6.792E-12	1.153E-11	3.384E-11	3.384E-11	
1.00E 01---1.22E 01	-6.735E-10	-5.009E-10	9.362E-12	5.853E-10	5.360E-10	4.995E-10	2.025E-10	2.312E-09	
8.19E 00---1.00E 01	-2.957E-09	3.382E-09	8.844E-09	1.054E-08	1.033E-08	1.148E-08	1.999E-08	3.796E-08	
6.36E 00---8.19E 00	1.015E-07	1.154E-07	1.332E-07	1.571E-07	1.964E-07	2.646E-07	5.253E-07	5.253E-07	
4.97E 00---6.36E 00	1.236E-06	1.246E-06	1.294E-06	1.422E-06	1.656E-06	2.006E-06	2.465E-06	3.029E-06	
4.07E 00---4.97E 00	4.224E-06	4.199E-06	4.336E-06	4.532E-06	4.802E-06	5.149E-06	5.581E-06	6.137E-06	
3.01E 00---4.07E 00	6.292E-06	6.287E-06	6.270E-06	6.259E-06	6.289E-06	6.401E-06	6.650E-06	7.879E-06	
2.46E 00---3.01E 00	1.178E-05	1.192E-05	1.190E-05	1.220E-05	1.269E-05	1.357E-05	1.508E-05	2.171E-05	
2.35E 00---2.46E 00	2.042E-05	2.067E-05	2.170E-05	2.361E-05	2.639E-05	3.033E-05	3.585E-05	4.367E-05	
1.83E 00---2.35E 00	5.235E-05	5.263E-05	5.386E-05	5.624E-05	5.987E-05	6.510E-05	7.237E-05	8.244E-05	
1.11E 00---1.83E 00	1.182E-04	1.178E-04	1.192E-04	1.233E-04	1.286E-04	1.363E-04	1.469E-04	1.791E-04	
5.50E 01---1.11E 00	4.323E-04	4.306E-04	4.394E-04	4.529E-04	4.731E-04	5.016E-04	5.395E-04	5.892E-04	
1.11E 01---5.50E 01	1.668E-03	1.669E-03	1.710E-03	1.748E-03	1.803E-03	1.877E-03	1.971E-03	2.088E-03	
5.35E 02---1.11E 01	2.078E-02	2.094E-02	2.124E-02	2.166E-02	2.222E-02	2.272E-02	2.372E-02	2.465E-02	
5.83E 04---3.35E-02	2.151E-02	2.154E-02	2.168E-02	2.192E-02	2.228E-02	2.273E-02	2.328E-02	2.393E-02	
1.01E 04---5.33E-02	1.483E-02	1.485E-02	1.494E-02	1.510E-02	1.533E-02	1.563E-02	1.599E-02	1.640E-02	
2.90E 05---1.01E-04	6.993E-00	7.003E-00	7.043E-00	7.116E-00	7.299E-00	7.353E-00	7.515E-00	7.703E-00	
1.07E 05---2.90E-05	2.181E-01	2.193E-01	2.216E-01	2.247E-01	2.289E-01	2.339E-01	2.397E-01	2.461E-01	
3.06E 06---1.07E-05	6.294E-01	6.303E-01	6.333E-01	6.402E-01	6.492E-01	6.609E-01	6.751E-01	7.098E-01	
1.12E 06---3.06E-06	1.785E-02	1.787E-02	1.797E-02	1.815E-02	1.840E-02	1.873E-02	1.912E-02	1.957E-02	
4.14E-07---1.12E-06	4.122E-02	4.147E-02	4.185E-02	4.242E-02	4.404E-02	4.622E-02	4.904E-02	5.270E-02	
0.0 ---4.14E-07	6.343E-02	6.351E-02	6.384E-02	6.442E-02	6.524E-02	6.628E-02	6.751E-02	6.893E-02	
ENERGY GROUP (MEV)	ANGLE 10	ANGLE 11	ANGLE 12	ANGLE 13	ANGLE 14	ANGLE 15	ANGLE 16	ANGLE 17	SCALAR FLUX
1.22E 01---1.50E 01	MU= 0.0950	MU= 0.2816	MU= 0.4580	MU= 0.6179	MU= 0.7550	MU= 0.8655	MU= 0.9446	MU= 0.9894	5.029E-08
1.00E 01---1.22E 01	1.978E-10	3.135E-10	4.754E-10	9.547E-10	2.448E-09	6.423E-09	1.609E-08	2.278E-08	
8.19E 00---1.00E 01	6.276E-08	9.178E-08	1.361E-07	2.424E-07	5.239E-07	1.219E-06	2.877E-06	3.581E-07	
6.36E 00---8.19E 00	1.004E-06	1.506E-06	2.563E-06	4.833E-06	8.483E-06	9.630E-06	1.968E-05	2.524E-05	
4.97E 00---6.36E 00	8.833E-06	3.756E-06	6.668E-06	1.001E-05	1.613E-05	2.726E-05	4.792E-05	7.928E-05	
4.07E 00---4.97E 00	9.002E-06	9.727E-06	1.706E-05	2.444E-05	3.628E-05	5.531E-05	1.031E-04	1.632E-04	
3.01E 00---4.07E 00	9.109E-06	1.102E-05	1.390E-05	1.818E-05	2.336E-05	3.313E-05	4.534E-05	6.414E-05	
2.46E 00---3.01E 00	2.820E-05	3.846E-05	5.487E-05	8.172E-05	1.268E-04	2.054E-04	3.539E-04	7.967E-04	
2.35E 00---2.46E 00	9.603E-05	1.154E-04	1.783E-04	2.090E-04	3.409E-04	5.139E-04	8.080E-04	8.080E-04	
1.83E 00---2.35E 00	1.419E-04	2.323E-04	2.699E-04	3.165E-04	4.380E-04	5.290E-04	7.373E-04	9.956E-03	
1.11E 00---1.83E 00	2.025E-04	2.905E-04	3.631E-04	4.644E-04	6.154E-04	8.154E-04	1.1729E-03	1.908E-03	2.865E-03
5.50E 01---1.11E 00	7.345E-04	8.369E-04	9.644E-04	1.120E-03	1.305E-03	1.514E-03	1.904E-03	1.023E-02	1.023E-02
1.11E 01---5.50E 01	2.391E-03	2.578E-03	2.787E-03	3.011E-03	3.239E-03	3.455E-03	3.745E-03	3.633E-03	3.058E-03
3.35E 02---1.11E 01	2.678E-02	2.568E-02	2.793E-02	2.906E-02	3.012E-02	3.103E-02	3.173E-02	3.214E-02	3.215E-01
5.83E 04---3.35E 02	2.626E-02	2.543E-02	2.710E-02	2.790E-02	2.927E-02	2.974E-02	3.001E-02	3.177E-01	
1.01E 04---5.83E 04	1.791E-00	1.844E-00	1.895E-00	1.942E-00	1.982E-00	2.011E-00	2.028E-00	2.170E-01	
2.90E 05---1.01E 04	8.140E-00	8.376E-00	8.614E-00	8.842E-00	9.049E-00	9.224E-00	9.353E-00	9.429E-00	1.016E-02
1.07E 05---2.90E 05	2.531E-01	2.604E-01	2.677E-01	2.747E-01	2.811E-01	2.864E-01	2.904E-01	2.927E-01	3.161E-02
3.06E 06---1.07E 05	7.295E-01	7.500E-01	7.706E-01	7.904E-01	8.083E-01	8.233E-01	8.345E-01	8.410E-01	9.109E-02
1.12E 06---3.06E 06	2.063E-02	2.119E-02	2.176E-02	2.231E-02	2.280E-02	2.352E-02	2.470E-02	2.576E-03	
4.14E 07---1.12E 06	4.745E-02	4.873E-02	5.001E-02	5.124E-02	5.235E-02	5.323E-02	5.397E-02	5.437E-02	5.925E-03
0.0 ---4.14E-07	7.223E-02	7.402E-02	7.582E-02	7.754E-02	7.907E-02	8.034E-02	8.179E-02	8.126E-02	8.025E-03

4 PI R*#2 FLUENCE AT 1800.0 METERS

FISSION SOURCE

(NEUTRONS/MEV/STERADIANS/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
1.22E 01---1.50E 01	MU=-0.9894	MU=-0.9446	MU=-0.8655	MU=-0.7550	MU=-0.6179	MU=-0.4580	MU=-0.2816	MU=-0.0950	
1.00E 01---1.22E 01	-1.156E-11	-9.314E-12	-2.034E-12	4.020E-12	7.298E-12	2.033E-12	-5.680E-13	3.485E-12	1.785E-11
1.00E 00---1.00E 01	-1.330E-10	-9.847E-11	2.007E-12	1.281E-10	1.549E-10	1.254E-10	1.010E-10	2.21E-10	5.327E-10
8.15E 00---7.659E-010	-3.845E-10	7.361E-09	2.445E-09	2.458E-09	2.568E-09	2.51E-09	2.975E-09	5.321E-09	1.009E-08
6.36E 00---8.19E-00	2.849E-08	2.934E-08	3.259E-08	3.786E-08	4.522E-08	5.733E-08	7.759E-08	1.096E-07	1.544E-07
4.97E 00---6.36E 00	3.617E-07	3.420E-07	3.659E-07	3.814E-07	4.192E-07	4.899E-07	5.864E-07	7.159E-07	8.761E-07
4.07E 00---4.97E 00	1.175E-06	1.182E-06	1.212E-06	1.264E-06	1.337E-06	1.459E-06	1.701E-06	1.912E-06	
3.01E 00---4.07E 00	1.657E-06	1.656E-06	1.651E-06	1.651E-06	1.657E-06	1.657E-06	1.687E-06	2.072E-06	
2.46E 00---3.01E 00	2.905E-06	2.914E-06	2.954E-06	3.035E-06	3.177E-06	3.421E-06	3.833E-06	4.510E-06	5.590E-06
2.35E 00---2.46E 00	5.102E-06	5.170E-06	5.453E-06	5.965E-06	6.701E-06	7.737E-06	9.186E-06	1.126E-05	1.417E-05
1.83E 00---2.35E 00	1.358E-05	1.366E-05	1.401E-05	1.666E-05	1.564E-05	1.768E-05	1.909E-05	2.167E-05	2.533E-05
1.11E 00---1.83E 00	3.045E-05	3.055E-05	3.099E-05	3.185E-05	3.212E-05	3.518E-05	3.787E-05	4.146E-05	4.610F-05
5.50E-01---1.11E 00	1.104E-04	1.108E-04	1.126E-04	1.161E-04	1.213E-04	1.286E-04	1.383E-04	1.510E-04	1.673E-04
1.11E-01---5.50E-01	4.352E-04	4.364E-04	4.417E-04	4.514E-04	4.656E-04	4.818E-04	5.090E-04	5.389E-04	5.746E-04
3.35E-02---1.11E-01	5.418E-03	5.428E-03	5.471E-03	5.548E-03	5.660E-03	5.805E-03	5.984E-03	6.196E-03	6.437E-03
5.83E-04---3.35E-02	5.637E-03	5.646E-03	5.681E-03	5.745E-03	5.837E-03	5.955E-03	6.099E-03	6.267E-03	6.456E-03
1.01E-04---5.83E-04	3.898E-01	3.904E-01	3.927E-01	3.696E-01	4.029E-01	4.170E-01	4.210E-01	4.310E-01	4.432E-01
2.90E-05---1.01E-04	1.842E-00	1.844E-00	1.855E-00	1.874E-00	1.901E-00	1.933E-00	1.979E-00	2.028E-00	2.083E-00
1.07E-05---2.90E-05	5.744E-00	5.752E-00	5.785E-00	5.944E-00	5.928E-00	6.037E-00	6.168E-00	6.321E-00	6.491E-00
3.00E-06---1.07E-05	1.666E-01	1.666E-01	1.675E-01	1.692E-01	1.716E-01	1.741E-01	1.784E-01	1.828E-01	1.876E-01
1.12E-06---3.00E-06	4.725E-01	4.731E-01	4.757E-01	4.804E-01	4.871E-01	4.957E-01	5.016E-01	5.182E-01	5.315E-01
4.14E-07---1.12E-06	1.092E-02	1.099E-02	1.109E-02	1.125E-02	1.144E-02	1.168E-02	1.195E-02	1.225E-02	1.252E-02
0.0 ---4.14E-07	1.684E-02	1.686E-02	1.695E-02	1.711E-02	1.733E-02	1.760E-02	1.793E-02	1.830E-02	1.872E-02
ENERGY GROUP (MEV)	ANGLE 10	ANGLE 11	ANGLE 12	ANGLE 13	ANGLE 14	ANGLE 15	ANGLE 16	ANGLE 17	SCALAR FLUX
1.22E 01---1.50E 01	MU= 0.0950	MU= 0.2816	MU= 0.4580	MU= 0.6179	MU= 0.7550	MU= 0.8656	MU= 0.9446	MU= 0.9894	
1.00E 01---1.22E 01	3.976E-11	6.322E-11	9.855E-11	2.307E-09	5.751E-09	2.060E-10	3.955E-09	8.462E-09	4.412E-09
8.19E 00---1.00E 01	9.833E-10	1.507E-09	2.472E-09	3.773E-08	6.006E-08	9.430E-09	2.311E-08	5.47E-08	7.905E-08
6.33E 00---8.19E 00	1.669E-08	1.502E-07	2.267E-06						
4.97E 00---6.33E 00	1.086E-06	1.399E-06	4.639E-06	7.939E-07	4.615E-07	1.498E-07	3.477E-07	7.87E-07	1.199E-06
4.07E 00---4.97E 00	2.218E-06	2.691E-06	3.442E-06	4.639E-06	4.639E-06	4.521E-06	4.948E-06	5.813E-06	9.378E-05
3.01E 00---4.07E 00	2.384E-05	2.858E-06	3.556E-06	4.558E-06	5.951E-06	7.824E-06	1.021E-05	1.317E-05	4.103E-05
2.46E 00---3.01E 00	7.269E-06	9.359E-06	9.21E-05	2.114E-05	3.218E-05	5.248E-05	8.171E-05	1.826E-04	6.329E-04
2.35E 00---2.46E 00	1.864E-05	2.504E-05	3.603E-05	5.560E-05	9.218E-05	1.628E-05	1.693E-05	3.171E-05	8.140E-04
1.83E 00---2.35E 00	3.02E-05	3.733E-05	4.681E-05	5.663E-05	7.680E-05	9.699E-05	1.299E-04	1.721E-04	5.048E-04
1.11E 00---1.83E 00	5.202E-05	5.952E-05	6.888E-05	8.036E-05	9.396E-05	1.022E-04	1.246E-04	1.369E-04	7.281E-04
5.50E-01---1.11E 00	1.880E-04	2.139E-04	2.459E-04	2.847E-04	3.300E-04	3.802E-04	4.300E-04	4.685E-04	5.600E-04
1.11E-01---5.50E-01	6.165E-04	6.642E-04	7.172E-04	7.737E-04	8.309E-04	8.844E-04	9.281E-04	9.553E-04	7.871E-03
3.35E-02---1.11E-01	6.703E-03	6.989E-03	7.284E-03	7.576E-03	7.847E-03	8.022E-03	8.260E-03	8.365E-03	8.390E-02
5.83E-04---3.35E-02	6.660E-03	6.864E-03	7.091E-03	7.311E-03	7.647E-03	7.847E-03	8.110E-03	8.318E-02	
1.01E-04---5.83E-04	4.565E-01	4.703E-01	4.842E-01	4.975E-01	5.097E-01	5.199E-01	5.275E-01	5.320E-01	5.700E-00
2.90E-05---1.01E-04	2.143E-00	2.205E-00	2.267E-00	2.326E-00	2.380E-00	2.420E-00	2.459E-00	2.479E-00	2.675E-01
1.07E-05---2.90E-05	6.674E-00	6.865E-00	7.054E-00	7.240E-00	7.406E-00	7.546E-00	7.650E-00	7.710E-00	8.334E-01
3.08E-06---1.07E-05	1.928E-01	1.982E-01	2.036E-01	2.088E-01	2.135E-01	2.174E-01	2.220E-01	2.220E-01	2.607E-02
1.12E-06---3.08E-06	5.459E-01	5.609E-01	5.759E-01	5.902E-01	6.141E-01	6.221E-01	6.268E-01	6.817E-02	1.571E-03
4.14E-07---1.12E-06	1.258E-02	1.292E-02	1.326E-02	1.387E-02	1.442E-02	1.440E-02	1.440E-02	2.171E-02	2.396E-03
0.0 ---4.14E-07	1.918E-02	2.013E-02	2.058E-02	2.099E-02	2.132E-02	2.157E-02	2.157E-02		

4 PI R**2 FLUENCE AT 75.0 METERS

FISSION SOURCE

(GAMMAS/MEV/STERADIANT/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 μ =-1.0000	ANGLE 2 μ =-0.9894	ANGLE 3 μ =-0.9446	ANGLE 4 μ =-0.8656	ANGLE 5 μ =-0.7550	ANGLE 6 μ =-0.6179	ANGLE 7 μ =-0.4580	ANGLE 8 μ =-0.2816	ANGLE 9 μ =-0.0550
8.00E 00---1.00E 01	2.311E-06	2.329E-06	2.416E-06	2.484E-06	2.569E-06	2.798E-06	2.673E-06	2.484E-06	2.747E-06
6.70E 00---8.00E 00	5.673E-06	5.688E-06	5.750E-06	5.866E-06	6.036E-06	6.255E-06	6.536E-06	6.893E-06	7.347E-06
5.00E 00---6.50E 00	7.129E-05	7.152E-05	7.240E-05	7.405E-05	7.640E-05	7.946E-05	8.338E-05	8.839E-05	9.486E-05
4.00E 00---5.00E 00	2.767E-05	2.748E-05	2.836E-05	2.956E-05	3.108E-05	3.286E-05	3.499E-05	3.774E-05	4.144E-05
3.00E 00---4.00E 00	4.099E-05	4.123E-05	4.211E-05	4.363E-05	4.557E-05	4.786E-05	5.062E-05	5.417E-05	5.892E-05
2.50E 00---3.00E 00	4.916E-05	4.953E-05	5.092E-05	5.340E-05	5.666E-05	6.070E-05	6.583E-05	7.266E-05	8.204E-05
2.10E 00---2.50E 00	6.974E-05	7.027E-05	7.227E-05	7.582E-05	8.049E-05	8.626E-05	9.358E-05	1.034E-04	1.169E-04
1.70E 00---2.00E 00	4.294E-05	4.322E-05	4.428E-05	4.619E-05	4.879E-05	5.211E-05	5.644E-05	6.239E-05	7.045E-05
1.33E 00---1.66E 00	5.573E-05	5.610E-05	5.706E-05	5.913E-05	6.274E-05	6.818E-05	7.563E-05	8.545E-05	9.545E-05
1.00E 00---1.33E 00	3.128E-05	3.089E-05	2.962E-05	2.810E-05	2.759E-05	2.864E-05	3.136E-05	3.512E-05	3.945E-05
8.00E -01---1.00E 00	3.420E-05	3.420E-05	3.420E-05	3.420E-05	3.459E-05	3.671E-05	3.996E-05	4.407E-05	4.918E-05
6.00E -01---8.00E 00	3.950E-05	4.233E-05	4.683E-05	5.158E-05	5.584E-05	5.986E-05	6.494E-05	7.306E-05	7.306E-05
4.00E -01---6.00E 00	1.638E-04	1.645E-04	1.670E-04	1.716E-04	1.776E-04	1.857E-04	1.972E-04	2.143E-04	2.381E-04
3.00E -01---4.00E 00	2.190E-04	2.189E-04	2.194E-04	2.235E-04	2.344E-04	2.553E-04	2.843E-04	3.181E-04	3.524E-04
2.00E -01	6.103E-04	6.119E-04	6.179E-04	6.275E-04	6.379E-04	6.471E-04	6.548E-04	6.626E-04	6.731E-04
1.00E -01---2.00E -01	1.302E-03	1.303E-03	1.308E-03	1.317E-03	1.331E-03	1.349E-03	1.372E-03	1.401E-03	1.435E-03
5.00E -02---1.00E -01	2.806E-03	2.807E-03	2.814E-03	2.827E-03	2.846E-03	2.871E-03	2.900E-03	2.936E-03	2.976E-03
2.00E -02---5.00E -02	7.624E-04	7.626E-04	7.635E-04	7.652E-04	7.677E-04	7.708E-04	7.747E-04	7.791E-04	7.840E-04
ENERGY GROUP (MEV)	ANGLE 10 μ = 0.0950	ANGLE 11 μ = 0.2916	ANGLE 12 μ = 0.4580	ANGLE 13 μ = 0.6179	ANGLE 14 μ = 0.7550	ANGLE 15 μ = 0.8656	ANGLE 16 μ = 0.9446	ANGLE 17 μ = 0.9894	SCALAR FLUX
8.00E 00---1.00E 01	2.871E-06	3.045E-06	3.580E-06	3.482E-06	4.016E-06	4.994E-06	6.053E-06	6.249E-05	4.069E-05
6.50E 00---8.00E 00	8.587E-06	8.889E-06	9.889E-06	1.129E-05	1.308E-05	1.873E-05	2.754E-05	6.522E-05	1.249E-04
5.00E 00---6.50E 00	1.057E-04	1.129E-04	1.325E-04	1.540E-04	1.815E-04	2.681E-04	4.020E-04	9.710E-04	1.688E-03
4.00E 00---5.00E 00	4.546E-05	5.580E-05	6.328E-05	7.089E-05	1.097E-04	1.521E-04	2.373E-04	6.249E-04	8.468E-04
3.00E 00---4.00E 00	9.768E-05	9.484E-05	1.202E-04	1.669E-04	1.691E-04	1.691E-04	3.166E-04	7.593E-04	1.180E-03
2.50E 00---3.00E 00	9.208E-05	1.608E-04	1.234E-04	1.543E-04	2.672E-04	3.855E-04	6.159E-04	1.194E-03	1.947E-03
2.00E 00---2.50E 00	1.312E-04	1.761E-04	2.209E-04	3.855E-04	5.582E-04	8.916E-04	2.396E-03	2.797E-03	3.297E-03
1.66E 00---2.00E 00	7.516E-05	1.017E-04	1.394E-04	2.291E-04	3.326E-04	5.287E-04	1.333E-03	1.637E-03	1.637E-03
1.33E 00---1.66E 00	9.576E-05	1.230E-04	1.454E-04	1.706E-04	2.807E-04	4.057E-04	6.334E-04	1.566E-03	1.979E-03
1.00E 00---1.33E 00	4.396E-05	6.822E-05	8.763E-05	1.215E-04	1.729E-04	2.423E-04	3.750E-04	8.264E-04	1.242E-03
8.00E 00---1.00E 00	5.605E-05	6.732E-05	8.720E-05	1.135E-04	1.494E-04	2.480E-04	3.197E-04	9.805E-04	1.394E-03
6.00E 00---8.00E 00	8.485E-05	1.043E-04	1.367E-04	1.636E-04	2.031E-04	3.075E-04	4.321E-04	5.321E-04	6.321E-04
4.00E 00---6.00E 00	2.690E-04	3.066E-04	3.517E-04	3.950E-04	5.103E-04	5.996E-04	7.529E-04	8.682E-04	9.772E-03
3.00E 00---4.00E 00	3.836E-04	4.130E-04	4.461E-04	4.795E-04	5.237E-04	5.840E-04	6.598E-04	7.130E-04	7.730E-04
2.00E 00---3.00E 00	6.884E-04	7.125E-04	7.510E-04	7.967E-04	8.575E-04	9.419E-04	1.057E-03	1.242E-03	1.510E-03
1.00E 00---2.00E 00	1.474E-03	1.521E-03	1.575E-03	1.633E-03	1.697E-03	1.765E-03	1.835E-03	1.900E-03	1.874E-02
5.00E 00---1.00E 00	3.020E-03	3.067E-03	3.117E-03	3.167E-03	3.215E-03	3.259E-03	3.294E-03	3.318E-03	3.791E-02
2.00E 00---5.00E 00	7.894E-04	7.950E-04	8.007E-04	8.062E-04	8.112E-04	8.156E-04	8.189E-04	8.208E-04	9.906E-03

4 PI R**2 FLUENCE AT 150.0 METERS

FISSION SOURCE

(GAMMAS / MEV / STERADIAN / SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=1.0000	ANGLE 2 MU=-0.9994	ANGLE 3 MU=-0.9994	ANGLE 4 MU=-0.8646	ANGLE 5 MU=-0.6179	ANGLE 6 MU=-0.4580	ANGLE 7 MU=-0.2816	ANGLE 8 MU=-0.0950	ANGLE 9 MU=0.0950
8.00E 00---	-1.00E 01	6.638E-06	6.6558E-06	6.737E-06	6.889E-06	7.114E-06	7.413E-06	7.791E-06	8.136E-06
6.50E 00---	-8.00E 00	1.470E-05	1.476E-05	1.495E-05	1.533E-05	1.588E-05	1.659E-05	1.861E-05	2.000E-05
5.00E 00---	-6.50E 00	1.754E-04	1.760E-04	1.786E-04	1.834E-04	1.901E-04	1.988E-04	2.098E-04	2.408E-04
4.00E 00---	-5.00E 00	5.574E-05	5.622E-05	5.794E-05	6.085E-05	6.432E-05	6.812E-05	7.251E-05	8.56E-05
3.00E 00---	-4.00E 00	9.133E-05	9.196E-05	9.424E-05	9.815E-05	1.030E-04	1.084E-04	1.148E-04	1.229E-04
2.50E 00---	-3.00E 00	6.587E-05	6.659E-05	6.723F-05	7.367E-05	7.901E-05	8.505E-05	9.237E-05	1.159E-04
2.00E 00---	-2.50E 00	9.102E-05	9.200E-05	9.562E-05	1.017E-04	1.089E-04	1.171E-04	1.271E-04	1.407E-04
1.56E 00---	-2.00E 00	6.462E-05	6.515E-05	6.714E-05	7.058E-05	7.499E-05	8.044E-05	8.755E-05	9.729E-05
1.33E 00---	-1.66E 00	8.555E-05	8.548E-05	8.550F-05	8.644E-05	8.949E-05	9.558E-05	1.051E-04	1.18CE-04
1.00E 00---	-1.33E 00	6.807E-05	6.713E-05	6.418E-05	6.094E-05	6.061E-05	6.483E-05	7.314E-05	8.373E-05
8.00E-01---	-1.00E 00	7.888E-05	7.360E-05	7.801E-05	7.842E-05	8.167E-05	8.841E-05	9.808E-05	1.098E-04
6.00E-01---	-8.00E-01	9.278E-05	9.480E-05	9.420E-04	1.025E-04	1.134E-04	1.251E-04	1.455E-04	1.644E-04
4.00E-01---	-6.00E-01	4.204E-04	4.224E-04	4.297E-04	4.426E-04	4.599E-04	4.832E-04	5.169E-04	5.663E-04
3.00E-01---	-4.00E-01	5.649E-04	5.652E-04	5.652E-04	5.630E-04	5.845E-04	6.209E-04	6.252E-04	6.555E-04
2.00E-01---	-3.00E-01	1.581E-03	1.586E-03	1.581E-03	1.601E-03	1.626E-03	1.653E-03	1.676E-03	1.718E-03
1.00E-01---	-2.00E-01	3.885E-03	3.889E-03	3.885E-03	3.907E-03	3.943E-03	3.995E-03	4.063E-03	4.150E-03
5.00E-02---	-1.00E-01	9.258E-03	9.267E-03	9.299E-03	9.362E-03	9.452E-03	9.559E-03	9.713E-03	9.884E-03
2.00E-02---	-5.00E-02	2.599E-03	2.600E-03	2.605E-03	2.613E-03	2.625E-03	2.640E-03	2.659E-03	2.681E-03
1.66E 00---	-2.00E 00	9.068E-05	9.088E-05	9.119E-05	9.136E-05	9.166E-05	9.196E-05	9.226E-05	9.256E-05
1.33E 00---	-1.66E 00	1.089E-04	1.324E-04	1.301E-04	1.252E-04	1.264E-04	1.379E-04	1.512E-04	1.750E-04
1.00E 00---	-1.33E 00	9.585E-05	1.385E-04	7.848E-05	1.264E-04	1.062E-04	1.682E-04	1.933E-04	2.03E-04
8.00E-01---	-1.00E 00	1.382E-04	1.793E-04	1.375E-04	1.321E-04	1.233E-04	2.166E-04	2.716E-04	3.548E-04
6.00E-01---	-8.00E-01	1.947E-04	2.892E-04	1.953E-04	2.168E-04	2.388E-04	3.572E-04	5.467E-04	9.332E-04
2.00E 00---	-2.50E 00	2.202E-04	1.915E-04	3.023E-04	3.335E-04	3.023E-04	5.029E-04	7.711E-04	1.329E-03
1.66E 00---	-2.00E 00	1.926E-04	1.926E-04	1.926E-04	1.955E-04	2.893E-04	3.025E-04	5.442E-04	9.050E-04
1.33E 00---	-1.66E 00	1.089E-04	2.324E-04	1.766E-04	3.485E-04	3.758E-04	6.663E-04	1.073E-03	2.504E-03
1.00E 00---	-1.33E 00	9.585E-05	1.385E-04	1.588E-04	2.210E-04	3.141E-04	4.369E-04	6.428E-04	9.587E-04
8.00E-01---	-1.00E 00	1.382E-04	1.793E-04	2.234E-04	2.996E-04	4.021E-04	5.330E-04	6.805E-04	8.671E-04
6.00E-01---	-8.00E-01	1.947E-04	2.892E-04	3.354E-04	4.332E-04	5.400E-04	6.441E-04	8.002E-04	1.018E-03
4.00E-01---	-6.00E-01	7.129E-04	8.324E-04	9.307E-04	1.052E-03	1.181E-03	1.332E-03	1.570E-03	1.925E-03
3.00E-01---	-4.00E-01	1.026E-03	1.117E-03	1.117E-03	1.182E-03	1.279E-03	1.402E-03	1.552E-03	1.761E-03
2.00E-01---	-3.00E-01	1.781E-03	1.872E-03	1.951E-03	2.07E-03	2.233E-03	2.418E-03	2.696E-03	3.049E-03
1.00E-01---	-2.00E-01	4.532E-03	4.705E-03	4.889E-03	5.121E-03	5.360E-03	5.620E-03	5.887E-03	6.123E-03
5.00E-02---	-1.00E-01	1.030E-02	1.054E-02	1.079E-02	1.106E-02	1.131E-02	1.156E-02	1.176E-02	1.190E-02
2.00E-02---	-5.00E-02	2.733E-03	2.761E-03	2.820E-03	2.847E-03	2.881E-03	2.901E-03	2.949E-03	2.971E-03

4 PI R**2 FLUENCE AT 200.0 METERS

FISSION SOURCE

(GAMMAS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=-1.00E 01	ANGLE 2 MU=-0.99466	ANGLE 3 MU=-0.8656	ANGLE 4 MU=-0.750	ANGLE 5 MU=-0.6179	ANGLE 6 MU=-0.4580	ANGLE 7 MU=-0.2816	ANGLE 8 MU=-0.0950
8.00E 00---1.00E 01	9.511E-06	9.545E-06	9.679E-06	9.941E-06	1.033E-05	1.055E-05	1.152E-05	1.236E-05
6.50E 00---8.00E 00	2.060E-05	2.068E-05	2.161E-05	2.161E-05	2.205E-05	2.256E-05	2.517E-05	2.941E-05
5.00E 00---6.50E 00	2.424E-04	2.434E-04	2.473E-04	2.473E-04	2.548E-04	2.654E-04	2.732E-04	2.968E-04
4.00E 00---5.00E 00	7.270E-05	7.337E-05	7.582E-05	7.998E-05	8.490E-05	9.029E-05	9.655E-05	1.046E-04
3.00E 00---4.00E 00	1.226E-04	1.237E-04	1.271E-04	1.328E-04	1.398E-04	1.479E-04	1.575E-04	1.698E-04
2.50E 00---3.00E 00	7.092E-05	7.184E-05	7.520E-05	8.073E-05	8.715E-05	9.417E-05	1.026E-04	1.140E-04
2.00E 00---2.50E 00	9.671E-05	9.792E-05	1.024E-04	1.096E-04	1.180E-04	1.272E-04	1.384E-04	1.539E-04
1.66E 00---2.00E 00	7.401E-05	7.467E-05	7.713E-05	8.138E-05	8.680E-05	9.355E-05	1.025E-04	1.148E-04
1.33E 00---1.66E 00	9.858E-05	9.843E-05	9.923E-05	9.915E-05	9.915E-05	9.915E-05	1.08E-04	1.232E-04
1.00E 00---1.33E 00	8.799E-05	8.681E-05	8.311E-05	7.941E-05	8.006E-05	8.719E-05	1.000E-04	1.160E-04
8.00E-01---1.00E 00	1.040E-04	1.037E-04	1.034E-04	1.049E-04	1.105E-04	1.213E-04	1.362E-04	1.541E-04
6.00E-01---8.00E-01	1.258E-04	1.286E-04	1.388E-04	1.547E-04	1.713E-04	1.865E-04	2.018E-04	2.579E-04
4.00E-01---6.00E-01	5.931E-04	5.960E-04	6.072E-04	6.271E-04	6.542E-04	6.910E-04	7.428E-04	9.234E-04
3.00E-01---4.00E-01	8.016E-04	8.028E-04	8.111E-04	8.379E-04	8.950E-04	9.875E-04	1.109E-03	1.244E-03
2.00E-01---3.00E-01	2.257E-03	2.263E-03	2.286E-03	2.318E-03	2.354E-03	2.387E-03	2.417E-03	2.496E-03
1.00E-01---2.00E-01	5.776E-03	5.872E-03	5.972E-03	5.956E-03	6.089E-03	6.209E-03	6.381E-03	6.586E-03
5.00E-02---1.00E-01	1.434E-02	1.436E-02	1.461E-02	1.475E-02	1.498E-02	1.515E-02	1.545E-02	1.580E-02
2.00E-02---5.00E-02	4.084E-03	4.085E-03	4.108E-03	4.129E-03	4.156E-03	4.189E-03	4.228E-03	4.272E-03
ENERGY GROUP (MEV)	ANGLE 10 MU= 0.0950	ANGLE 11 MU= 0.2816	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.750	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9894
8.00E 00---1.00E 01	1.524E-05	1.552E-05	1.830E-05	1.923E-05	2.225E-05	2.455E-05	2.864E-05	4.115E-05
6.50E 00---8.00E 00	3.100E-05	3.698E-05	3.911E-05	4.607E-05	5.200E-05	6.200E-05	8.080E-05	1.556E-04
5.00E 00---6.50E 00	3.617E-04	4.423E-04	4.597E-04	5.562E-04	6.171E-04	7.58E-04	1.054E-03	2.210E-03
4.00E 00---5.00E 00	1.386E-04	1.405E-04	1.788E-04	1.966E-04	2.549E-04	3.304E-04	5.363E-04	1.230E-03
3.00E 00---4.00E 00	2.149E-04	2.257E-04	3.029E-04	3.029E-04	4.771E-04	7.56E-04	1.310E-04	3.207E-03
2.50E 00---3.00E 00	1.943E-04	2.159E-04	2.967E-04	3.863E-04	6.077E-04	1.081E-03	2.913E-03	3.126E-03
2.00E 00---2.50E 00	1.894E-04	2.644E-04	2.28E-04	4.071E-04	5.342E-04	8.508E-04	1.520F-03	4.303E-03
1.66E 00---2.00E 00	1.674E-04	2.44E-04	2.800E-04	4.193E-04	6.16E-04	1.097E-03	2.540E-03	3.125E-03
1.33E 00---1.66E 00	2.113E-04	2.009E-04	2.956E-04	3.461E-04	5.221E-04	7.539E-04	1.294E-03	2.842E-03
1.00E 00---1.33E 00	1.606E-04	1.777E-04	2.995E-04	3.121E-04	4.465E-04	6.233E-04	8.913E-04	1.320E-03
8.00E 00---1.00E 00	2.091E-04	2.508E-04	3.297E-04	4.331E-04	5.793E-04	7.505E-04	9.586E-04	1.215E-03
6.00E 00---8.00E 01	5.033E-04	5.033E-04	6.161E-04	7.733E-04	9.191E-04	1.115E-03	1.783E-03	3.311E-03
4.00E 00---6.00E 01	1.059E-03	1.198E-03	1.365E-03	1.518E-03	1.696E-03	1.897E-03	2.193E-03	5.030E-03
3.00E 00---4.00E 01	1.498E-03	1.594E-03	1.710E-03	1.832E-03	2.004E-03	2.210E-03	2.470E-03	3.125E-03
2.00E 00---3.00E 01	2.573E-03	2.657E-03	2.801E-03	2.956E-03	3.168E-03	3.740E-03	4.177E-03	5.367E-03
1.00E 00---2.00E 01	6.825E-03	7.099E-03	7.409E-03	7.752E-03	8.124E-03	8.514E-03	9.208E-03	6.687E-03
5.00E 00---1.00E 01	1.619E-02	1.661E-02	1.707E-02	1.753E-02	1.799E-02	1.844E-02	1.879E-02	2.035E-02
2.00E 00---5.00E 00	4.320E-03	4.370E-03	4.423E-03	4.474E-03	4.522E-03	4.594E-03	4.616E-03	5.420E-03

4 PI R**2 FLUENCE AT 300.0 METERS

FISSION SOURCE

(GAMMAS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
8.00E-00---1.00E-01	MU=-0.0000	MU=0.9894	MU=-0.9446	MU=0.8656	MU=-0.7550	MU=-0.6179	MU=-0.4580	MU=-0.2816	MU=-0.0950
6.50E-00---8.00E-01	1.250E-05	1.250E-05	1.380E-05	1.427E-05	1.497E-05	1.591E-05	1.720E-05	1.885E-05	2.094E-05
5.00E-00---5.50E-01	2.880E-05	2.666E-05	2.934E-05	3.040E-05	3.194E-05	3.400E-05	3.670E-05	4.020E-05	4.470E-05
4.00E-00---5.00E-01	3.331E-04	3.348E-04	3.413E-04	3.537E-04	3.715E-04	3.952E-04	4.255E-04	4.652E-04	5.164E-04
3.00E-00---4.00E-01	9.381E-05	9.489E-05	9.866E-05	1.049E-04	1.123E-04	1.206E-04	1.304E-04	1.434E-04	1.655E-04
2.50E-00---3.00E-01	7.101E-05	7.220E-05	7.654E-05	8.350E-05	9.125E-05	9.367E-05	1.094E-04	1.401E-04	2.684E-04
2.00E-00---2.50E-01	9.678E-05	9.678E-05	9.021E-04	8.543E-05	9.050E-05	9.722E-05	1.061E-04	1.303E-04	1.644E-04
1.66E-00---2.00E-01	3.179E-05	6.254E-05	1.093E-04	1.087E-04	1.096E-04	1.147E-04	1.258E-04	1.434E-04	1.596E-04
1.33E-00---1.66E-01	1.996E-04	1.996E-04	1.122E-04	1.055E-04	1.021E-04	1.055E-04	1.185E-04	1.399E-04	1.959E-04
1.00E-00---1.33E-01	1.33E-04	1.342E-04	1.342E-04	1.350E-04	1.394E-04	1.504E-04	1.690E-04	1.944E-04	2.256E-04
8.00E-01---1.00E-01	1.00E-04	1.342E-04	1.734E-04	1.883E-04	2.119E-04	2.373E-04	2.624E-04	2.906E-04	3.308E-04
6.00E-01---8.00E-01	1.633E-04	8.713E-04	8.716E-04	8.910E-04	9.259E-04	9.750E-04	9.750E-04	1.043E-03	1.273E-03
4.00E-01---6.00E-01	8.670E-04	8.716E-04	8.217E-03	1.217E-03	1.273E-03	1.376E-03	1.531E-03	1.724E-03	2.136E-03
3.00E-01---4.00E-01	1.911E-03	1.195E-03	3.475E-03	3.504E-03	3.449E-03	3.598E-03	3.644E-03	3.690E-03	3.745E-03
2.00E-01---3.00E-01	3.467E-03	9.230E-03	9.285E-03	9.391E-03	9.544E-03	9.746E-03	1.000E-02	1.031E-02	1.066E-02
1.00E-01---2.00E-01	9.217E-03	2.417E-02	2.429E-02	2.451E-02	2.482E-02	2.523E-02	2.574E-02	2.634E-02	2.705E-02
5.00E-02---1.00E-01	2.614E-02	7.009E-03	7.024E-03	7.053E-03	7.095E-03	7.148E-03	7.214E-03	7.290E-03	7.376E-03
2.00E-02---5.00E-02	7.009E-03	7.009E-03	7.024E-03	7.053E-03	7.095E-03	7.148E-03	7.214E-03	7.290E-03	7.376E-03
ENERGY GROUP (MEV)	ANGLE 10	ANGLE 11	ANGLE 12	ANGLE 13	ANGLE 14	ANGLE 15	ANGLE 16	ANGLE 17	SCALAR FLUX
8.00E-00---1.00E-01	MU= 0.0950	MU= 0.2810	MU= 0.4580	MU= 0.6179	MU= 0.7556	MU= 0.8656	MU= 0.9446	MU= 0.9894	5.275E-04
6.50E-00---8.00E-01	2.347E-05	2.699E-05	3.080E-05	3.578E-05	4.117E-05	4.755E-05	5.499E-05	7.216E-05	7.272E-04
5.00E-00---6.50E-01	5.069E-05	5.738E-05	6.671E-05	7.712E-05	9.091E-05	1.078E-04	1.256E-04	2.890E-04	2.990E-03
4.00E-00---5.00E-01	1.040E-04	1.889E-04	2.554E-04	3.933E-04	8.12E-04	1.056E-03	1.270E-03	1.653E-03	8.517E-03
3.00E-00---4.00E-01	3.040E-04	3.467E-04	4.105E-04	4.878E-04	7.789E-04	9.496E-04	1.308E-04	1.614E-03	3.004E-03
2.50E-00---3.00E-01	7.757E-04	2.098E-04	2.667E-04	3.939E-04	6.929E-04	7.459E-04	1.049E-03	2.038E-03	4.698E-03
2.00E-00---2.50E-01	2.295E-04	3.488E-04	4.452E-04	6.194E-04	9.358E-04	1.221E-03	1.221E-03	3.151E-03	3.533E-03
1.66E-00---2.00E-01	2.386E-04	2.904E-04	3.865E-04	5.294E-04	7.999E-04	1.666E-03	1.666E-03	4.244E-03	4.697E-03
1.33E-00---1.66E-01	2.666E-04	2.688E-04	3.535E-04	4.791E-04	6.611E-04	9.796E-04	1.336E-03	2.887E-03	3.826E-03
1.00E-00---1.33E-01	2.304E-04	2.865E-04	3.690E-04	5.061E-04	6.948E-04	9.592E-04	1.441E-03	1.441E-03	4.309E-03
8.00E-01---1.00E-01	3.186E-04	4.024E-04	5.246E-04	6.971E-04	9.133E-04	1.165E-03	1.441E-03	1.441E-03	5.547E-03
6.00E-01---8.00E-01	4.890E-04	6.286E-04	7.922E-04	9.911E-04	1.197E-03	1.419E-03	1.651E-03	1.651E-03	7.661E-03
4.00E-01---6.00E-01	1.664E-03	2.149E-03	2.395E-03	2.641E-03	2.920E-03	3.279E-03	3.794E-03	2.164E-02	2.818E-02
3.00E-01---4.00E-01	2.312E-03	2.477E-03	2.642E-03	2.942E-03	3.083E-03	3.369E-03	3.682E-03	4.021E-03	4.586E-03
2.00E-01---3.00E-01	3.935E-03	4.100E-03	4.299E-03	4.544E-03	4.821E-03	5.142E-03	5.507E-03	5.937E-03	5.136E-02
1.00E-01---2.00E-01	1.110E-02	1.158E-02	1.212E-02	1.269E-02	1.330E-02	1.391E-02	1.449E-02	1.449E-02	1.409E-01
5.00E-02---1.00E-01	2.781E-02	2.866E-02	2.956E-02	3.048E-02	3.138E-02	3.220E-02	3.388E-02	3.333E-02	3.496E-01
2.00E-02---5.00E-02	7.471E-03	7.570E-03	7.672E-03	7.771E-03	7.863E-03	7.942E-03	8.003E-03	8.039E-03	9.365E-02

4 PI R**2 FLUENCE AT 400.0 METERS

FISSION SOURCE

(GAMMAS/NEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
8.00E 00---1.00E 01	MU=0.9894	MU=0.9446	MU=0.8656	MU=-0.7550	MU=-0.6179	MU=-0.4580	MU=-0.2816	MU=-0.0950	MU=-0.950
6.50E 00---8.00E 00	1.462E-05	1.669E-05	1.503E-05	1.559E-05	1.647E-05	1.770E-05	1.934E-05	2.158E-05	2.442E-05
5.00E 00---6.50E 00	3.076E-05	3.093E-05	3.162E-05	3.294E-05	3.474E-05	3.877E-05	4.295E-05	5.152E-05	5.152E-05
4.00E 00---5.00E 00	3.58E-04	3.578E-04	3.659E-04	3.811E-04	4.028E-04	4.318E-04	4.702E-04	5.890E-04	5.890E-04
3.00E 00---4.00E 00	9.51E-05	9.77E-05	1.025E-04	1.101E-04	1.189E-04	1.286E-04	1.403E-04	1.563E-04	1.796E-04
2.50E 00---3.00E 00	1.725E-04	1.742E-04	1.805E-04	1.912E-04	2.044E-04	2.198E-04	2.392E-04	2.656E-04	3.026E-04
2.00E 00---2.50E 00	6.44E-05	6.284E-05	6.890E-05	7.636E-05	8.441E-05	9.283E-05	1.032E-04	1.185E-04	1.418E-04
1.66E 00---2.00E 00	8.573E-05	8.927E-05	9.096E-05	9.927E-05	1.055E-04	1.188E-04	1.320E-04	1.518E-04	1.814E-04
1.33E 00---1.66E 00	7.862E-05	7.927E-05	8.184E-05	8.661E-05	9.348E-05	1.034E-04	1.178E-04	1.388E-04	1.672E-04
1.00E 00---1.33E 00	1.03E-04	1.058E-04	1.041E-04	1.045E-04	1.101E-04	1.231E-04	1.441E-04	1.722E-04	2.075E-04
8.00E-01---1.00E 00	1.44E-04	1.129E-04	1.086E-04	1.059E-04	1.115E-04	1.285E-04	1.557E-04	1.898E-04	2.297E-04
6.00E-01---8.00E-01	1.383E-04	1.386E-04	1.408E-04	1.479E-04	1.622E-04	1.670E-04	2.200E-04	2.621E-04	3.176E-04
4.00E-01---6.00E-01	1.00E-03	1.04E-03	1.036E-03	1.016E-03	2.302E-04	2.615E-04	3.435E-04	4.864E-04	8.664E-04
3.00E-01---4.00E-01	1.405E-03	1.452E-03	1.540E-03	1.687E-03	1.192E-03	1.387E-03	1.575E-03	1.816E-03	1.816E-03
2.00E-01---3.00E-01	4.322E-03	4.330E-03	4.361E-03	4.409E-03	4.461E-03	4.512E-03	4.565E-03	4.636E-03	4.739E-03
1.00E-01---2.00E-01	1.175E-02	1.175E-02	1.189E-02	1.200E-02	1.217E-02	1.274E-02	1.316E-02	1.367E-02	1.367E-02
5.00E-02---1.00E-01	3.160E-02	3.164E-02	3.181E-02	3.213E-02	3.258E-02	3.318E-02	3.392E-02	3.480E-02	3.581E-02
2.00E-02---5.00E-02	9.286E-03	9.314E-03	9.356E-03	9.415E-03	9.493E-03	9.588E-03	9.699E-03	9.822E-03	9.822E-03
ENERGY GROUP (MEV)	ANGLE 11	ANGLE 12	ANGLE 13	ANGLE 14	ANGLE 15	ANGLE 16	ANGLE 17	SCALAR	FLUX
8.00E 00---1.00E 01	MU= 0.2816	MU= 0.4580	MU= 0.6179	MU= 0.7550	MU= 0.8656	MU= 0.9446	MU= 0.9894		
6.50E 00---8.00E 00	2.823E-05	3.317E-05	3.961E-05	4.778E-05	6.969E-05	8.311E-05	1.077E-04		
5.00E 00---6.50E 00	7.005E-05	7.005E-05	8.366E-05	8.1012E-05	1.234E-04	1.514E-04	1.902E-04	2.932E-04	9.036E-04
4.00E 00---5.00E 00	2.556E-04	2.120E-04	3.105E-04	3.842E-04	4.877E-04	6.425E-04	9.277E-04	1.036E-02	
3.00E 00---4.00E 00	4.183E-04	4.213E-04	5.032E-04	5.287E-04	6.138E-04	7.643E-04	9.813E-04	1.832E-03	5.628E-03
2.50E 00---3.00E 00	1.752E-04	1.752E-04	2.215E-04	3.741E-04	5.162E-04	7.669E-04	1.295E-03	3.111E-03	3.667E-03
2.00E 00---2.50E 00	2.233E-04	2.813E-04	3.597E-04	4.759E-04	6.626E-04	9.975E-04	1.704E-03	4.0485E-03	4.727E-03
1.66E 00---2.00E 00	2.079E-04	2.611E-04	3.378E-04	4.514E-04	6.329E-04	9.366E-04	1.501E-03	2.95C-05	4.229E-03
1.33E 00---1.66E 00	2.536E-04	3.168E-04	4.139E-04	5.613E-04	7.885E-04	1.139E-03	1.731E-03	3.146E-03	5.066E-03
1.00E 00---1.33E 00	2.812E-04	3.576E-04	4.777E-04	6.570E-04	9.058E-04	1.225E-03	1.631E-03	2.202E-03	5.315E-03
8.00E-01---1.00E 00	3.00E-04	3.00E-04	6.838E-04	6.838E-04	9.102E-04	1.188E-03	1.487E-03	2.123E-03	6.909E-03
6.00E-01---8.00E-01	6.235E-04	6.235E-04	8.030E-04	1.030E-03	1.279E-03	1.537E-03	1.792E-03	2.043E-03	9.549E-03
4.00E-01---6.00E-01	2.102E-03	2.433E-03	2.813E-03	3.729E-03	5.037E-03	7.342E-03	1.0667E-03	4.530E-03	2.694E-02
3.0CE-01---4.00E-01	2.892E-03	3.098E-03	3.313E-03	3.563E-03	3.860E-03	4.188E-03	4.516E-03	4.819E-03	5.505E-02
2.00E-01---3.00E-01	4.892E-03	5.098E-03	5.353E-03	5.650E-03	5.988E-03	6.334E-03	6.701E-03	7.065E-03	7.359E-02
1.00E-01---2.00E-01	1.498E-02	1.425E-02	1.562E-02	1.638E-02	1.716E-02	1.860E-02	1.909E-02	1.804E-01	1.804E-01
5.00E-02---1.00E-01	3.694E-02	3.817E-02	3.947E-02	4.079E-02	4.207E-02	4.323E-02	4.416E-02	4.476E-02	4.641E-01
2.00E-02---5.00E-02	9.958E-03	1.010E-02	1.025E-02	1.039E-02	1.053E-02	1.071E-02	1.076E-02	1.248E-01	1.248E-01

4 PI R**2 FLUENCE AT 500.0 METERS

Fission Source

(GAMMAS/MEV/STERADIAN/SOURCE NEUTRON)									
ENERGY GROUP (MEV)	ANGLE 1 MU=-1.0000	ANGLE 2 MU=-0.9894	ANGLE 3 MU=-0.9446	ANGLE 4 MU=-0.8656	ANGLE 5 MU=-0.7550	ANGLE 6 MU=-0.6179	ANGLE 7 MU=-0.4580	ANGLE 8 MU=-0.2866	ANGLE 9 MU=-0.0950
8.00E 00----1.00E 01	1.358E-05	1.365E-05	1.397E-05	1.458E-05	1.550E-05	1.677E-05	1.869E-05	2.403E-05	2.403E-05
6.50E 00----8.00E 00	2.840E-05	2.855E-05	2.931E-05	3.069E-05	3.266E-05	3.531E-05	3.889E-05	4.375E-05	5.038E-05
5.00E 00----6.50E 00	3.279E-04	3.300E-04	3.384E-04	3.541E-04	3.761E-04	4.057E-04	4.453E-04	4.990E-04	5.722E-04
4.00E 00----5.00E 00	8.618E-05	8.766E-05	9.276E-05	1.010E-04	1.101E-04	1.197E-04	1.312E-04	1.478E-04	1.726E-04
3.00E 00----4.00E 00	1.568E-04	1.588E-04	1.654E-04	1.767E-04	1.901E-04	2.055E-04	2.251E-04	2.528E-04	2.926E-04
2.50E 00----3.00E 00	5.230E-05	5.707E-05	6.439E-05	7.197E-05	7.969E-05	8.939E-05	1.044E-04	1.282E-04	1.444E-04
2.00E 00----2.50E 00	6.949E-05	7.077E-05	7.532E-05	8.258E-05	9.073E-05	9.873E-05	1.021E-04	1.322E-04	1.672E-04
1.66E 00----2.00E 00	6.944E-05	6.982E-05	7.149E-05	7.502E-05	8.108E-05	9.092E-05	1.060E-04	1.280E-04	1.590E-04
1.33E 00----1.66E 00	9.399E-05	9.318E-05	9.103E-05	9.028E-05	9.537E-05	1.088E-04	1.309E-04	1.606E-04	1.983E-04
1.00E 00----1.33E 00	1.047E-04	1.032E-04	9.880E-05	9.630E-05	1.028E-04	1.214E-04	1.508E-04	1.683E-04	2.330E-04
8.00E-01----1.00E 00	1.245E-04	1.251E-04	1.284E-04	1.372E-04	1.540E-04	1.802E-04	2.162E-04	2.645E-04	3.240E-04
6.00E-01----8.00E-01	1.625E-04	1.678E-04	1.873E-04	2.181E-04	2.518E-04	2.885E-04	3.360E-04	4.093E-04	5.288E-04
4.00E-01----6.00E-01	1.015E-03	1.022E-03	1.050E-03	1.104E-03	1.186E-03	1.305E-03	1.473E-03	1.700E-03	1.987E-03
3.00E-01----4.00E-01	4.511E-03	4.455E-03	4.511E-03	4.626E-03	4.809E-03	5.059E-03	5.354E-03	5.934E-03	6.934E-03
2.00E-01----3.00E-01	4.760E-03	4.767E-03	4.796E-03	4.840E-03	4.887E-03	4.932E-03	4.984E-03	5.058E-03	5.174E-03
1.00E-01----2.00E-01	1.288E-02	1.296E-02	1.300E-02	1.317E-02	1.342E-02	1.375E-02	1.411E-02	1.467E-02	1.521E-02
5.00E-02----1.00E-01	3.587E-02	3.592E-02	3.612E-02	3.651E-02	3.706E-02	3.780E-02	3.977E-02	4.101E-02	4.310E-02
2.00E-02----5.00E-02	1.064E-02	1.056E-02	1.067E-02	1.072E-02	1.080E-02	1.089E-02	1.101E-02	1.124E-02	1.149E-02
ENERGY GROUP (MEV)	ANGLE 10 MU= 0.0905	ANGLE 11 MU= 0.2816	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8556	ANGLE 16 MU= 0.9446	ANGLE 17 SCALAR FLUX MU= 0.9894	
8.00E 00----1.00E 01	2.836E-05	3.226E-05	4.232E-05	6.763E-05	1.068E-04	1.573E-05	1.068E-04	1.353E-04	4.531E-04
6.50E 00----8.00E 00	5.542E-05	7.174E-05	8.851E-05	1.113E-04	1.418E-04	1.811E-04	2.344E-04	3.463E-04	9.672E-04
5.00E 00----6.50E 00	6.718E-04	8.066E-04	9.888E-04	1.157E-03	1.568E-03	2.011E-03	2.631E-03	4.102E-03	1.098E-02
4.00E 00----5.00E 00	2.084E-04	2.575E-04	3.238E-04	4.157E-04	5.479E-04	7.459E-04	1.075E-03	1.974E-03	3.775E-03
3.00E 00----4.00E 00	3.485E-04	4.244E-04	5.256E-04	6.645E-04	8.595E-04	1.140E-03	1.571E-03	2.581E-03	5.911E-03
2.50E 00----3.00E 00	1.634E-04	2.128E-04	2.822E-04	3.849E-04	5.466E-04	8.187E-04	1.342E-03	2.959E-03	3.616E-03
2.00E 00----2.50E 00	2.052E-04	2.651E-04	3.514E-04	4.796E-04	6.835E-04	1.030E-03	1.701E-03	3.714E-03	4.544E-03
1.66E 00----2.00E 00	2.022E-04	2.630E-04	3.634E-04	4.897E-04	6.805E-04	1.034E-03	1.601E-03	2.892E-03	4.344E-03
1.33E 00----1.66E 00	2.488E-04	3.231E-04	4.374E-04	6.121E-04	8.705E-04	1.247E-03	1.824E-03	3.024E-03	5.205E-03
1.00E 00----1.33E 00	2.965E-04	3.933E-04	5.414E-04	7.591E-04	1.049E-03	1.405E-03	1.926E-03	2.360E-03	5.834E-03
8.00E 00----1.00E 00	4.304E-04	5.769E-04	7.835E-04	1.051E-03	1.364E-03	1.693E-03	2.008E-03	2.307E-03	7.096E-03
6.00E 00----8.00E-01	6.933E-04	9.194E-04	1.178E-03	1.462E-03	1.748E-03	2.018E-03	2.267E-03	2.508E-03	1.054E-02
4.00E 00----6.00E-01	3.005E-03	2.320E-03	3.035E-03	3.677E-03	3.717E-03	4.066E-03	4.450E-03	4.872E-03	2.944E-02
3.00E 00----4.00E-01	3.182E-03	3.412E-03	3.655E-03	3.937E-03	4.264E-03	4.611E-03	4.933E-03	5.191E-03	3.880E-02
2.00E 00----3.00E 00	5.346E-03	5.579E-03	5.867E-03	6.196E-03	6.552E-03	6.918E-03	7.272E-03	7.576E-03	6.935E-02
1.00E 00----2.00E 00	1.595E-02	1.672E-02	1.756E-02	1.846E-02	1.933E-02	2.017E-02	2.089E-02	2.138E-02	2.018E-01
5.00E 00----6.00E-01	4.239E-02	4.549E-02	4.864E-02	5.002E-02	5.112E-02	5.180E-02	5.323E-02	5.412E-02	5.180E-02
2.00E 00----5.00E-02	1.146E-02	1.163E-02	1.181E-02	1.198E-02	1.213E-02	1.227E-02	1.236E-02	1.242E-02	1.236E-01

4 PI R**2 FLUENCE AT 600.0 METERS

FISSION SOURCE

(GAMMAS/MEV/STERDIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
8.00E 00---1.00E 01	1.142E-05	1.149E-05	MU=-0.9446	MU=-0.8656	MU=-0.7550	MU=-0.6179	MU=-0.4580	MU=-0.2816	MU=-0.0950
6.50E 00---8.00E 00	2.377E-05	2.395E-05	2.465E-05	2.595E-05	2.776E-05	3.017E-05	3.594E-05	3.813E-05	2.119E-05
5.00E 00---6.50E 00	2.744E-04	2.764E-04	2.844E-04	2.990E-04	3.190E-04	3.457E-04	3.815E-04	3.924E-05	4.524E-05
4.00E 00---5.00E 00	6.947E-05	7.098E-05	7.644E-05	8.482E-05	9.342E-05	1.018E-04	1.117E-04	1.266E-04	5.004E-04
3.00E 00---4.00E 00	1.292E-04	1.310E-04	1.379E-04	1.489E-04	1.613E-04	1.749E-04	1.923E-04	2.176E-04	2.555E-04
2.50E 00---3.00E 00	3.860E-05	3.988E-05	4.446E-05	5.127E-05	5.794E-05	6.440E-05	7.262E-05	8.610E-05	1.033E-04
2.00E 00---2.50E 00	5.456E-05	5.554E-05	5.918E-05	6.496E-05	7.157E-05	7.955E-05	8.086E-05	1.086E-04	1.332E-04
1.66E 00---2.00E 00	5.823E-05	5.825E-05	5.868E-05	6.048E-05	6.515E-05	7.420E-05	8.875E-05	1.099E-04	1.396E-04
1.33E 00---1.66E 00	7.935E-05	7.821E-05	7.486E-05	7.253E-05	7.646E-05	8.926E-05	1.107E-04	1.392E-04	1.756E-04
1.00E 00---1.33E 00	8.910E-05	8.751E-05	8.291E-05	8.012E-05	8.639E-05	1.045E-04	1.332E-04	1.700E-04	2.167E-04
6.00E-01---1.00E 00	1.021E-04	1.029E-04	1.070E-04	1.166E-04	1.166E-04	1.544E-04	1.933E-04	2.424E-04	3.150E-04
6.00E-01---8.00E-01	1.330E-04	1.384E-04	1.581E-04	1.892E-04	2.221E-04	2.582E-04	3.076E-04	3.879E-04	5.175E-04
4.00E-01---6.00E-01	9.392E-04	9.458E-04	9.737E-04	1.029E-03	1.115E-03	1.255E-03	1.429E-03	1.678E-03	1.988E-03
3.00E-01---4.00E-01	1.356E-03	1.371E-03	1.336E-03	1.571E-03	1.778E-03	2.077E-03	2.679E-03	3.266E-03	3.966E-03
2.00E-01---3.00E-01	4.825E-03	4.831E-03	4.856E-03	4.892E-03	4.927E-03	4.962E-03	5.003E-03	5.070E-03	5.185E-03
1.00E-01---2.00E-01	1.304E-02	1.307E-02	1.316E-02	1.335E-02	1.362E-02	1.397E-02	1.442E-02	1.496E-02	1.559E-02
5.00E-02---1.00E-01	3.708E-02	3.713E-02	3.734E-02	3.778E-02	3.839E-02	3.918E-02	4.017E-02	4.135E-02	4.270E-02
2.00E-02---5.00E-02	1.109E-02	1.122E-02	1.117E-02	1.125E-02	1.136E-02	1.148E-02	1.163E-02	1.179E-02	1.195E-02
ENERGY GROUP (MEV)	ANGLE 10	ANGLE 11	ANGLE 12	ANGLE 13	ANGLE 14	ANGLE 15	ANGLE 16	ANGLE 17	SCALAR FLUX
8.00E 00---1.00E 01	MU= 0.0950	MU= 0.2816	MU= 0.4580	MU= 0.6179	MU= 0.7550	MU= 0.8656	MU= 0.9446	MU= 0.994	MU= 0.994
6.50E 00---8.00E 00	2.546E-05	3.150E-05	4.010E-05	5.244E-05	6.991E-05	9.353E-05	1.226E-04	1.587E-04	4.448E-04
5.00E 00---6.50E 00	5.312E-05	6.561E-05	8.334E-05	1.087E-04	1.450E-04	1.951E-04	2.622E-04	3.831E-04	9.384E-04
4.00E 00---5.00E 00	7.972E-04	7.322E-04	9.220E-04	1.092E-03	1.572E-03	2.111E-03	2.857E-03	4.363E-03	1.042E-02
3.00E 00---4.00E 00	2.004E-04	2.349E-04	3.043E-04	4.052E-04	5.582E-04	7.934E-04	1.168E-03	2.046E-03	3.616E-03
2.50E 00---3.00E 00	3.102E-04	3.864E-04	4.926E-04	6.454E-04	8.708E-04	1.203E-03	1.697E-03	2.684E-03	5.680E-03
2.00E 00---2.50E 00	1.422E-04	1.911E-04	2.626E-04	3.728E-04	5.500E-04	8.222E-04	1.361E-03	2.769E-03	3.423E-03
1.66E 00---2.00E 00	1.821E-04	2.363E-04	3.241E-04	4.599E-04	6.770E-04	1.033E-03	1.667E-03	3.352E-03	4.216E-03
1.33E 00---1.66E 00	2.262E-04	3.048E-04	4.305E-04	6.242E-04	9.050E-04	1.295E-03	1.844E-03	2.837E-03	5.067E-03
1.00E 00---1.33E 00	2.842E-04	3.918E-04	5.608E-04	8.046E-04	1.121E-03	1.493E-03	1.906E-03	2.378E-03	5.917E-03
8.00E 00---1.00E 00	4.258E-04	5.913E-04	8.220E-04	1.114E-03	1.446E-03	1.782E-03	2.085E-03	2.343E-03	7.611E-03
6.00E 00---8.00E 00	7.064E-04	9.515E-04	1.236E-03	1.537E-03	1.830E-03	2.098E-03	2.332E-03	2.534E-03	1.073E-02
4.00E 00---6.00E 00	2.343E-03	2.718E-03	3.087E-03	3.782E-03	4.501E-03	4.864E-03	4.501E-03	4.234E-03	2.752E-03
3.00E 00---4.00E 00	3.216E-03	3.447E-03	3.698E-03	3.986E-03	4.320E-03	4.666E-03	4.970E-03	5.188E-03	3.863E-02
2.00E 00---3.00E 00	5.601E-03	5.360E-03	5.899E-03	6.235E-03	6.594E-03	6.934E-03	7.287E-03	7.544E-03	6.987E-02
1.00E 00---2.00E 00	1.714E-02	1.632E-02	1.802E-02	1.898E-02	1.988E-02	2.075E-02	2.147E-02	2.194E-02	2.064E-01
5.00E 00---6.00E 00	4.587E-02	4.422E-02	4.761E-02	5.104E-02	5.253E-02	5.371E-02	5.442E-02	5.553E-02	5.553E-01
2.00E 00---5.00E 00	1.216E-02	1.197E-02	1.254E-02	1.271E-02	1.285E-02	1.296E-02	1.302E-02	1.302E-02	1.500E-01

4 PI R**2 FLUENCE AT 900.0 METERS

FISSION SOURCE

(GAMMAS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=-1.0000	ANGLE 2 MU=-0.9894	ANGLE 3 MU=-0.9446	ANGLE 4 MU=-0.8656	ANGLE 5 MU=-0.7550	ANGLE 6 MU=-0.6179	ANGLE 7 MU=-0.4580	ANGLE 8 MU=0.2816	ANGLE 9 MU=-0.0550
8.00E 00---1.00E 01	4.806E-06	5.046E-06	5.379E-06	5.014E-06	6.73E-06	8.147E-06	8.273E-06	9.956E-06	
6.50E 00---8.00E 00	9.759E-06	9.901E-06	1.043E-05	1.129E-05	1.228E-05	1.342E-05	1.491E-05	2.063E-05	
5.00E 00---6.50E 00	1.140E-04	1.154E-04	1.208E-04	1.297E-04	1.403E-04	1.528E-04	1.694E-04	2.318E-04	
4.00E 00---5.00E 00	2.278E-05	2.440E-05	2.957E-05	3.745E-05	4.306E-05	4.613E-05	4.879E-05	6.882E-05	
3.00E 00---4.00E 00	4.508E-05	5.079E-05	5.683E-05	6.529E-05	7.248E-05	7.806E-05	8.462E-05	9.668E-05	1.183E-04
2.50E 00---3.00E 00	1.259E-05	1.626E-05	2.110E-05	2.468E-05	2.654E-05	2.986E-05	3.657E-05	4.566E-05	
2.00E 00---2.50E 00	2.247E-05	2.272E-05	2.370E-05	2.535E-05	2.769E-05	3.143E-05	3.767E-05	4.774E-05	6.320E-05
1.66E 00---2.00E 00	3.042E-05	2.949E-05	2.650E-05	2.354E-05	2.413E-05	2.979E-05	4.006E-05	5.350E-05	7.034E-05
1.33E 00---1.66E 00	4.256E-05	4.056E-05	3.410E-05	2.748E-05	2.756E-05	3.635E-05	5.169E-05	6.965E-05	9.028E-05
1.00E 00---1.33E 00	4.458E-05	4.279E-05	3.726E-05	3.268E-05	3.571E-05	4.781E-05	6.662E-05	8.963E-05	1.209E-04
8.00E 00---1.00E 00	8.812E-05	9.918E-05	6.708E-05	6.164E-05	1.131E-05	1.340E-04	1.913E-04	1.310E-04	1.913E-04
6.00E 00---8.00E 01	4.417E-05	5.541E-04	5.745E-04	6.116E-04	6.789E-04	7.904E-04	9.576E-04	1.185E-03	1.463E-03
4.00E 00---6.00E 01	8.332E-04	9.031E-04	9.041E-04	9.172E-04	9.322E-04	1.041E-03	1.245E-03	1.504E-03	2.263E-03
3.00E 00---4.00E 01	3.729E-03	3.726E-03	3.739E-03	3.739E-03	3.749E-03	3.750E-03	3.743E-03	3.741E-03	3.832E-03
2.00E 00---3.00E 01	9.911E-03	9.871E-03	9.871E-03	9.911E-03	9.975E-03	1.013E-02	1.035E-02	1.056E-02	1.174E-02
1.00E 00---2.00E 01	2.937E-02	2.956E-02	2.956E-02	2.956E-02	2.993E-02	3.046E-02	3.115E-02	3.202E-02	3.424E-02
5.00E 00---2.00E 01	8.892E-03	8.899E-03	8.925E-03	8.974E-03	9.043E-03	9.133E-03	9.243E-03	9.516E-03	
2.00E 00---5.00E 02	8.899E-03	8.899E-03	8.925E-03	8.974E-03	9.043E-03	9.133E-03	9.243E-03	9.516E-03	
ENERGY GROUP (MEV)	ANGLE 10 MU= 0.950	ANGLE 11 MU= 0.2816	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9894	SCALAR FLUX
8.00E 00---1.00E 01	1.248E-05	1.634E-05	2.243E-05	3.251E-05	4.969E-05	7.862E-05	1.231E-04	1.805E-04	2.984E-04
6.50E 00---8.00E 00	2.589E-05	3.380E-05	4.609E-05	6.630E-05	1.008E-04	1.554E-04	2.515E-04	3.934E-04	6.155E-04
5.00E 00---6.50E 00	3.71E-04	4.879E-04	4.987E-04	7.041E-04	1.049E-03	2.542E-03	4.642E-03	8.000E-03	1.900E-03
4.00E 00---5.00E 00	9.140E-04	1.238E-04	1.715E-04	2.517E-04	3.998E-04	6.67E-04	1.113E-03	2.454E-03	6.554E-03
3.00E 00---4.00E 00	2.006E-04	2.520E-04	2.738E-04	3.958E-04	6.106E-04	9.771E-04	4.548E-03	1.220E-03	3.698E-03
2.50E 00---3.00E 00	7.080E-05	1.031E-04	1.562E-04	2.525E-04	4.288E-04	7.330E-04	1.220E-03	2.130E-03	2.419E-03
2.00E 00---2.50E 00	8.697E-05	1.259E-04	1.941E-04	3.162E-04	5.264E-04	8.659E-04	1.367E-03	2.343E-03	2.873E-03
1.66E 00---2.00E 00	9.577E-04	1.421E-04	2.287E-04	3.797E-04	6.190E-04	9.662E-04	1.437E-03	2.110E-03	3.125E-03
1.33E 00---1.66E 00	1.227E-04	1.860E-04	3.044E-04	4.984E-04	7.765E-04	2.134E-03	1.559E-03	3.739E-03	
1.00E 00---1.33E 00	1.754E-04	2.765E-04	4.462E-04	6.918E-04	9.970E-04	1.326E-03	1.638E-03	1.911E-03	
8.00E 00---1.00E 00	2.960E-04	4.600E-04	6.874E-04	9.644E-04	1.259E-03	1.528E-03	1.737E-03	1.872E-03	
6.00E 00---8.00E 01	5.463E-04	7.828E-04	1.044E-03	1.301E-03	1.532E-03	1.726E-03	1.880E-03	1.989E-03	
4.00E 00---6.00E 01	1.769E-03	2.074E-03	2.357E-03	2.615E-03	2.863E-03	3.120E-03	3.385E-03	3.607E-03	
3.00E 00---4.00E 01	2.436E-03	2.592E-03	2.770E-03	2.995E-03	3.257E-03	3.517E-03	3.725E-03	3.849E-03	
2.00E 00---3.00E 01	3.959E-03	4.143E-03	4.373E-03	4.532E-03	4.903E-03	5.169E-03	5.402E-03	5.562E-03	
1.00E 00---2.00E 01	1.261E-02	1.329E-02	1.403E-02	1.480E-02	1.556E-02	1.625E-02	1.715E-02	1.544E-01	
5.00E 00---6.00E 01	3.558E-02	3.704E-02	3.857E-02	4.011E-02	4.157E-02	4.286E-02	4.387E-02	4.468E-02	
2.00E 00---5.00E 02	9.673E-03	9.838E-03	1.000E-02	1.017E-02	1.031E-02	1.044E-02	1.053E-02	1.058E-02	

4 PI R**2 FLUENCE AT 1200.0 METERS

FISSION SOURCE

(GAMMAS/MEV/STERDIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=1.0000	ANGLE 2 MU=-0.9894	ANGLE 3 MU=-0.0446	ANGLE 4 MU=-0.8656	ANGLE 5 MU=-0.7550	ANGLE 6 MU=-0.6179	ANGLE 7 MU=-0.4580	ANGLE 8 MU=-0.2816	ANGLE 9 MU=-0.0950
8.00E 00---1.00E 01	1.476E-06	1.624E-06	1.800E-06	1.979E-06	2.163E-06	2.400E-06	3.440E-06	3.788E-06	3.440E-06
6.50E 00---8.00E 00	2.795E-06	2.902E-06	3.283E-06	3.814E-06	4.260E-06	4.594E-06	5.696E-06	5.932E-06	7.064E-06
5.00E 00---6.50E 00	3.437E-05	3.531E-05	3.871E-05	4.357E-05	4.797E-05	5.179E-05	5.649E-05	6.478E-05	7.933E-05
4.00E 00---5.00E 00	6.958E-06	3.257E-06	7.830E-06	1.356E-05	1.703E-05	1.674E-05	1.552E-05	2.299E-05	2.299E-05
3.00E 00---4.00E 00	1.091E-05	1.231E-05	1.702E-05	2.286E-05	2.638E-05	2.718E-05	2.742E-05	3.093E-05	4.045E-05
2.50E 00---3.00E 00	8.500E-07	8.500E-07	1.721E-06	7.577E-06	9.300E-06	9.240E-06	9.157E-06	1.158E-05	1.776E-05
2.00E 00---2.50E 00	8.644E-06	8.559E-06	8.276E-06	8.007E-06	8.286E-06	8.700E-06	1.268E-05	1.729E-05	2.356E-05
1.66E 00---2.00E 00	1.620E-05	1.620E-05	1.073E-05	6.195E-06	5.174E-06	8.621E-06	1.510E-05	2.179E-05	2.759E-05
1.33E 00---1.66E 00	2.295E-05	2.087E-05	1.374E-05	6.257E-06	5.238E-06	1.059E-05	2.040E-05	2.895E-05	3.551E-05
1.00E 00---1.33E 00	2.065E-05	1.901E-05	1.375E-05	8.871E-06	9.774E-06	1.668E-05	2.649E-05	4.949E-05	4.949E-05
8.00E-01---1.00E 00	7.374E-06	8.507E-06	8.727E-05	1.899E-05	3.499E-05	3.010E-05	3.650E-05	3.627E-05	8.74E-05
6.00E-01---8.00E-01	1.650E-05	5.949E-05	1.953E-05	3.633E-05	4.722E-05	5.310E-05	6.764E-05	1.097E-04	1.900E-04
4.00E-01---6.00E-01	2.656E-04	2.666E-04	2.725E-04	2.893E-04	3.270E-04	3.960E-04	5.081E-04	6.618E-04	8.474E-04
3.00E-01---4.00E-01	3.864E-04	3.978E-04	4.478E-04	5.465E-04	6.918E-04	8.718E-04	1.061E-03	1.399E-03	1.399E-03
2.00E-01---3.00E-01	2.251E-03	2.252E-03	2.556E-03	2.525E-03	2.237E-03	2.212E-03	2.187E-03	2.179E-03	2.204E-03
1.00E-01---2.00E-01	5.776E-03	5.789E-03	5.841E-03	5.937E-03	6.075E-03	6.256E-03	6.482E-03	6.756E-03	7.077E-03
5.00E-02---1.00E-01	1.758E-02	1.761E-02	1.773E-02	1.796E-02	1.829E-02	1.877E-02	1.927E-02	1.991E-02	2.066E-02
2.00E-02---5.00E-02	5.369E-03	5.373E-03	5.420E-03	5.463E-03	5.519E-03	5.588E-03	5.663E-03	5.758E-03	5.863E-03
ENERGY GROUP (MEV)	ANGLE 10 MU= 0.0950	ANGLE 11 MU= 0.2816	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9894	SCALAR FLUX
8.00E 00---1.00E 01	4.484E-06	6.135E-06	8.907E-06	1.406E-05	2.448E-05	4.601E-05	8.753E-05	1.515E-05	1.515E-04
6.50E 00---8.00E 00	9.305E-06	1.271E-05	1.819E-05	2.826E-05	4.884E-05	9.153E-05	1.736E-04	3.108E-04	3.174E-04
5.00E 00---6.50E 00	1.027E-04	1.377E-04	1.933E-04	2.926E-04	4.885E-04	8.899E-04	1.635E-03	2.277E-03	3.174E-03
4.00E 00---5.00E 00	3.439E-05	4.934E-05	6.966E-05	1.092E-04	2.022E-04	4.076E-04	7.944E-04	1.439E-03	1.336E-03
3.00E 00---4.00E 00	5.610E-05	7.739E-05	1.095E-04	1.720E-04	3.070E-04	5.707E-04	1.051E-03	1.747E-03	1.910E-03
2.50E 00---3.00E 00	2.764E-05	4.219E-05	6.866E-05	1.270E-04	2.527E-04	4.918E-04	8.812E-04	1.473E-03	1.428E-03
2.00E 00---2.50E 00	3.283E-05	5.034E-05	8.840E-05	1.687E-04	3.215E-04	5.768E-04	9.612E-04	1.511E-03	1.667E-03
1.66E 00---2.00E 00	3.633E-05	5.930E-05	1.143E-04	2.222E-04	4.316E-04	6.626E-04	9.977E-04	1.390E-03	1.877E-03
1.33E 00---1.66E 00	4.195E-05	8.399E-05	1.655E-04	3.082E-04	5.145E-04	7.700E-04	1.048E-03	1.326E-03	2.242E-03
1.00E 00---1.33E 00	7.962E-05	1.473E-04	2.704E-04	4.516E-04	6.708E-04	6.912E-04	1.075E-03	1.204E-03	2.826E-03
8.00E-01---1.00E 00	1.587E-04	2.761E-04	4.397E-04	6.341E-04	8.295E-04	9.919E-04	1.098E-03	1.150E-03	3.705E-03
6.00E-01---8.00E-01	3.299E-04	4.980E-04	6.755E-04	8.376E-04	9.702E-04	1.033E-03	1.152E-03	1.205E-03	5.076E-03
4.00E-01---6.00E-01	1.044E-03	1.230E-03	1.368E-03	1.521E-03	1.648E-03	1.781E-03	1.938E-03	1.938E-03	1.229E-02
3.00E-01---4.00E-01	1.432E-03	1.503E-03	1.594E-03	1.723E-03	1.878E-03	2.027E-03	2.136E-03	2.192E-03	1.671E-02
2.00E-01---3.00E-01	2.374E-03	2.506E-03	2.652E-03	2.804E-03	2.932E-03	3.083E-03	3.171E-03	3.018E-03	3.018E-03
1.00E-01---2.00E-01	7.447E-03	7.860E-03	8.306E-03	8.770E-03	9.225E-03	9.638E-03	9.967E-03	1.017E-02	9.410E-02
5.00E-02---1.00E-01	2.150E-02	2.241E-02	2.336E-02	2.433E-02	2.524E-02	2.664E-02	2.666E-02	2.703E-02	2.699E-01
2.00E-02---5.00E-02	5.956E-03	5.959E-03	6.063E-03	6.163E-03	6.254E-03	6.330E-03	6.387E-03	6.421E-03	7.335E-02

4 PI R**2 FLUENCE AT 1500.0 METERS

FISSION SOURCE

(GAMMAS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=-1.000	ANGLE 2 MU=-0.9894	ANGLE 3 MU=-0.9467	ANGLE 4 MU= -0.8656	ANGLE 5 MU= -0.7550	ANGLE 6 MU= -0.6179	ANGLE 7 MU= -0.4580	ANGLE 8 MU= -0.2816	ANGLE 9 MU= -0.0550
8.00E 00---1.00E 01	3.434E-07	3.647E-07	4.385E-07	5.364E-07	6.087E-07	6.485E-07	6.870E-07	7.861E-07	1.006E-06
6.00E 00---8.00E 00	4.937E-07	5.731E-07	8.369E-07	1.167E-06	1.372E-06	1.411E-06	1.391E-06	1.536E-06	2.026E-06
5.00E 00---6.50E 00	7.745E-06	8.346E-06	1.043E-05	1.309E-05	1.485E-05	1.552E-05	1.580E-05	1.805E-05	2.313E-05
4.00E 00---5.00E 00	-3.328E-06	-2.155E-06	8.762E-07	5.142E-06	6.474E-06	5.574E-06	3.987E-06	2.835E-06	6.133E-06
3.00E 00---4.00E 00	-4.347E-07	6.227E-07	3.724E-06	7.589E-06	9.343E-06	8.392E-06	7.042E-06	7.625E-06	1.161E-05
2.50E 00---3.00E 00	-1.561E-06	-9.313E-07	6.909E-07	2.895E-06	3.422E-06	2.807E-06	2.048E-06	2.779E-06	5.622E-06
2.00E 00---2.50E 00	3.561E-06	3.407E-06	2.857E-06	2.153E-06	1.852E-06	2.376E-06	3.854E-06	5.913E-06	8.007E-06
1.66E 00---2.00E 00	8.889E-06	7.895E-06	3.909E-06	5.155E-07	-1.729E-07	1.672E-06	5.607E-06	8.792E-06	9.222E-06
1.33E 00---1.66E 00	1.287E-05	1.127E-05	4.999E-06	-3.398E-08	-7.904E-07	2.281E-06	8.174E-06	1.193E-05	1.197E-05
1.00E 00---1.33E 00	9.963E-06	8.159E-06	4.244E-06	1.388E-06	1.687E-06	4.972E-06	9.983E-06	1.312E-05	1.679E-05
8.00E-01---1.00E 00	-1.687E-06	-7.561E-07	2.164E-06	6.589E-06	9.435E-06	1.065E-05	1.121E-05	1.642E-05	3.433E-05
6.00E-01---8.00E-01	-8.341E-06	-5.359E-06	3.233E-06	1.451E-05	1.851E-05	1.888E-05	2.268E-05	4.473E-05	9.536E-05
4.00E-01---6.00E-01	1.191E-04	1.191E-04	1.198E-04	1.257E-04	1.437E-04	1.816E-04	2.452E-04	3.442E-04	4.407E-04
3.00E-01---4.00E-01	1.660E-04	1.726E-04	2.021E-04	2.607E-04	3.476E-04	4.552E-04	5.640E-04	6.542E-04	7.130E-04
2.00E-01---3.00E-01	1.205E-03	1.206E-03	1.205E-03	1.200E-03	1.185E-03	1.161E-03	1.136E-03	1.121E-03	1.126E-03
1.00E-01---2.00E-01	2.988E-03	2.959E-03	3.023E-03	3.074E-03	3.147E-03	3.242E-03	3.361E-03	3.503E-03	3.670E-03
5.00E-02---1.00E-01	9.206E-03	9.221E-03	9.287E-03	9.407E-03	9.517E-03	9.811E-03	1.010E-02	1.044E-02	1.093E-02
2.00E-02---5.00E-02	2.817E-03	2.819E-03	2.828E-03	2.844E-03	2.867E-03	2.896E-03	2.932E-03	2.975E-03	3.022E-03
ENERGY GROUP (MEV)	ANGLE 11 MU= 0.0950	ANGLE 12 MU= 0.2816	ANGLE 13 MU= 0.4580	ANGLE 14 MU= 0.6179	ANGLE 15 MU= 0.7550	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9894	SCALAR FLUX	
8.00E 00---1.00E 01	1.384E-06	1.973E-06	2.963E-06	5.003E-06	.9.09E-06	2.232E-05	5.198E-05	1.078E-04	7.606E-05
6.50E 00---6.50E 00	2.907E-06	4.151E-06	6.031E-06	9.846E-06	1.941E-05	4.379E-05	1.008E-04	2.110E-04	1.499E-04
4.00E 00---5.00E 00	3.174E-05	4.409E-05	6.299E-05	1.000E-04	1.871E-04	3.993E-04	8.829E-04	1.829E-03	1.397E-03
3.00E 00---4.00E 00	1.202E-05	1.193E-05	2.376E-05	3.751E-05	8.379E-05	2.098E-04	4.804E-04	9.462E-04	6.644E-04
2.00E 00---3.00E 00	1.488E-05	2.636E-05	3.649E-05	6.124E-05	1.302E-04	2.935E-04	6.085E-04	9.010E-04	9.010E-04
1.46E 00---2.50E 00	1.047E-05	1.644E-05	2.489E-05	5.354E-05	1.271E-04	3.814E-04	5.446E-04	9.135E-04	7.644E-04
1.33E 00---1.66E 00	1.057E-05	1.958E-05	4.927E-05	1.140E-04	2.256E-04	3.346E-04	5.779E-04	8.911E-04	8.810E-04
1.00E 00---1.00E 00	3.161E-05	3.161E-05	7.932E-05	1.678E-04	2.959E-04	4.498E-04	6.067E-04	7.426E-04	1.202E-03
8.00E 00---1.00E 00	3.055E-05	6.907E-05	1.444E-04	2.565E-04	3.888E-04	5.127E-04	6.028E-04	6.529E-04	1.524E-03
6.00E 00---8.00E 00	1.776E-04	2.786E-04	4.462E-04	3.603E-04	4.664E-04	5.299E-04	5.751E-04	6.095E-04	6.337E-04
4.00E 00---6.00E 00	5.501E-04	6.467E-04	7.219E-04	8.315E-04	8.959E-04	9.721E-04	1.036E-03	6.234E-03	
3.00E 00---4.00E 00	7.449E-04	7.693E-04	8.084E-04	8.729E-04	9.531E-04	1.027E-03	1.074E-03	1.093E-03	
2.00E 00---3.00E 00	1.156E-03	1.207E-03	1.271E-03	1.342E-03	1.414E-03	1.486E-03	1.550E-03	1.593E-03	
1.00E 00---2.00E 00	3.862E-03	4.075E-03	4.305E-03	4.522E-03	4.74E-03	4.983E-03	5.149E-03	5.249E-03	
5.00E 00---1.00E 00	1.127E-02	1.175E-02	1.225E-02	1.274E-02	1.324E-02	1.365E-02	1.417E-02	1.475E-02	
2.00E 00---5.00E 02	3.073E-03	3.127E-03	3.182E-03	3.234E-03	3.281E-03	3.321E-03	3.351E-03	3.368E-03	

4 PI R**2 FLUENCE AT 1600.0 METERS

FISSION SOURCE

(GAMMAS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
8.00E 00----1.00E 01	MU= 0.9894	MU= -0.9446	MU= -0.9656	MU= 0.7550	MU= 0.6179	MU= -0.4580	MU= -0.2816	MU= -0.0950	MU= -0.0950
8.00E 00----1.00E 00	3.808E-08	5.250E-08	9.848E-08	1.553E-07	1.881E-07	1.861E-07	1.717E-07	1.872E-07	2.617E-07
6.50E 00----8.00E 00	-6.739E-08	-8.411E-09	1.481E-07	3.691E-07	4.554E-07	4.164E-07	3.271E-07	3.155E-07	5.067E-07
5.00E 00----6.50E 00	1.162E-06	2.366E-06	3.816E-06	4.582E-06	4.421E-06	3.971E-06	6.046E-06	6.251E-06	6.046E-06
4.00E 00----5.00E 00	-3.143E-06	-2.425E-06	-1.616E-07	1.559E-06	3.021E-06	1.563E-06	1.375E-07	4.697E-08	1.421E-06
3.00E 00----4.00E 00	-2.173E-06	-1.496E-06	3.398E-07	2.743E-06	3.300E-06	2.533E-06	9.358E-07	3.311E-06	3.105E-06
2.50E 00----3.00E 00	-1.466E-06	-1.072E-06	2.160E-08	1.043E-06	1.344E-06	5.859E-07	1.987E-07	1.782E-06	1.782E-06
2.00E 00----2.50E 00	1.638E-06	1.512E-06	1.052E-06	3.865E-07	1.585E-07	4.055E-07	1.142E-06	2.120E-06	2.731E-06
1.66E 00----2.00E 00	4.968E-06	4.302E-06	1.706E-06	5.494E-07	-1.140E-06	5.645E-08	2.30E-06	3.667E-06	3.209E-06
1.33E 00----1.66E 00	7.190E-06	6.144E-06	2.168E-06	-1.133E-06	-1.710E-06	1.624E-07	3.626E-06	5.079E-06	3.611E-06
1.00E 00----1.33E 00	4.919E-06	4.231E-06	1.469E-06	-5.312E-07	-3.98E-07	1.406E-06	3.966E-06	4.579E-06	4.842E-06
8.00E-01----1.00E 00	-2.165E-06	-2.165E-06	-8.544E-08	2.033E-06	4.070E-06	3.680E-06	2.855E-06	4.143E-06	1.304E-05
6.00E-01----8.00E-01	-7.503E-06	-6.694E-06	1.048E-07	5.154E-06	8.195E-06	5.969E-06	6.670E-06	1.718E-05	4.528E-05
4.00E-01----6.00E-01	5.298E-05	5.268E-05	5.200E-05	5.321E-05	6.162E-05	8.076E-05	1.254E-04	1.616E-04	2.177E-04
3.00E-01----4.00E-01	6.946E-05	7.294E-05	8.863E-05	1.201E-04	1.673E-04	2.254E-04	2.829E-04	3.281E-04	3.540E-04
2.00E-01----3.00E-01	6.055E-04	6.056E-04	6.049E-04	6.006E-04	5.901E-04	5.740E-04	5.566E-04	5.439E-04	5.446E-04
1.00E-01----2.00E-01	1.455E-03	1.458E-03	1.472E-03	1.498E-03	1.534E-03	1.580E-03	1.338E-03	1.767E-03	1.766E-03
5.00E-02----1.00E-01	4.511E-03	4.543E-03	4.602E-03	4.686E-03	4.798E-03	4.936E-03	5.102E-03	5.292E-03	5.292E-03
2.00E-02----5.00E-02	1.377E-03	1.378E-03	1.382E-03	1.390E-03	1.401E-03	1.415E-03	1.453E-03	1.476E-03	1.476E-03
ENERGY GROUP (MEV)	ANGLE 10	ANGLE 11	ANGLE 12	ANGLE 13	ANGLE 14	ANGLE 15	ANGLE 16	ANGLE 17	SCALAR FLUX
8.00E 00----1.00E 01	MU= 0.0950	MU= 0.2816	MU= 0.4580	MU= 0.6179	MU= 0.7550	MU= 0.8666	MU= 0.9446	MU= 0.9894	3.607E-05
8.00E 00----1.00E 00	4.009E-07	5.962E-07	8.926E-07	1.562E-06	3.545E-06	9.725E-06	2.765E-05	6.940E-05	6.922E-05
6.50E 00----8.00E 00	8.721E-07	1.310E-06	1.811E-06	2.963E-06	6.773E-06	1.892E-05	1.312E-05	1.037E-04	1.037E-04
5.00E 00----6.50E 00	9.277E-06	1.333E-05	1.858E-05	2.984E-05	6.321E-05	1.624E-04	4.312E-04	5.937E-04	5.937E-04
4.00E 00----5.00E 00	4.409E-06	6.728E-06	7.267E-06	1.019E-05	3.025E-05	9.845E-05	2.611E-04	5.644E-04	3.182E-04
3.00E 00----4.00E 00	6.281E-06	8.795E-06	1.072E-05	1.862E-05	5.040E-05	1.380E-04	3.233E-04	6.150E-04	4.121E-04
2.50E 00----3.00E 00	4.847E-06	7.732E-06	7.732E-06	1.266E-05	5.885E-05	1.470E-04	3.038E-04	5.16E-04	3.833E-04
2.00E 00----2.50E 00	2.924E-06	4.364E-06	1.178E-05	3.428E-05	8.477E-05	1.773E-04	3.147E-04	4.410E-04	4.864E-04
1.66E 00----2.00E 00	2.018E-06	4.964E-05	1.984E-05	5.514E-05	1.174E-04	2.084E-04	3.211E-04	4.328E-04	5.076E-04
1.33E 00----1.66E 00	2.725E-06	1.045E-05	3.622E-05	8.582E-05	1.571E-04	2.400E-04	3.816E-04	6.050E-04	6.050E-04
1.00E 00----1.33E 00	1.058E-05	3.081E-05	7.261E-05	1.352E-04	2.068E-04	2.692E-04	3.078E-04	3.226E-04	7.678E-04
8.00E-01----1.00E 00	3.515E-05	7.401E-05	1.282E-04	1.897E-04	2.452E-04	2.821E-04	2.954E-04	2.932E-04	9.984E-04
6.00E-01----8.00E-01	9.029E-05	1.980E-04	2.394E-04	2.665E-04	2.840E-04	2.977E-04	3.084E-04	3.352E-03	4.864E-04
4.00E-01----6.00E-01	2.735E-04	3.526E-04	3.740E-04	3.939E-04	4.219E-04	4.539E-04	4.901E-04	5.094E-04	5.094E-04
3.00E-01----4.00E-01	3.641E-04	3.703E-04	3.859E-04	4.165E-04	4.554E-04	4.888E-04	5.088E-04	5.111E-04	4.154E-03
2.00E-01----3.00E-01	5.563E-04	5.797E-04	6.090E-04	6.405E-04	6.722E-04	7.040E-04	7.332E-04	7.535E-04	7.504E-03
1.00E-01----2.00E-01	1.980E-03	1.878E-03	2.089E-03	2.201E-03	2.310E-03	2.407E-03	2.444E-03	2.531E-03	2.368E-02
5.00E-02----1.00E-01	5.505E-03	5.735E-03	5.977E-03	6.218E-03	6.643E-03	6.795E-03	6.906E-03	6.885E-03	6.906E-02
2.00E-02----5.00E-02	1.501E-03	1.527E-03	1.553E-03	1.578E-03	1.600E-03	1.620E-03	1.644E-03	1.664E-03	1.642E-02

$^4\text{PI R}^{**2}$ HENCER SCN DOSE (NEUTRONS)
(CM* 2 RAD/STERADIAN/SOURCE NEUTRON)

FISSION SOURCE

COSINE	75.0	100.0	150.0	RANGE (METERS)	200.0	250.0	300.0	400.0
-1.00000E 00	9.761E-11	1.166E-10	1.425E-10	1.544E-10	1.559E-10	1.504E-10	1.277E-10	1.281E-10
-9.89401E-01	1.428E-10	1.428E-10	1.548E-10	1.563E-10	1.508E-10	1.524E-10	1.295E-10	1.295E-10
-9.44575E-01	9.843E-11	1.177E-10	1.440E-10	1.562E-10	1.578E-10	1.610E-10	1.555E-10	1.524E-10
-8.65631E-01	9.985E-11	1.195E-10	1.465E-10	1.592E-10	1.659E-10	1.604E-10	1.604E-10	1.367E-10
-7.55044E-01	1.022E-10	1.226E-10	1.506E-10	1.639E-10	1.675E-10	1.675E-10	1.675E-10	1.429E-10
-6.17876E-01	1.060E-10	1.272E-10	1.566E-10	1.707E-10	1.731E-10	1.731E-10	1.731E-10	1.514E-10
-4.58017E-01	1.115E-10	1.339E-10	1.652E-10	1.803E-10	1.830E-10	1.772E-10	1.772E-10	1.627E-10
-2.81605E-01	1.194E-10	1.434E-10	1.771E-10	1.965E-10	1.904E-10	1.904E-10	1.904E-10	1.776E-10
-9.50125E-02	1.305E-10	1.567E-10	1.935E-10	2.113E-10	2.146E-10	2.079E-10	2.079E-10	1.967E-10
9.50125E-02	1.760E-10	1.899E-10	2.074E-10	2.386E-10	2.417E-10	2.314E-10	2.314E-10	2.231E-10
2.81605E-01	1.790E-10	1.997E-10	2.502E-10	2.643E-10	2.677E-10	2.623E-10	2.623E-10	2.575E-10
4.58017E-01	1.922E-10	2.271E-10	2.839E-10	3.174E-10	3.198E-10	3.041E-10	3.041E-10	3.058E-10
6.17876E-01	2.445E-10	3.268E-10	3.757E-10	3.777E-10	3.778E-10	3.650E-10	3.650E-10	3.753E-10
7.55044E-01	3.518E-10	5.577E-10	4.257E-10	4.863E-10	4.814E-10	4.537E-10	4.537E-10	4.839E-10
8.65631E-01	5.144E-10	8.696E-10	6.722E-10	6.603E-10	6.396E-10	5.994E-10	5.994E-10	6.829E-10
9.44575E-01	1.132E-09	1.089E-09	1.050E-09	1.046E-09	9.765E-10	8.837E-10	8.837E-10	8.853E-09
9.89401E-01	9.810E-09	8.511E-09	6.515E-09	5.017E-09	3.879E-09	3.022E-09	3.022E-09	1.853E-09
TOTAL	4.258E-09	4.359E-09	4.492E-09	4.457E-09	4.246E-09	3.933E-09	3.170E-09	
COSINE	500.0	600.0	900.0	RANGE (METERS)	1200.0	1500.0	1800.0	
-1.00000E 00	1.003E-10	7.478E-11	2.577E-11	7.593E-12	2.059E-12	5.326E-13		
-9.89401E-01	1.006E-10	7.499E-11	2.584E-11	7.616E-12	2.066E-12	5.343E-13		
-9.44575E-01	1.018E-10	7.590E-11	2.617E-11	7.715E-12	2.093E-12	5.414E-13		
-8.65631E-01	1.041E-10	7.765E-11	2.680E-11	7.903E-12	2.144E-12	5.547E-13		
-7.55044E-01	1.076E-10	8.031E-11	2.774E-11	8.184E-12	2.221E-12	5.747E-13		
-6.17876E-01	1.125E-10	8.407E-11	2.907E-11	8.579E-12	2.328E-12	6.026E-13		
-4.58017E-01	1.193E-10	8.914E-11	3.083E-11	9.102E-12	2.471E-12	6.394E-13		
-2.81605E-01	1.282E-10	9.584E-11	3.315E-11	9.783E-12	2.655E-12	6.871E-13		
-9.50125E-02	1.399E-10	1.045E-10	3.612E-11	1.065E-11	2.890E-12	7.477E-13		
9.50125E-02	1.552E-10	1.158E-10	3.992E-11	1.176E-11	3.187E-12	8.242E-13		
2.81605E-01	1.750E-10	1.304E-10	4.478E-11	1.316E-11	3.563E-12	9.205E-13		
4.58017E-01	2.015E-10	1.496E-10	5.107E-11	1.495E-11	4.040E-12	1.042E-12		
6.17876E-01	2.375E-10	1.755E-10	5.331E-11	1.727E-11	4.651E-12	1.198E-12		
7.55044E-01	2.886E-10	2.115E-10	7.037E-11	2.032E-11	5.445E-12	1.399E-12		
8.65631E-01	3.656E-10	2.645E-10	8.584E-11	2.445E-11	6.504E-12	1.663E-12		
9.44575E-01	4.599E-10	3.531E-10	1.096E-10	3.048E-11	7.999E-12	2.030E-12		
9.89401E-01	1.500E-09	7.200E-10	1.800E-10	4.499E-11	1.112E-11	2.722E-12		
TOTAL	2.409E-09	1.756E-09	5.824E-10	1.684E-10	4.522E-11	1.163E-11		

4 PI R**2 SNYDER-NEUFELD DOSE (NEUTRONS)
(CM**2 RAD/STERDIAN/SOURCE NEUTRON)

FISSION SOURCE

COSINE	75.0	10.	RANGE (METERS)			300.0	400.0
			150.0	200.0	250.0		
-1.0000E 00	1.667E-10	2.05E-10	2.661E-10	3.022E-10	3.173E-10	3.164E-10	2.841E-10
-9.89401E-01	1.670E-10	2.063E-10	2.666E-10	3.028E-10	3.180E-10	3.173E-10	2.848E-10
-9.44575E-01	1.68E-10	2.078E-10	2.688E-10	3.054E-10	3.203E-10	3.203E-10	2.875E-10
-8.65631E-01	1.705E-10	2.109E-10	2.732E-10	3.106E-10	3.266E-10	3.26E-10	2.929E-10
-7.55044E-01	1.744E-10	2.160E-10	2.801E-10	3.180E-10	3.353E-10	3.349E-10	3.009E-10
-6.17876E-01	1.804E-10	2.236E-10	2.903E-10	3.405E-10	3.478E-10	3.475E-10	3.123E-10
-4.58017E-01	1.892E-10	2.345E-10	3.045E-10	3.468E-10	3.649E-10	3.666E-10	3.275E-10
-2.81605E-01	2.017E-10	2.497E-10	3.241E-10	3.688E-10	3.878E-10	3.872E-10	3.474E-10
-9.50125E-02	2.191E-10	2.707E-10	3.505E-10	3.979E-10	4.178E-10	4.167E-10	3.731E-10
9.50125E-02	2.867E-10	3.268E-10	3.785E-10	4.380E-10	4.575E-10	4.572E-10	4.049E-10
2.81605E-01	2.939E-10	3.356E-10	4.363E-10	4.855E-10	5.070E-10	5.046E-10	4.492E-10
4.58017E-01	3.132E-10	3.772E-10	4.924E-10	5.634E-10	5.835E-10	5.727E-10	5.041E-10
6.17876E-01	3.919E-10	5.337E-10	6.343E-10	6.594E-10	6.770E-10	6.656E-10	5.802E-10
7.55044E-01	5.539E-10	5.712E-10	6.996E-10	8.196E-10	8.300E-10	8.012E-10	6.861E-10
8.65631E-01	7.977E-10	9.156E-10	1.082E-09	1.078E-09	1.066E-09	1.016E-09	8.478E-10
9.44575E-01	1.662E-09	1.630E-09	1.609E-09	1.633E-09	1.552E-09	1.429E-09	1.136E-09
9.89401E-01	1.395E-08	1.210E-08	9.292E-09	7.195E-09	5.606E-09	4.498E-09	2.762E-09
TOTAL	6.516E-09	6.852E-09	7.399E-09	7.632E-09	7.528E-09	7.194E-09	6.094E-09

COSINE	500.0	RANGE (METERS)			1500.0	1600.0
		900.0	1200.0	1500.0		
-1.0000E 00	2.327E-10	1.793E-10	6.592E-11	2.010E-11	5.544E-12	1.443E-12
-9.89401E-01	2.333E-10	1.798E-10	6.608E-11	2.015E-11	5.557E-12	1.444E-12
-9.44575E-01	2.356E-10	1.816E-10	6.675E-11	2.035E-11	5.614E-12	1.462E-12
-8.65631E-01	2.400E-10	1.850E-10	6.802E-11	2.074E-11	5.721E-12	1.490E-12
-7.55044E-01	2.466E-10	1.901E-10	6.991E-11	2.131E-11	5.879E-12	1.531E-12
-6.17876E-01	2.559E-10	1.973E-10	7.251E-11	2.210E-11	6.096E-12	1.587E-12
-4.58017E-01	2.683E-10	2.067E-10	7.592E-11	2.313E-11	6.376E-12	1.660E-12
-2.81605E-01	2.843E-10	2.189E-10	8.022E-11	2.443E-11	6.732E-12	1.752E-12
-9.50125E-02	3.049E-10	2.344E-10	8.573E-11	2.605E-11	7.174E-12	1.866E-12
9.50125E-02	3.312E-10	2.540E-10	9.253E-11	2.806E-11	7.717E-12	2.006E-12
2.81605E-01	3.641E-10	2.788E-10	1.010E-10	3.053E-11	8.382E-12	2.177E-12
4.58017E-01	4.074E-10	3.104E-10	1.115E-10	3.358E-11	9.198E-12	2.366E-12
6.17876E-01	4.644E-10	3.518E-10	1.250E-10	3.739E-11	1.021E-11	2.633E-12
7.55044E-01	5.430E-10	4.075E-10	1.423E-10	4.222E-11	1.147E-11	2.962E-12
8.65631E-01	6.581E-10	4.870E-10	1.658E-10	4.852E-11	1.309E-11	3.366E-12
9.44575E-01	8.527E-10	6.156E-10	2.003E-10	5.733E-11	1.528E-11	3.903E-12
9.89401E-01	1.755E-09	1.124E-09	2.980E-10	7.753E-11	1.964E-11	4.872E-12
TOTAL	4.817E-09	3.622E-09	1.278E-09	3.819E-10	1.042E-10	2.699E-11

$^4\text{P} \text{R}^{**2}$ TISSUE KERMA (NEUTRONS)
(CM**2 ERGS/GRAM/SERADIANSOURCE NEUTRON)

FISSION SOURCE

COSINE	75.0	100.0	150.0	RANGE (METERS)	200.0	250.0	300.0	400.0
-1.0000E+00	1.056E-08	1.274E-08	1.579E-08	1.731E-08	1.764E-08	1.715E-08	1.476E-08	
-9.8901E-01	1.558E-08	1.276E-08	1.582E-08	1.735E-08	1.768E-08	1.720E-08	1.480E-08	
-9.44575E-01	1.065E-08	1.285E-08	1.596E-08	1.751E-08	1.786E-08	1.737E-08	1.496E-08	
-8.6531E-01	1.081E-08	1.306E-08	1.623E-08	1.784E-08	1.821E-08	1.772E-08	1.527E-08	
-7.55644E-01	1.106E-08	1.338E-08	1.668E-08	1.835E-08	1.875E-08	1.826E-08	1.576E-08	
-6.17876E-01	1.146E-08	1.738E-08	1.793E-08	1.909E-08	1.953E-08	1.904E-08	1.644E-08	
-4.58017E-01	1.205E-08	1.460E-08	1.825E-08	2.013E-08	2.061E-08	2.010E-08	1.737E-08	
-2.81605E-01	1.288E-08	1.561E-08	1.953E-08	2.155E-08	2.206E-08	2.153E-08	1.860E-08	
-9.50125E-02	1.405E-08	1.701E-08	2.127E-08	2.345E-08	2.399E-08	2.341E-08	2.024E-08	
9.50125E-02	1.871E-08	2.071E-08	2.319E-08	2.605E-08	2.655E-08	2.604E-08	2.223E-08	
2.81605E-01	1.913E-08	2.140E-08	2.697E-08	2.926E-08	2.987E-08	2.912E-08	2.509E-08	
4.58017E-01	2.047E-08	2.437E-08	3.086E-08	3.444E-08	3.491E-08	3.364E-08	2.869E-08	
6.17876E-01	2.593E-08	3.474E-08	4.028E-08	4.101E-08	4.128E-08	3.988E-08	3.377E-08	
7.55644E-01	3.707E-08	3.778E-08	4.532E-08	5.198E-08	5.172E-08	4.915E-08	4.066E-08	
8.6531E-01	5.427E-08	6.152E-08	7.133E-08	7.000E-08	6.815E-08	6.403E-08	5.213E-08	
9.44575E-01	9.161E-07	1.124E-07	1.092E-07	1.023E-07	9.304E-08	7.239E-08		
9.8901E-01	9.963E-07	8.641E-07	6.621E-07	5.108E-07	3.958E-07	3.091E-07	1.907E-07	
TOTAL	4.434E-07	4.577E-07	4.781E-07	4.789E-07	4.603E-07	4.300E-07	3.507E-07	
COSINE	500.0	600.0	900.0	RANGE (METERS)	1200.0	1500.0	1800.0	
-1.0000E+00	1.170E-08	8.791E-C9	3.075E-09	9.133E-10	2.486E-10	6.437E-11		
-9.8901E-01	1.084E-08	8.054E-09	3.084E-09	9.133E-10	2.486E-10	6.437E-11		
-9.44575E-01	1.187E-08	8.918E-09	3.121E-09	9.227E-10	2.524E-10	6.537E-11		
-8.6531E-01	1.212E-08	9.156E-09	3.192E-09	9.486E-10	2.583E-10	6.689E-11		
-7.55644E-01	1.251E-08	9.832E-09	3.448E-09	9.806E-10	2.670E-10	6.916E-11		
-6.17876E-01	1.307E-08	1.059E-08	3.645E-09	1.025E-09	2.792E-10	7.231E-11		
-4.58017E-01	1.381E-08	1.136E-08	3.901E-09	1.084E-09	2.951E-10	7.645E-11		
-2.81605E-01	1.479E-08	1.113E-08	4.228E-09	1.159E-09	3.157E-10	8.177E-11		
-9.50125E-02	1.606E-08	1.208E-08	4.642E-09	1.256E-09	3.417E-10	8.847E-11		
2.81605E-01	1.771E-08	1.339E-08	4.642E-09	1.377E-09	3.422E-10	9.686E-11		
4.58017E-01	1.982E-08	1.486E-08	5.168E-09	1.529E-09	4.150E-10	1.073E-10		
6.17876E-01	2.63E-08	1.690E-08	5.839E-09	1.721E-09	4.662E-10	1.204E-10		
7.55644E-01	3.171E-08	1.933E-08	6.711E-09	1.967E-09	5.312E-10	1.369E-10		
8.6531E-01	3.963E-08	2.337E-08	7.867E-09	2.286E-09	6.145E-10	1.580E-10		
9.44575E-01	5.333E-08	2.883E-08	9.466E-09	2.715E-09	7.244E-10	1.855E-10		
9.8901E-01	1.191E-07	7.500E-08	1.903E-08	4.806E-09	1.196E-09	2.935E-10		
TOTAL	2.691E-07	1.977E-07	6.655E-08	1.940E-08	5.228E-09	1.346E-09		

⁴PI R**2 MID-PHANTOM DOSE (NEUTRONS)
(CM**2 RAD/STERDIAN/SOURCE NEUTRON)

FISSION SOURCE

COSINE	75.0	100.0	150.0	RANGE (METERS)	200.0	250.0	300.0	400.0
-1.00000E 00	2.524E-11	3.087E-11	3.960E-11	4.497E-11	4.739E-11	4.751E-11	4.306E-11	4.306E-11
-9.89401E-01	3.967E-11	3.092E-11	3.967E-11	4.506E-11	4.748E-11	4.760E-11	4.315E-11	4.315E-11
-9.44575E-01	2.542E-11	3.111E-11	3.957E-11	4.540E-11	4.786E-11	4.800E-11	4.322E-11	4.322E-11
-8.65311E-01	2.533E-11	3.151E-11	4.052E-11	4.609E-11	4.862E-11	4.878E-11	4.456E-11	4.456E-11
-7.55044E-01	2.625E-11	3.218E-11	4.143E-11	4.717E-11	4.980E-11	4.998E-11	4.536E-11	4.536E-11
-6.17876E-01	2.707E-11	3.221E-11	4.281E-11	4.877E-11	5.150E-11	5.170E-11	4.694E-11	4.694E-11
-4.58017E-01	2.833F-11	3.475E-11	4.480E-11	5.104E-11	5.389E-11	5.409E-11	4.908E-11	4.908E-11
-2.81050E-01	3.016E-11	3.658E-11	4.761E-11	5.419E-11	5.716E-11	5.733E-11	5.193E-11	5.193E-11
-9.50125E-02	3.279E-11	4.011E-11	5.149E-11	5.845E-11	6.153E-11	6.162E-11	5.566E-11	5.566E-11
9.50125E-02	4.456E-11	4.739E-11	5.560E-11	6.445E-11	6.745E-11	6.761E-11	6.034E-11	6.034E-11
2.81050E-01	4.488E-11	5.064E-11	6.479E-11	7.160E-11	7.456E-11	7.476E-11	6.701E-11	6.701E-11
4.58017E-01	4.809E-11	5.869E-11	7.401E-11	8.400E-11	8.697E-11	8.545E-11	7.561E-11	7.561E-11
6.17876E-01	6.188E-11	8.006E-11	9.458E-11	1.000E-10	1.026E-10	1.009E-10	8.824E-11	8.824E-11
7.55044E-01	8.930E-11	9.396E-11	1.144E-10	1.289E-10	1.300E-10	1.253E-10	1.073E-10	1.073E-10
8.65311E-01	1.405E-10	3.158E-10	1.545E-10	1.778E-10	1.790E-10	1.762E-10	1.674E-10	1.674E-10
9.44575E-01	3.415E-10	3.158E-10	3.008E-10	2.978E-10	2.802E-10	2.565E-10	2.027E-10	2.027E-10
9.89401E-01	3.269E-09	2.864E-09	2.214E-09	1.722E-09	1.339E-09	1.048E-09	6.476E-10	6.476E-10
TOTAL	1.238E-09	1.250E-09	1.282E-09	1.282E-09	1.240E-09	1.170E-09	9.775E-10	9.775E-10
COSINE	500.0	600.0	RANGE (METERS)	900.0	1200.0	1500.0	1800.0	
-1.00000E 00	3.559E-11	2.765E-11	1.034E-11	3.184E-12	8.838E-13	2.310E-13		
-9.89401E-01	3.567E-11	2.771E-11	1.036E-11	3.191E-12	8.858E-13	2.315E-13		
-9.44575E-01	3.599E-11	2.796E-11	1.046E-11	3.221E-12	8.942E-13	2.337E-13		
-8.65311E-01	3.660E-11	2.844E-11	1.064E-11	3.277E-12	9.098E-13	2.378E-13		
-7.55044E-01	3.752E-11	2.916E-11	1.091E-11	3.361E-12	9.330E-13	2.439E-13		
-6.17876E-01	3.883E-11	3.017E-11	1.128E-11	3.476E-12	9.650E-13	2.523E-13		
-4.58017E-01	4.058E-11	3.152E-11	1.178E-11	3.626E-12	1.007E-12	2.631E-13		
-2.81050E-01	4.289E-11	3.328E-11	1.241E-11	3.819E-12	1.060E-12	2.770E-13		
-9.50125E-02	4.587E-11	3.554E-11	1.322E-11	4.060E-12	1.126E-12	2.942E-13		
9.50125E-02	4.976E-11	3.842E-11	1.423E-11	4.360E-12	1.208E-12	3.156E-13		
2.81050E-01	5.471E-11	4.216E-11	1.551E-11	4.738E-12	1.311E-12	3.423E-13		
4.58017E-01	6.147E-11	4.710E-11	1.717E-11	5.223E-12	1.442E-12	3.765E-13		
6.17876E-01	7.093E-11	5.397E-11	1.941E-11	5.867E-12	1.616E-12	4.215E-13		
7.55044E-01	8.508E-11	6.402E-11	2.258E-11	6.761E-12	1.854E-12	4.831E-13		
8.65311E-01	1.080E-10	7.995E-11	2.736E-11	8.076E-12	2.199E-12	5.716E-13		
9.44575E-01	1.516E-10	1.092E-10	3.549E-11	1.020E-11	2.742E-12	7.076E-13		
9.89401E-01	4.044E-10	2.543E-10	6.431E-11	1.625E-11	4.057E-12	1.001E-12		
TOTAL	7.683E-10	5.768E-10	2.040E-10	6.131E-11	1.613E-11	4.381E-12		

⁴ PI R**2 CONCRETE KERMA (NEUTRONS)
(CM**2 ERGS/GRAM/STERADIAN/SOURCE NEUTRON)

FISSION SOURCE

COSINE	75.0	100.0	150.0	RANGE (METERS)	200.0	250.0	300.0	400.0
-1.00000E 00	1.254E-09	1.504E-09	1.851E-09	2.017E-09	2.045E-09	1.979E-09	1.691E-09	1.691E-09
-9.69401E-01	1.257E-09	1.852E-09	2.041E-09	2.041E-09	1.984E-09	1.695E-09	1.695E-09	1.695E-09
-9.44575E-01	1.265E-09	1.519E-09	1.871E-09	2.041E-09	2.070E-09	2.005E-09	1.714E-09	1.714E-09
-8.65631E-01	1.283E-09	1.543E-09	1.904E-09	2.079E-09	2.111E-09	2.046E-09	1.751E-09	1.751E-09
-7.55044E-01	1.315E-09	1.583E-09	1.957E-09	<1.140E-09	2.175E-09	1.808E-09	2.101E-09	1.808E-09
-6.17876E-01	1.363E-09	1.642E-09	2.035E-09	2.228E-09	2.268E-09	2.202E-09	1.888E-09	1.888E-09
-4.58017E-01	1.433E-09	1.729E-09	2.147E-09	2.352E-09	2.396E-09	2.327E-09	1.998E-09	1.998E-09
-2.81605E-01	1.554E-09	1.850E-09	2.298E-09	2.521E-09	2.565E-09	2.497E-09	2.144E-09	2.144E-09
-9.50125E-02	1.675E-09	2.019E-09	2.506E-09	2.749E-09	2.721E-09	2.335E-09	2.335E-09	2.335E-09
9.50125E-02	2.229E-09	2.471E-09	2.716E-09	3.076E-09	3.124E-09	3.028E-09	2.578E-09	2.578E-09
2.81605E-01	2.299E-09	2.551E-09	3.202E-09	3.438E-09	3.494E-09	3.410E-09	2.918E-09	2.918E-09
4.58017E-01	2.455E-09	2.96CE-09	3.664E-09	4.082E-09	4.124E-09	3.650E-09	3.354E-09	3.354E-09
6.17876E-01	3.114E-09	4.177E-09	4.816E-09	4.870E-09	4.884E-09	4.714E-09	3.968E-09	3.968E-09
7.55044E-01	4.483E-09	4.557E-09	5.436E-09	6.224E-09	6.174E-09	5.843E-09	4.847E-09	4.847E-09
8.65631E-01	6.611E-09	7.470E-09	8.641E-09	8.445E-09	8.194E-09	7.682E-09	6.221E-09	6.221E-09
9.44575E-01	1.339E-08	1.384E-08	1.336E-08	1.321E-08	1.244E-08	1.288E-08	8.732E-09	8.732E-09
9.89401E-01	1.250E-07	1.084E-07	8.286E-08	6.375E-08	4.925E-08	3.835E-08	2.35CE-08	2.35CE-08
TOTAL	5.432E-08	5.574E-08	5.764E-08	5.735E-08	5.479E-08	5.091E-08	4.121E-08	
COSINE	500.0	600.0	900.0	RANGE (METERS)	1200.0	1500.0	1800.0	
-1.00000E 00	1.333E-09	9.971E-10	3.458E-10	1.022E-10	2.776E-11	7.184E-12	7.184E-12	
-9.89401E-01	1.337E-09	9.999E-10	3.468E-10	1.022E-10	2.784E-11	7.206E-12	7.206E-12	
-9.44575E-01	1.352E-09	1.612E-09	3.511E-10	1.038E-10	2.820E-11	7.299E-12	7.299E-12	
-8.65631E-01	1.382E-09	1.035E-09	3.593E-10	1.063E-10	2.888E-11	7.474E-12	7.474E-12	
-7.55044E-01	1.428E-09	1.070E-09	3.717E-10	1.101E-10	3.736E-11			
-6.17876E-01	1.493E-09	1.119E-09	3.890E-10	1.151E-10	3.129E-11	8.101E-12	8.101E-12	
-4.58017E-01	1.500E-09	1.184E-09	4.120E-10	1.220E-10	3.315E-11	8.582E-12	8.582E-12	
-2.81605E-01	1.668E-09	1.271E-09	4.421E-10	1.308E-10	3.555E-11	9.204E-12	9.204E-12	
-9.50125E-02	1.846E-09	1.383E-09	4.806E-10	1.421E-10	3.860E-11	9.990E-12	9.990E-12	
9.50125E-02	2.043E-09	1.528E-09	5.296E-10	1.564E-10	4.244E-11	1.098E-11	1.098E-11	
2.81605E-01	2.295E-09	1.715E-09	5.920E-10	1.744E-10	4.727E-11	1.222E-11	1.222E-11	
4.58017E-01	2.633E-09	1.960E-09	6.723E-10	1.974E-10	5.337E-11	1.378E-11	1.378E-11	
6.17876E-01	3.060E-09	2.289E-09	7.772E-10	2.269E-10	6.116E-11	1.577E-11	1.577E-11	
7.55044E-01	3.737E-09	2.745E-09	9.172E-10	2.654E-10	7.121E-11	1.830E-11	1.830E-11	
8.65631E-01	4.710E-09	3.414E-09	1.112E-09	3.175E-10	8.453E-11	2.162E-11	2.162E-11	
9.44575E-01	6.493E-09	4.529E-09	1.410E-09	3.928E-10	1.032E-10	2.618E-11	2.618E-11	
9.89401E-01	1.459E-08	9.135E-09	2.287E-09	5.724E-10	1.416E-10	3.466E-11	3.466E-11	
TOTAL	3.143E-08	2.298E-08	7.666E-09	2.223E-09	5.976E-10	1.537E-10		

4 PI R**2 AIR KERMA (NEUTRONS)
(CH**2 ERGS/GRAM/STERADIANT/SOURCE NEUTRON)

FISSION SOURCE

	COSINE	75.0	100.0	150.0	RANGE (METERS)	200.0	250.0	300.0	400.0
-1.00000E-00	1.136E-09	1.367E-09	1.710E-09	1.910E-09	1.992E-09	1.983E-09	1.765E-09	1.759E-09	1.759E-09
-9.89401E-01	1.138E-09	1.369E-09	1.713E-09	1.914E-09	1.996E-09	1.987E-09	1.767E-09	1.760E-09	1.760E-09
-9.44555E-01	1.146E-09	1.379E-09	1.727E-09	1.930E-09	2.013E-09	2.005E-09	1.782E-09	1.774E-09	1.774E-09
-8.65631E-01	1.162E-09	1.399E-09	1.754E-09	1.962E-09	2.048E-09	2.040E-09	1.837E-09	1.829E-09	1.829E-09
-7.55044E-01	1.188E-09	1.432E-09	1.797E-09	2.012E-09	2.101E-09	2.094E-09	1.885E-09	1.877E-09	1.877E-09
-6.17876E-01	1.229E-09	1.482E-09	1.862E-09	2.086E-09	2.179E-09	2.171E-09	2.171E-09	2.163E-09	2.163E-09
-4.58017E-01	1.290E-09	1.556E-09	1.956E-09	2.191E-09	2.287E-09	2.279E-09	2.279E-09	2.271E-09	2.271E-09
-2.81605E-01	1.662E-09	2.087E-09	2.268E-09	2.533E-09	2.436E-09	2.425E-09	2.425E-09	2.347E-09	2.347E-09
-9.50125E-01	1.504E-09	1.810E-09	2.268E-09	2.677E-09	2.677E-09	2.620E-09	2.620E-09	2.564E-09	2.564E-09
9.50155E-02	2.053E-09	2.166E-09	2.421E-09	2.842E-09	2.946E-09	2.882E-09	2.882E-09	2.864E-09	2.864E-09
2.81605E-01	2.094E-09	2.324E-09	2.923E-09	3.131E-09	3.235E-09	3.235E-09	3.235E-09	3.227E-09	3.227E-09
4.58017E-01	2.238E-09	2.679E-09	3.319E-09	3.756E-09	3.949E-09	3.727E-09	3.727E-09	3.862E-09	3.862E-09
6.17876E-01	2.891E-09	3.783E-09	4.373E-09	4.501E-09	4.563E-09	4.474E-09	4.474E-09	4.760E-09	4.760E-09
7.55044E-C1	4.224E-C9	4.388E-09	5.245E-09	5.907E-09	5.907E-09	6.222E-09	6.222E-09	6.249E-09	6.249E-09
8.65631E-01	6.666E-09	7.326E-09	8.399E-09	8.300E-09	8.081E-09	7.622E-09	7.622E-09	9.175E-09	9.175E-09
9.44555E-01	1.643E-08	1.506E-08	1.416E-08	1.393E-08	1.300E-08	1.178E-08	1.178E-08	2.865E-08	2.865E-08
9.89401E-01	1.540E-07	1.342E-07	1.027E-07	7.892E-08	6.080E-08	4.716E-08	4.716E-08	4.229E-08	4.229E-08
TOTAL	5.811E-08	5.809E-08	5.841E-08	5.752E-08	5.492E-08	5.127E-08	5.127E-08		
	COSINE	500.0	600.0	900.0	RANGE (METERS)	1200.0	1500.0	1800.0	
-1.00000E-00	1.471E-09	1.142E-09	4.271E-10	1.318E-10	3.663E-11	9.589E-12			
-9.89401E-01	1.475E-09	1.145E-09	4.281E-10	1.320E-10	3.671E-11	9.611E-12			
-9.44555E-01	1.489E-09	1.155E-09	4.321E-10	1.332E-10	3.707E-11	9.704E-12			
-8.65631E-01	1.515E-09	1.176E-09	4.399E-10	1.357E-10	3.773E-11	9.877E-12			
-7.55044E-01	1.555E-09	1.207E-09	4.515E-10	1.392E-10	3.871E-11	1.014E-11			
-6.17876E-01	1.613E-09	1.251E-09	4.676E-10	1.442E-10	4.008E-11	1.049E-11			
-4.58017E-01	1.310E-09	4.890E-10	5.066E-10	4.186E-11	4.186E-11	1.096E-11			
-2.81605E-01	1.792E-09	1.388E-09	5.167E-10	1.590E-10	4.415E-11	1.156E-11			
-9.50125E-02	1.926E-09	1.489E-09	5.520E-10	1.695E-10	4.703E-11	1.230E-11			
9.50155E-02	2.101E-09	1.619E-09	5.970E-10	1.828E-10	5.065E-11	1.324E-11			
2.81605E-01	3.229E-09	1.789E-09	6.546E-10	1.996E-10	5.521E-11	1.442E-11			
4.58017E-01	2.642E-09	2.016E-09	7.299E-10	2.214E-10	6.105E-11	1.593E-11			
6.17876E-01	3.083E-09	2.334E-09	8.317E-10	2.502E-10	6.814E-11	1.791E-11			
7.55044E-01	3.741E-09	2.798E-09	9.744E-10	2.898E-10	7.913E-11	2.056E-11			
8.65631E-01	4.798E-09	3.524E-09	1.186E-09	3.466E-10	9.318E-11	2.426E-11			
9.44555E-01	6.775E-09	4.830E-09	1.536E-09	4.355E-10	1.159E-10	2.969E-11			
9.89401E-01	1.764E-08	1.096E-08	2.700E-09	6.716E-10	1.659E-10	4.061E-11			
TOTAL	3.295E-08	2.460E-08	8.621E-09	2.581E-09	7.072E-10	1.839E-10			

4 PI R**2 IONIZING SILICON KERMA (NEUTRONS)
(CM**2 ERGS/GRAM/STERADIAN/SOURCE NEUTRON)

FISSION SOURCE

		7.0	100.0	150.0	RANGE (METERS)	250.0	300.0	400.0
CCSINE								
-1.0000E 00	9.562E-11	1.1.133E-10	1.367E-10	1.467E-10	1.468E-10	1.406E-10	1.181E-10	
-9.89401E-01	9.589E-11	1.1.136E-10	1.371E-10	1.471E-10	1.473E-10	1.411E-10	1.185E-10	
-9.44575E-01	9.681E-11	1.1.147E-10	1.385E-10	1.487E-10	1.490E-10	1.428E-10	1.200E-10	
-8.65631E-01	9.847E-11	1.1.169E-10	1.413E-10	1.519E-10	1.523E-10	1.461E-10	1.229E-10	
-7.55044E-01	1.020E-10	1.1.202E-10	1.456E-10	1.567E-10	1.573E-10	1.510E-10	1.272E-10	
-6.7876E-01	1.051E-10	1.1.250E-10	1.517E-10	1.636E-10	1.645E-10	1.580E-10	1.333E-10	
-4.58017E-01	1.109E-10	1.320E-10	1.606E-10	1.734E-10	1.745E-10	1.679E-10	1.418E-10	
-2.81605E-01	1.195E-10	1.423E-10	1.732E-10	1.873E-10	1.886E-10	1.815E-10	1.535E-10	
-9.50125E-02	1.317E-10	1.567E-10	1.907E-10	2.062E-10	2.076E-10	1.998E-10	1.690E-10	
9.50125E-02	1.771E-10	1.951E-10	2.113E-10	2.323E-10	2.334E-10	2.247E-10	1.889E-10	
2.81605E-01	1.833E-10	2.028E-10	2.479E-10	2.658E-10	2.658E-10	2.561E-10	2.161E-10	
4.58017E-01	2.CCGCE-10	2.336E-10	2.875E-10	3.153E-10	3.155E-10	3.008E-10	2.523E-10	
6.17876E-01	2.586E-10	3.342E-10	3.830E-10	3.861E-10	3.838E-10	3.668E-10	3.055E-10	
7.55044E-01	3.944E-10	3.911E-10	4.565E-10	5.05E-10	5.017E-10	4.730E-10	3.890E-10	
8.65631E-01	6.705E-10	7.499E-10	7.363E-10	7.107E-10	7.107E-10	6.629E-10	5.340E-10	
9.44575E-01	1.520E-09	1.403E-09	1.319E-09	1.283E-09	1.191E-09	1.077E-09	8.329E-10	
9.89401E-01	1.583E-08	1.386E-08	1.074E-08	8.367E-09	6.517E-09	5.101E-09	3.141E-09	
TOTAL	5.547E-09	5.483E-09	5.371E-09	5.142E-09	4.776E-09	4.343E-09	3.407E-09	
COSINE								
	500.0	600.0	900.0	1200.0	RANGE (METERS)	1500.0	1600.0	
-1.0000E 00	9.194E-11	6.8C7E-11	2.314E-11	6.774E-12	1.833E-12	4.746E-13		
-9.89401E-01	9.224E-11	6.829E-11	2.322E-11	6.798E-12	1.840E-12	4.762E-13		
-9.44575E-01	9.346E-11	6.921E-11	2.355E-11	6.896E-12	1.867E-12	4.833E-13		
-8.65631E-01	7.58E-11	2.417E-11	7.097E-11	7.018E-12	1.866E-12	4.966E-13		
-7.55044E-01	9.923E-11	7.358E-11	2.509E-11	7.357E-12	1.993E-12	5.165E-13		
-6.17876E-01	1.041E-10	7.727E-11	2.639E-11	7.746E-12	2.100E-12	5.445E-13		
-4.58017E-01	1.209E-10	8.234E-11	2.816E-11	8.222E-12	2.244E-12	5.922E-13		
-2.81605E-01	1.200E-10	8.917E-11	3.051E-11	8.969E-12	2.435E-12	6.320E-13		
-9.50125E-02	1.321E-10	9.814E-11	3.357E-11	9.869E-12	2.680E-12	6.960E-13		
9.50125E-02	1.479E-10	1.098E-10	3.750E-11	1.102E-11	2.993E-12	7.777E-13		
2.81605E-01	1.684E-10	1.249E-10	4.256E-11	1.250E-11	3.396E-12	8.831E-13		
4.58017E-01	1.962E-10	1.452E-10	4.931E-11	1.446E-11	3.932E-12	1.024E-12		
6.17876E-01	2.362E-10	1.741E-10	5.879E-11	1.722E-11	4.685E-12	1.224E-12		
7.55044E-01	2.983E-10	2.184E-10	7.296E-11	2.130E-11	5.800E-12	1.520E-12		
8.65631E-01	4.033E-10	2.921E-10	9.572E-11	2.774E-11	7.548E-12	1.882E-12		
9.44575E-01	6.115E-10	4.336E-10	1.368E-10	3.892E-11	1.050E-11	2.749E-12		
9.89401E-01	1.949E-09	1.216E-09	2.994E-10	7.420E-11	1.837E-11	4.543E-12		
TOTAL	2.544E-09	1.833E-09	5.970E-10	1.721E-10	4.643E-11	1.206E-11		

4 PI R**2 NON IONIZING SILICON KERMA (NEUTRONS)
(CM**2 ERGS/GRAM/STERDIAN/SOURCE NEUTRON)

FISSION SOURCE

COSINE	75.0	100.0	150.0	RANGE (METERS)	200.0	250.0	300.0	400.0
-1.06000E 00	1.407E-10	1.676E-10	2.034E-10	2.191E-10	2.199E-10	2.109E-10	1.774E-10	1.774E-10
-9.89401E-01	1.409E-10	1.679E-10	2.038E-10	2.196E-10	2.204E-10	2.115E-10	1.779E-10	1.779E-10
-9.44575E-01	1.419E-10	1.692E-10	2.056E-10	2.218E-10	2.227E-10	2.138E-10	1.800E-10	1.800E-10
-8.65631E-01	1.440E-10	1.719E-10	2.093E-10	2.261E-10	2.273E-10	2.184E-10	1.842E-10	1.842E-10
-7.55044E-01	1.475E-10	1.763E-10	2.153E-10	2.329E-10	2.345E-10	2.256E-10	1.905E-10	1.905E-10
-6.11876E-01	1.530E-10	1.831E-10	2.241E-10	2.429E-10	2.449E-10	2.358E-10	1.995E-10	1.995E-10
-4.58017E-01	1.610E-10	1.929E-10	2.367E-10	2.570E-10	2.594E-10	2.500E-10	2.118E-10	2.118E-10
-2.81605E-01	1.725E-10	2.068E-10	2.541E-10	2.762E-10	2.791E-10	2.692E-10	2.282E-10	2.282E-10
-9.50125E-02	1.886E-10	2.260E-10	2.986E-10	3.021E-10	3.054E-10	2.947E-10	2.499E-10	2.499E-10
9.50125E-02	2.517E-10	2.760E-10	3.420E-10	3.454E-10	3.282E-10	2.780E-10	2.780E-10	2.780E-10
2.81605E-01	2.583E-10	2.868E-10	3.584E-10	3.792E-10	3.825E-10	3.740E-10	3.159E-10	3.159E-10
4.58017E-01	2.781E-10	3.277E-10	4.077E-10	4.553E-10	4.575E-10	4.339E-10	3.658E-10	3.658E-10
6.11876E-01	3.523E-10	4.706E-10	5.396E-10	5.423E-10	5.411E-10	5.214E-10	4.350E-10	4.350E-10
7.55044E-01	5.089E-10	5.133E-10	6.096E-10	6.958E-10	6.878E-10	6.475E-10	5.341E-10	5.341E-10
8.65631E-01	7.424E-10	8.392E-10	9.658E-10	9.411E-10	9.107E-10	8.870E-10	6.870E-10	6.870E-10
9.44475E-01	1.563E-09	1.528E-09	1.482E-09	1.476E-09	1.378E-09	1.247E-09	9.636E-10	9.636E-10
9.89401E-01	1.345E-08	1.164E-08	8.914E-09	6.873E-09	5.322E-09	4.153E-09	2.556E-09	2.556E-09
TOTAL	5.989E-09	6.154E-09	6.359E-09	6.313E-09	6.009E-09	5.558E-09	4.465E-09	4.465E-09
COSINE	500.0	600.0	900.0	RANGE (METERS)	1200.0	1500.0	1800.0	1800.0
-1.00014E 00	1.382E-10	1.023E-10	3.470E-11	1.013E-11	2.733E-13	7.051E-12	7.051E-12	7.051E-12
-9.80010E-01	1.386E-10	1.026E-10	3.481E-11	1.016E-11	2.742E-12	7.075E-13	7.075E-13	7.075E-13
-9.44575E-01	1.403E-10	1.039E-10	3.528E-11	1.030E-11	2.781E-12	7.175E-13	7.175E-13	7.175E-13
-8.65631E-01	1.436E-10	1.064E-10	3.618E-11	1.057E-11	2.854E-12	7.365E-13	7.365E-13	7.365E-13
-7.55044E-01	1.487E-10	1.103E-10	3.754E-11	1.098E-11	2.964E-12	7.651E-13	7.651E-13	7.651E-13
-6.11876E-01	1.559E-10	1.157E-10	3.944E-11	1.154E-11	3.118E-12	8.049E-13	8.049E-13	8.049E-13
-4.58017E-01	1.657E-10	1.231E-10	4.199E-11	1.229E-11	3.321E-12	8.576E-13	8.576E-13	8.576E-13
-2.81605E-01	1.787E-10	1.328E-10	4.533E-11	1.327E-11	3.587E-12	9.261E-13	9.261E-13	9.261E-13
-9.50125E-02	1.957E-10	1.454E-10	4.964E-11	1.453E-11	3.925E-12	1.013E-12	1.013E-12	1.013E-12
9.50125E-02	2.178E-10	1.617E-10	5.514E-11	1.613E-11	4.354E-12	1.124E-12	1.124E-12	1.124E-12
2.81605E-01	2.466E-10	1.829E-10	6.219E-11	1.816E-11	4.897E-12	1.263E-12	1.263E-12	1.263E-12
4.58017E-01	2.849E-10	2.107E-10	7.128E-11	2.075E-11	5.586E-12	1.438E-12	1.438E-12	1.438E-12
6.11876E-01	3.366E-10	2.480E-10	8.316E-11	2.409E-11	6.466E-12	1.662E-12	1.662E-12	1.662E-12
7.55044E-01	4.095E-10	2.994E-10	9.900E-11	2.846E-11	7.604E-12	1.949E-12	1.949E-12	1.949E-12
8.65631E-01	5.182E-10	3.743E-10	1.209E-10	3.433E-11	9.110E-12	2.326E-12	2.326E-12	2.326E-12
9.44475E-01	7.051E-10	4.978E-10	1.541E-10	4.281E-11	1.122E-11	2.843E-12	2.843E-12	2.843E-12
9.89401E-01	1.593E-09	9.997E-10	2.514E-10	6.300E-11	1.559E-11	3.817E-12	3.817E-12	3.817E-12
TOTAL	3.381E-09	2.456E-09	8.075E-10	2.322E-10	6.210E-11	1.593E-11	1.593E-11	1.593E-11

4 PI R**2 HENDERSON DOSE (GAMMAS)
(CH**2 RAD/STERAD/AN/SOURCE NEUTRON)

FISSION SOURCE

COSINE	75.0	100.0	150.0	RANGE (METERS)	200.0	250.0	300.0	400.0
-1.0000E+00	4.368E-13	6.107E-13	9.765E-13	1.317E-12	1.591E-12	1.783E-12	1.918E-12	1.931E-12
-9.89401E-01	4.386E-13	6.134E-13	9.811E-13	1.323E-12	1.600E-12	1.793E-12	1.931E-12	1.931E-12
-9.44575E-01	4.453E-13	6.234E-13	9.986E-13	1.349E-12	1.644E-12	1.834E-12	1.980E-12	1.980E-12
-8.6531E-01	4.583E-13	6.417E-13	1.030E-12	1.396E-12	1.695E-12	1.908E-12	2.069E-12	2.069E-12
-7.55044E-01	4.760E-13	6.667E-13	1.074E-12	1.460E-12	1.779E-12	2.009E-12	2.191E-12	2.191E-12
-6.17676E-01	4.984E-13	6.984E-13	1.128E-12	1.540E-12	1.886E-12	2.139E-12	2.350E-12	2.350E-12
-4.58017E-01	5.277E-13	7.383E-13	1.196E-12	1.642E-12	2.022E-12	2.559E-12	2.559E-12	2.559E-12
-2.81605E-01	5.654E-13	7.896E-13	1.282E-12	1.772E-12	2.199E-12	2.526E-12	2.838E-12	2.838E-12
-9.50125E-02	6.152E-13	8.567E-13	1.394E-12	1.940E-12	2.428E-12	2.814E-12	3.214E-12	3.214E-12
9.50125E-02	7.228E-13	1.012E-12	2.01E-12	2.122E-12	2.659E-12	3.193E-12	3.713E-12	3.713E-12
2.81605E-01	8.315E-13	1.032E-12	1.660E-12	2.453E-12	3.123E-12	3.657E-12	4.370E-12	4.370E-12
4.58017E-01	9.005E-13	1.261E-12	2.013E-12	2.740E-12	3.511E-12	4.269E-12	5.224E-12	5.224E-12
6.17676E-01	1.063E-12	1.452E-12	2.244E-12	3.245E-12	4.88E-12	6.034E-12	6.345E-12	6.345E-12
7.55044E-01	1.393E-12	1.836E-12	2.839E-12	3.857E-12	4.977E-12	6.083E-12	7.841E-12	7.841E-12
8.6531E-01	1.988E-12	2.483E-12	3.696E-12	4.994E-12	6.339E-12	7.618E-12	9.927E-12	9.927E-12
9.44575E-01	3.085E-12	4.100E-12	5.716E-12	7.330E-12	8.922E-12	1.050E-11	1.331E-11	1.331E-11
9.89401E-01	7.552E-12	9.514E-12	1.303E-11	1.583E-11	1.833E-11	2.005E-11	2.301E-11	2.301E-11
TOTAL	1.185E-11	1.586E-11	2.443E-11	3.314E-11	4.138E-11	4.856E-11	5.822E-11	5.822E-11
COSINE	500.0	600.0	900.0	RANGE (METERS)	1200.0	1500.0	1800.0	
-1.0000E+00	1.801E-12	1.543E-12	7.306E-13	2.741E-13	9.321E-14	3.053E-14		
-9.89401E-01	1.814E-12	1.562E-12	7.406E-13	2.815E-13	9.824E-14	3.360E-14		
-9.44575E-01	1.866E-12	1.612E-12	7.778E-13	2.860E-13	1.126E-13	4.262E-14		
-8.6531E-01	1.959E-12	1.700E-12	8.367E-13	3.409E-13	1.340E-13	5.311E-14		
-8.050125E-02	2.084E-12	1.816E-12	9.032E-13	3.724E-13	1.474E-13	6.023E-14		
-7.55044E-01	2.248E-12	1.966E-12	9.789E-13	3.934E-13	1.534E-13	5.945E-14		
-6.17676E-01	2.464E-12	2.165E-12	1.079E-12	4.308E-13	1.597E-13	5.864E-14		
-4.58017E-01	2.760E-12	2.443E-12	1.230E-12	4.900E-13	1.791E-13	6.596E-14		
-2.81605E-01	3.169E-12	2.836E-12	1.464E-12	5.940E-13	2.223E-13	8.361E-14		
-9.50125E-02	3.727E-12	3.388E-12	1.811E-12	7.564E-13	2.919E-13	1.134E-13		
9.50125E-02	4.483E-12	4.154E-12	2.322E-12	9.968E-13	3.997E-13	1.516E-13		
2.81605E-01	5.503E-12	5.224E-12	3.092E-12	1.372E-12	5.996E-13	2.051E-13		
4.58017E-01	6.17876E-01	6.893E-12	4.320E-12	2.029E-12	8.246E-13	3.146E-13		
6.17676E-01	7.55044E-01	8.799E-12	6.347E-12	3.276E-12	1.445E-12	5.909E-13		
8.6531E-01	1.144E-11	1.202E-11	9.661E-12	5.648E-12	2.806E-12	1.281E-12		
9.44575E-01	1.538E-11	1.647E-11	1.478E-11	9.848E-12	5.722E-12	2.869E-12		
9.89401E-01	2.489E-11	2.572E-11	2.308E-11	1.662E-11	1.042E-11	5.970E-12		
TOTAL	6.142E-11	5.937E-11	3.949E-11	2.080E-11	9.950E-12	4.587E-12		

⁴ PI R**2 CONCRETE KERMA (GAMMAS)
(CM**2 ERGS/GRAM/Steradian/Source Neutron)

FISSION SOURCE

COSINE	75.0	100.0	150.0	RANGE (METERS)	200.0	250.0	300.0	400.0
-1.00000E 00	4.429E-11	6.240E-11	1.008E-10	1.369E-10	1.665E-10	1.876E-10	2.043E-10	2.055E-10
-9.89401E-01	6.266E-11	1.012E-10	1.375E-10	1.673E-10	1.886E-10	2.055E-10	2.105E-10	2.194E-10
-9.44575E-01	4.514E-11	1.030E-10	1.401E-10	1.707E-10	1.927E-10	2.000E-10	2.194E-10	2.317E-10
-8.65631E-01	4.639E-11	1.061E-10	1.448E-10	1.768E-10	1.967E-10	2.025E-10	2.102E-10	2.317E-10
-7.55044E-01	6.791E-11	1.040E-10	1.511E-10	1.852E-10	2.012E-10	2.232E-10	2.477E-10	2.477E-10
-6.17876E-01	7.103E-11	1.058E-10	1.592E-10	1.959E-10	2.095E-10	2.400E-10	2.687E-10	2.687E-10
-4.58017E-01	5.320E-11	1.225E-10	1.693E-10	2.072E-10	2.400E-10	2.620E-10	2.967E-10	2.967E-10
-2.81605E-01	5.690E-11	1.311E-10	1.823E-10	2.008E-10	2.500E-10	2.608E-10	3.344E-10	3.344E-10
-9.50125E-02	6.178E-11	1.422E-10	1.990E-10	2.170E-10	2.759E-10	3.286E-10	3.843E-10	3.843E-10
9.50125E-02	7.212E-11	1.019E-10	1.630E-10	2.170E-10	2.759E-10	3.286E-10	3.843E-10	3.843E-10
2.81605E-01	8.264E-11	1.036E-10	1.681E-10	2.193E-10	2.814E-10	3.498E-10	4.498E-10	4.498E-10
4.58017E-01	8.966E-11	1.263E-10	2.034E-10	2.780E-10	3.595E-10	4.356E-10	5.348E-10	5.348E-10
6.17876E-01	1.054E-10	1.445E-10	2.258E-10	3.280E-10	4.246E-10	5.144E-10	6.462E-10	6.462E-10
7.55044E-01	1.374E-10	1.825E-10	2.840E-10	3.877E-10	5.019E-10	6.448E-10	7.942E-10	7.942E-10
8.65631E-01	1.956E-10	2.449E-10	3.670E-10	4.989E-10	6.335E-10	7.655E-10	9.999E-10	9.999E-10
9.44575E-01	3.021E-10	4.026E-10	5.642E-10	7.262E-10	8.872E-10	1.044E-09	1.332E-09	1.332E-09
9.89401E-01	7.368E-10	9.294E-10	1.277E-09	1.555E-09	1.786E-09	1.979E-09	2.280E-09	2.280E-09
TOTAL	1.177E-09	1.585E-09	2.462E-09	3.359E-09	4.211E-09	4.955E-09	5.966E-09	5.966E-09

COSINE	500.0	600.0	RANGE (METERS)	900.0	1200.0	1500.0	1800.0
-1.00000E 00	1.945E-10	1.699E-10	8.513E-11	3.472E-11	1.318E-11	4.949E-12	5.552E-12
-9.89401E-01	1.958E-10	1.712E-10	8.633E-11	3.545E-11	1.367E-11	5.552E-12	5.552E-12
-9.44575E-01	2.010E-10	1.762E-10	8.986E-11	3.791E-11	1.411E-11	6.148E-12	6.148E-12
-8.65631E-01	2.103E-10	1.851E-10	9.581E-11	4.142E-11	1.725E-11	7.201E-12	7.201E-12
-7.55044E-01	2.230E-10	1.969E-10	1.026E-10	4.467E-11	1.865E-11	7.936E-12	7.936E-12
-6.17876E-01	2.395E-10	2.120E-10	1.104E-10	4.743E-11	1.934E-11	7.911E-12	7.911E-12
-4.58017E-01	2.613E-10	2.321E-10	1.207E-10	5.087E-11	2.009E-11	7.889E-12	7.889E-12
-2.81605E-01	2.911E-10	2.602E-10	1.361E-10	5.697E-11	2.213E-11	8.666E-12	8.666E-12
-9.50125E-02	3.221E-10	2.997E-10	1.556E-10	6.750E-11	2.651E-11	1.046E-11	1.046E-11
9.50125E-02	3.880E-10	3.549E-10	1.945E-10	8.383E-11	3.350E-11	1.346E-11	1.346E-11
2.81605E-01	4.634E-10	4.315E-10	2.455E-10	1.079E-10	4.331E-11	1.299E-11	1.299E-11
4.58017E-01	5.651E-10	5.382E-10	3.222E-10	1.452E-10	5.822E-11	2.264E-11	2.264E-11
6.17876E-01	7.032E-10	6.895E-10	4.042E-10	2.104E-10	8.638E-11	3.399E-11	3.399E-11
7.55044E-01	8.923E-10	9.055E-10	6.432E-10	3.337E-10	1.476E-10	6.053E-11	6.053E-11
8.65631E-01	1.154E-09	1.212E-09	9.377E-10	5.685E-10	2.820E-10	1.286E-10	1.286E-10
9.44575E-01	1.541E-09	1.653E-09	1.481E-09	9.852E-10	5.565E-10	2.861E-10	2.861E-10
9.89401E-01	2.473E-09	2.561E-09	2.302E-09	1.659E-09	1.040E-09	5.938E-10	5.938E-10
TOTAL	6.313E-09	6.119E-09	4.098E-09	2.170E-09	1.042E-09	4.811E-10	4.811E-10

$^4\text{P}_1$ R**2 AIR KERMA (GAMMAS)
(CH^{**2} ERGS/GRAM/STERDIAN/SOURCE NEUTRON)

FISSION SOURCE

COSINE	75.0	100.0	150.0	RANGE (METERS)	300.0		400.0	
					200.0	250.0	300.0	400.0
-1.0000E+00	5.085E-11	7.365E-11	1.233E-10	1.718E-10	2.141E-10	2.472E-10	2.837E-10	2.837E-10
-9.8901E-01	5.103E-11	7.370E-11	1.237E-10	1.725E-10	2.150E-10	2.483E-10	2.850E-10	2.850E-10
-9.44575E-01	5.169E-11	7.487E-11	1.254E-10	1.755E-10	2.184E-10	2.524E-10	2.901E-10	2.901E-10
-8.65631E-01	5.291E-11	7.666E-11	1.286E-10	1.799E-10	2.246E-10	2.600E-10	2.994E-10	2.994E-10
-7.55064E-01	5.462E-11	7.912E-11	1.329E-10	1.862E-10	2.312E-10	2.744E-10	3.123E-10	3.123E-10
-6.17876E-01	5.682E-11	8.224E-11	1.384E-10	1.944E-10	2.441E-10	2.838E-10	3.290E-10	3.290E-10
-4.58917E-01	5.964E-11	8.617E-11	1.452E-10	2.048E-10	2.581E-10	3.011E-10	3.508E-10	3.508E-10
-2.81605E-01	6.328E-11	9.122E-11	1.539E-10	2.189E-10	2.760E-10	3.235E-10	3.797E-10	3.797E-10
-9.50125E-02	6.806E-11	9.776E-11	1.650E-10	2.348E-10	2.991E-10	3.520E-10	4.179E-10	4.179E-10
9.50125E-02	7.801E-11	1.124E-10	1.850E-10	2.532E-10	3.254E-10	3.904E-10	4.679E-10	4.679E-10
2.81605E-01	8.843E-11	1.495E-10	1.916E-10	2.854E-10	3.678E-10	4.363E-10	5.228E-10	5.228E-10
4.58917E-01	9.501E-11	1.363E-10	2.252E-10	3.138E-10	4.082E-10	4.961E-10	6.161E-10	6.161E-10
6.17876E-01	1.102E-10	1.546E-10	2.479E-10	3.623E-10	4.715E-10	5.702E-10	7.240E-10	7.240E-10
7.55064E-01	1.449E-10	1.904E-10	3.038E-10	4.209E-10	5.471E-10	6.703E-10	8.662E-10	8.662E-10
8.65631E-01	1.957E-10	2.504E-10	3.839E-10	6.733E-10	8.148E-10	1.062E-09	1.375E-09	1.375E-09
9.44575E-01	2.962E-10	3.990E-10	5.700E-10	7.433E-10	9.143E-10	1.081E-09	1.394E-09	1.394E-09
9.8901E-01	7.042E-10	8.933E-10	1.239E-09	1.521E-09	1.756E-09	1.955E-09	2.262E-09	2.262E-09
TOTAL	1.236E-09	1.763E-09	2.723E-09	3.779E-09	4.790E-09	5.683E-09	6.941E-09	6.941E-09
COSINE	500.0	600.0	RANGE (METERS)	900.0	1200.0		1500.0	
					1800.0	1800.0	1800.0	1800.0
COSINE	500.0	600.0	RANGE (METERS)	900.0	1200.0		1500.0	
					1800.0	1800.0	1800.0	1800.0
-1.0000E+00	2.862E-10	2.666E-10	1.633E-10	8.233E-11	3.837E-11	1.737E-11	1.737E-11	1.737E-11
-9.8901E-01	2.875E-10	2.674E-10	1.644E-10	8.309E-11	3.887E-11	1.767E-11	1.767E-11	1.767E-11
-9.44575E-01	2.930E-10	2.727E-10	1.684E-10	8.573E-11	4.038E-11	1.859E-11	1.859E-11	1.859E-11
-8.65631E-01	3.029E-10	2.750E-10	1.750E-10	8.967E-11	4.473E-11	1.974E-11	1.974E-11	1.974E-11
-7.55064E-01	3.163E-10	2.951E-10	1.830E-10	9.369E-11	4.456E-11	2.068E-11	2.068E-11	2.068E-11
-6.17876E-01	3.339E-10	3.116E-10	1.924E-10	9.763E-11	4.594E-11	2.102E-11	2.102E-11	2.102E-11
-4.58917E-01	3.570E-10	3.334E-10	2.046E-10	1.025E-09	4.755E-11	2.145E-11	2.145E-11	2.145E-11
-2.81605E-01	3.881E-10	3.632E-10	2.222E-10	1.103E-09	5.055E-11	2.272E-11	2.272E-11	2.272E-11
-9.50125E-02	4.301E-10	4.042E-10	2.479E-10	1.224E-09	5.588E-11	2.500E-11	2.500E-11	2.500E-11
9.50125E-02	4.864E-10	4.603E-10	2.845E-10	1.403E-09	6.381E-11	2.847E-11	2.847E-11	2.847E-11
5.612E-10	5.366E-10	3.366E-10	1.656E-10	7.454E-11	7.454E-11	3.282E-11	3.282E-11	3.282E-11
6.607E-10	6.412E-10	4.129E-10	2.036E-10	9.020E-11	3.867E-11	3.867E-11	3.867E-11	3.867E-11
7.941E-10	7.869E-10	5.310E-10	2.674E-10	1.183E-10	4.970E-11	4.970E-11	4.970E-11	4.970E-11
9.745E-10	9.923E-10	7.215E-10	3.847E-10	1.768E-10	7.584E-11	7.584E-11	7.584E-11	7.584E-11
7.55064E-01	1.222E-09	1.281E-09	1.028E-09	6.036E-10	3.022E-10	1.394E-10	1.394E-10	1.394E-10
8.65631E-01	1.586E-09	1.693E-09	1.497E-09	9.875E-10	5.555E-10	2.840E-10	2.840E-10	2.840E-10
9.44575E-01	2.454E-09	2.536E-09	2.253E-09	1.604E-09	9.933E-10	5.656E-10	5.656E-10	5.656E-10
9.89401E-01	7.447E-09	7.319E-09	5.103E-09	2.795E-09	1.375E-09	6.463E-09	6.463E-09	6.463E-09
TOTAL								

PI R**2 SILICON KERMA (GAMMAS)
(CM**2 ERGS/GRAM/STERADIAN/SOURCE NEUTRON)

FISSION SOURCE

COSINE	75.0	100.0	150.0	200.0	RANGE (METERS)	250.0	300.0	400.0
-1.00000E 00	4.555E-11	6.434E-11	1.043E-10	1.421E-10	1.732E-10	1.957E-10	2.140E-10	2.140E-10
-9.89401E-01	4.573E-11	6.461E-11	1.048E-10	1.428E-10	1.741E-10	1.967E-10	2.153E-10	2.153E-10
-9.44575E-01	4.642E-11	6.561E-11	1.054E-10	1.434E-10	1.751E-10	1.975E-10	2.203E-10	2.203E-10
-8.65631E-01	4.769E-11	6.744E-11	1.098E-10	1.501E-10	1.838E-10	2.084E-10	2.295E-10	2.295E-10
-7.55044E-01	4.945E-11	6.995E-11	1.141E-10	1.566E-10	1.933E-10	2.187E-10	2.420E-10	2.420E-10
-6.17876E-01	5.172E-11	7.313E-11	1.196E-10	1.648E-10	2.032E-10	2.320E-10	2.584E-10	2.584E-10
-4.58017E-01	5.462E-11	7.713E-11	1.265E-10	1.752E-10	2.172E-10	2.492E-10	2.798E-10	2.798E-10
-2.81605E-01	5.837E-11	8.227E-11	1.352E-10	1.884E-10	2.322E-10	2.717E-10	3.084E-10	3.084E-10
-9.50125E-02	6.333E-11	8.898E-11	1.465E-10	2.054E-10	2.585E-10	3.011E-10	3.469E-10	3.469E-10
9.50125E-02	7.386E-11	1.046E-10	1.678E-10	2.237E-10	2.848E-10	3.397E-10	3.979E-10	3.979E-10
2.81605E-01	8.446E-11	1.062E-10	1.728E-10	2.575E-10	3.292E-10	3.867E-10	4.647E-10	4.647E-10
4.58017E-01	9.168E-11	1.293E-10	2.089E-10	2.859E-10	3.701E-10	4.489E-10	5.515E-10	5.515E-10
6.17876E-01	1.077E-10	4.312E-10	3.312E-10	3.366E-10	4.366E-10	5.260E-10	6.653E-10	6.653E-10
7.55044E-01	1.441E-10	1.865E-10	2.908E-10	3.975E-10	5.151E-10	6.315E-10	8.164E-10	8.164E-10
8.65631E-01	1.993E-10	2.497E-10	3.748E-10	5.105E-10	6.490E-10	7.848E-10	1.026E-09	1.026E-09
9.44575E-01	3.076E-10	4.101E-10	5.755E-10	7.415E-10	9.059E-10	1.071E-09	1.364E-09	1.364E-09
9.89401E-01	7.498E-10	9.462E-10	1.300E-09	1.585E-09	1.822E-09	2.021E-09	2.331E-09	2.331E-09
TOTAL	1.203E-09	1.623E-09	2.527E-09	3.455E-09	4.336E-09	5.108E-09	6.159E-09	6.159E-09

COSINE	500.0	600.0	900.0	1200.0	RANGE (METERS)	1500.0	1800.0	
-1.00000E 00	2.048E-10	1.799E-10	9.197E-11	3.846E-11	1.501E-11	5.809E-12	12	12
-9.89401E-01	2.061E-10	1.812E-10	9.299E-11	3.921E-11	1.552E-11	6.119E-12	11	11
-9.44575E-01	2.114E-10	1.865E-10	6.681E-11	4.173E-11	7.039E-12	7.039E-12	10	10
-8.65631E-01	2.210E-10	1.951E-10	1.029E-10	4.532E-11	1.919E-11	8.118E-12	12	12
-7.55044E-01	2.339E-10	2.074E-10	1.098E-10	4.862E-11	2.061E-11	8.865E-12	11	11
-6.17876E-01	2.507E-10	2.226E-10	1.177E-10	5.141E-11	2.130E-11	8.829E-12	12	12
-4.58017E-01	2.730E-10	2.434E-10	1.282E-10	5.488E-11	2.203E-11	8.790E-12	12	12
-2.81605E-01	3.034E-10	2.720E-10	1.439E-10	6.106E-11	2.408E-11	9.565E-12	12	12
-9.50125E-02	3.453E-10	3.124E-10	1.678E-10	7.175E-11	2.852E-11	1.138E-11	11	11
9.50125E-02	4.023E-10	3.687E-10	2.033E-10	8.835E-11	3.561E-11	1.442E-11	11	11
2.81605E-01	4.793E-10	4.468E-10	2.553E-10	1.128E-10	4.555E-11	1.828E-11	11	11
4.58017E-01	5.832E-10	5.559E-10	3.336E-10	1.508E-10	6.066E-11	2.365E-11	11	11
6.17876E-01	7.243E-10	7.104E-10	4.582E-10	2.172E-10	8.928E-11	3.456E-11	11	11
7.55044E-01	9.175E-10	9.312E-10	6.633E-10	3.432E-10	1.517E-10	6.219E-11	11	11
8.65631E-01	1.184E-09	1.245E-09	9.997E-10	5.834E-10	2.892E-10	1.317E-10	10	10
9.44575E-01	1.580E-09	1.656E-09	1.519E-09	1.010E-09	5.706E-10	2.933E-10	10	10
9.89401E-01	2.531E-09	2.622E-09	2.360E-09	1.701E-09	1.067E-09	6.116E-10	9	9
TOTAL	6.524E-09	6.329E-09	4.247E-09	2.252E-09	1.082E-09	5.000E-10		

4 PI K**2 FLUENCE AT 75.0 METERS

TERMINAL SOURCE

(NEUTRONS/REV/STERADIANT/SOURCE NEUTRON)

ENERGY GROUP (MeV)	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
1.022E 01----1.50E 01	MU=-1.000C	MU=-0.944C	MU=-0.944C	MU=-0.955C	MU=-0.755C	MU=-0.617C	MU=-0.458C	MU=-0.281C	MU=-0.095C
1.022E 01----1.22E C1	-5.280E-05	-4.324E-05	-1.087E-05	3.432E-06	9.022E-06	1.333E-06	-1.296E-06	-4.432E-06	9.966E-07
1.022E 01----1.03E 01	5.320E-C5	5.305E-C5	5.582E-05	5.565E-05	6.359E-05	6.922E-05	8.492E-05	1.492E-05	1.452E-C4
8.19E 00----1.03E 01	1.963E-C4	1.886E-C4	1.795E-04	1.657E-04	1.510E-04	1.433E-04	1.433E-04	1.433E-04	1.654E-C4
6.36E 00----8.19E 00	1.639E-04	1.626E-04	1.59E-04	1.535E-04	1.499E-04	1.516E-04	1.615E-04	1.611E-04	1.599E-04
4.97E LC----0.36E CC	2.228E-04	2.217E-04	2.184E-04	<1.157E-04	2.190E-04	2.322E-04	2.592E-04	3.472E-04	2.980E-04
4.07E 00----4.97E CC	3.783E-C4	3.807E-C4	3.900E-04	4.071E-04	4.305E-04	4.600E-04	4.967E-04	5.428E-04	6.614E-04
3.01E 00----4.07E CC	6.501E-04	6.514E-04	6.514E-04	6.541E-04	6.737E-04	6.957E-04	7.301E-04	7.647E-04	7.567E-04
2.46E 00----3.01E CC	1.457E-C3	1.453E-C3	1.453E-C3	1.447E-03	1.444E-03	1.438E-03	1.449E-03	1.456E-03	1.456E-03
2.35E 00----2.66E CC	2.087E-03	2.055E-03	2.015E-03	1.972E-03	1.972E-03	1.944E-03	1.944E-03	1.944E-03	1.944E-03
1.83E 00----2.45E CC	1.583E-03	1.582E-03	1.582E-03	1.582E-03	1.589E-03	1.611E-03	1.665E-03	1.766E-03	2.135E-03
1.11E 00----1.83E 00	2.636E-03	2.646E-03	2.877E-C3	2.943E-C3	3.052E-03	3.216E-03	3.451E-03	3.777E-03	4.244E-03
5.54E 01----1.11E CC	8.336E-03	8.23E-03	8.23E-03	8.57CE-03	8.611E-03	9.172E-03	9.691E-03	1.042E-02	1.144E-02
1.11E 01----5.54E 01	2.495E-02	2.502E-02	2.531E-02	2.539E-02	2.677E-02	2.800E-02	2.933E-02	3.177E-02	3.454E-02
3.35E 02----1.11E 01	7.123E-01	7.142E-01	7.219E-01	7.372E-01	7.605E-01	7.931E-01	8.367E-01	8.934E-01	9.676E-01
5.83E-04----3.35E-02	8.835E-01	8.856E-01	8.942E-01	9.112E-01	9.367E-C1	9.718E-01	1.018E-00	1.075E-00	1.140E-00
1.01E-04----5.83E-04	5.082E-01	5.134E-01	5.215E-01	5.334E-01	5.496E-01	5.702E-01	5.958E-01	6.267E-01	6.267E-01
2.90E-05----1.01E-04	1.909E-02	1.913E-02	1.925E-02	1.950E-02	1.986E-02	2.034E-02	2.093E-02	2.166E-02	2.253E-02
1.07E-05----2.90E-05	4.813E-02	4.839E-02	4.891E-02	4.891E-02	4.964E-02	5.061E-02	5.180E-02	5.323E-02	5.488E-02
3.06E-06----1.07E-05	1.084E-03	1.089E-03	1.099E-03	1.112E-03	1.128E-03	1.149E-03	1.173E-03	1.200E-03	1.200E-03
1.12E-06----3.06E-06	2.559E-03	2.562E-03	2.571E-03	2.589E-03	2.614E-03	2.647E-03	2.686E-03	2.732E-03	2.763E-03
4.14E-07----1.12E-06	5.029E-03	5.033E-03	5.049E-03	5.079E-03	5.121E-03	5.176E-03	5.244E-03	5.315E-03	5.397E-03
4.14E-07	0.641E-03	0.645E-03	0.663E-03	0.667E-03	0.6743E-03	0.6802E-03	0.6870E-03	0.6947E-03	7.050E-03
C.C.									
ENERGY GROUP (MeV)	ANGLE 10	ANGLE 11	ANGLE 12	ANGLE 13	ANGLE 14	ANGLE 15	ANGLE 16	ANGLE 17	SCALAR FLUX
1.22E 01----1.56E C1	MU= 0.945C5	MU= 0.458C1	MU= 0.580C1	MU= 0.755C1	MU= 0.865C6	MU= 0.949C4	MU= 0.949C4	MU= 0.949C4	1.695E-04
1.00E 01----1.22E C1	3.054E-04	2.828E-04	3.454E-04	4.225E-C4	5.995E-04	1.181E-03	4.673E-03	4.718E-03	1.508E-04
6.19E 00----1.00E C1	3.502E-04	2.422E-04	3.069E-04	4.488E-04	8.221E-04	1.159E-03	2.942E-03	3.392E-03	1.073E-02
6.36E 00----6.19E 00	3.753E-04	2.618E-04	5.333E-04	8.026E-04	8.791E-04	1.238E-03	3.499E-03	3.499E-03	1.123E-02
4.97E 00----6.36E 00	6.071E-04	4.432E-04	5.533E-04	8.034E-04	1.0409E-03	1.746E-03	2.047E-03	4.872E-03	5.4C8E-C2
4.07E 00----4.97E 00	9.255E-04	8.597E-04	9.034E-04	1.173E-03	1.752E-03	2.551E-03	2.993E-03	6.828E-03	7.461E-02
3.01E 00----4.07E 00	2.02E-03	9.225E-04	1.705E-03	2.800E-03	3.665E-03	5.733E-03	6.400E-03	9.366E-03	9.366E-02
2.46E 00----3.01E 00	2.533E-03	2.144E-03	2.800E-03	3.665E-03	5.048E-03	6.697E-03	9.243E-03	1.811E-01	5.967E-02
2.35E 00----2.46E 00	3.496E-03	3.322E-03	4.048E-03	6.697E-03	6.697E-03	6.697E-03	2.475E-02	2.057E-01	6.239E-02
1.08E 00----2.35E 00	3.475E-03	3.126E-03	4.353E-03	6.379E-03	6.379E-03	6.379E-03	2.058E-02	2.066E-01	8.225E-02
1.11E 00----1.83E 00	6.844E-03	6.112E-03	6.497E-03	8.397E-03	8.397E-03	8.397E-03	1.757E-02	1.871E-01	1.374E-01
5.5CL-01----1.11E CC	1.793E-02	1.563E-02	1.645E-02	1.985E-02	3.044E-02	4.115E-02	6.481E-02	5.573E-01	3.055E-C1
1.11E 01----5.50E 01	3.901E-02	4.395E-02	5.109E-02	6.161E-02	6.742E-02	9.007E-02	1.489E-01	6.412E-01	6.682E-01
3.35E 02----1.11E 01	1.088E 00	1.324E 00	1.332E 00	1.547E 00	1.623E 00	2.062E 00	2.859E 00	3.064E 00	1.623E 01
5.83E-04----3.35E-02	1.201E-02	1.246E-02	1.261E-02	1.524E-02	1.704E-02	2.358E-02	2.942E-02	3.130E-02	1.780E-01
1.01E-04----5.83E-04	6.906E 01	7.086E 01	7.377E 01	7.846E C1	9.141E L1	1.052E C2	1.129E C2	1.483E U2	9.122E C2
2.90C-05----1.01E-04	2.370E 02	2.576E 02	2.605E 02	2.680E 02	3.066E 02	3.662E 02	3.987E 02	3.644E 02	3.017E C3
1.07E-05----2.90E-05	5.671E C2	5.877E 02	6.119E 02	6.337E 02	6.578E 02	6.831E 02	7.027E 02	7.260E 02	7.166E 03
3.06E-06----1.07E-05	1.230E 03	1.262E 03	1.298E 03	1.328E 03	1.366E 03	1.411E 03	1.411E 03	1.426E 03	1.542E 04
1.12E-06----3.06E-06	2.837E 03	2.895E 03	3.034E 03	3.052E 03	3.052E 03	3.134E 03	3.154E 03	3.154E 03	3.551E 04
4.14E-07----1.12E-06	5.694E C2	5.574E 03	5.663E 03	5.747E 03	5.822E 03	5.936E 03	5.956E 03	6.659E 04	7.563E C3
0.0	-6.14E-07	7.119E C3	7.211C 03	7.30CE 03	7.384E 03	7.458E 03	7.518E 03	7.56CE 03	8.96E 04

4 PI R**2 FLUENCE AT 150.0 METERS

THERMONUCLEAR SOURCE

(NEUTRONS/MEV/STERADIANT/SOURCE NEUTRONS)

ENERGY GROUP (MEV)	ANGLE 1 MU=1.0000	ANGLE 2 MU=0.9894	ANGLE 3 MU=0.9460	ANGLE 4 MU=0.8650	ANGLE 5 MU=0.7550	ANGLE 6 MU=0.6179	ANGLE 7 MU=0.4580	ANGLE 8 MU=0.2816	ANGLE 9 MU=-0.0956
1.22E 01---1.50E 01	-4.961E-05	-4.961E-05	-1.576E-05	4.894E-05	6.056E-05	1.252E-05	-3.979E-06	-6.58E-06	3.967E-07
1.00E 01---1.22E 01	4.772E-05	4.894E-05	5.296E-05	5.83E-05	6.329E-05	7.01GE-05	8.488E-05	1.442E-04	1.614E-04
8.19E 00---1.00E 01	1.925E-04	1.904E-04	1.82JE-04	1.68E-04	1.558E-04	1.494E-04	1.551E-04	1.768E-04	2.141E-04
6.36E 00---8.19E 00	1.955E-04	1.942E-04	1.896E-04	1.896E-04	1.804E-04	1.849E-04	2.005E-04	2.292E-04	2.69E-04
4.97E 00---6.36E 00	2.885E-04	2.844E-04	2.870E-04	2.814E-04	2.814E-04	3.102E-04	3.492E-04	4.73CE-04	4.055E-04
4.07E 00---4.97E 00	5.092E-04	5.223E-04	5.245E-04	5.468E-04	5.776E-04	6.165E-04	6.65E-04	7.262E-04	8.640E-04
3.01E 00---4.07E 00	8.270E-04	8.270E-04	8.276E-04	8.305E-04	8.383E-04	8.544E-04	8.822E-04	9.289E-04	1.001E-03
2.46E 00---3.01E 00	1.783E-03	1.783E-03	1.779E-03	1.775E-03	1.772E-03	1.778E-03	1.868E-03	1.991E-03	1.991E-03
2.35E 00---2.46E 00	2.576E-03	2.565E-03	2.544E-03	2.511E-03	2.490E-03	2.494E-03	2.54E-03	2.677E-03	2.915E-03
1.83E 00---2.35E 00	2.212E-03	2.214E-03	2.222E-03	2.242E-03	2.236E-03	2.397E-03	2.555E-03	2.794E-03	3.129E-03
1.11E 00---1.83E 00	4.019E-03	4.03CE-03	4.079E-03	4.188E-03	4.342E-03	4.582E-03	4.948E-03	5.377E-03	5.994E-03
5.5CE-01---1.11E 00	1.217E-02	1.226E-02	1.233E-02	1.259E-02	1.300E-02	1.359E-02	1.441E-02	1.553E-02	1.774E-02
1.11E-01---5.50E-01	3.899E-02	3.910E-02	3.956E-02	4.046E-02	4.178E-02	4.366E-02	4.606E-02	4.908E-02	5.302E-02
3.35E-02---1.11E-01	9.253E-01	9.277E-01	9.377E-01	9.570E-01	9.855E-01	1.024E-00	1.07E-00	1.138E-00	1.214E-00
5.83E-04---3.35E-02	1.118E-00	1.121E-00	1.131E-00	1.151E-00	1.161E-00	1.181E-00	1.211E-00	1.272E-00	1.401E-00
1.01E-04---5.83E-04	7.603E-01	7.618E-01	7.683E-01	7.805E-01	7.985E-01	8.224E-01	8.555E-01	8.891E-01	9.319E-01
2.90E-05---1.01E-04	3.362E-02	3.365E-02	3.394E-02	3.442E-02	3.513E-02	3.606E-02	3.722E-02	3.864E-02	4.033E-02
1.07E-05---2.90E-05	9.647E-02	9.663E-02	9.730E-02	9.857E-02	1.004E-02	1.048E-03	1.078E-03	1.093E-03	1.135E-03
3.06E-06---1.07E-05	2.472E-03	2.475E-03	2.490E-03	2.519E-03	2.560E-03	2.613E-03	2.679E-03	2.756E-03	2.846E-03
1.12E-06---3.06E-06	6.337E-03	6.345E-03	6.380E-03	6.446E-03	6.539E-03	6.661E-03	6.808E-03	6.984E-03	7.161E-03
4.14E-07---1.12E-06	1.322E-04	1.322E-04	1.333E-04	1.335E-04	1.363E-04	1.388E-04	1.413E-04	1.445E-04	1.462E-04
0.0 ---4.14E-07	1.845E-04	1.847E-04	1.855E-04	1.870E-04	1.890E-04	1.917E-04	1.949E-04	1.985E-04	2.026E-04

ENERGY GROUP (MEV)	ANGLE 10 MU= 0.0950	ANGLE 11 MU= 0.2810	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9894	SCALAR FLUX
1.22E 01---1.50E 01	3.711E-05	7.211E-05	7.228E-05	2.502E-04	5.747E-04	6.758E-04	6.212E-03	5.816E-02	1.220E-02
1.00E 01---1.22E 01	2.695E-04	3.622E-04	2.739E-04	4.769E-04	6.769E-04	6.769E-04	1.444E-03	3.293E-03	3.445E-02
8.19E 00---1.00E 01	1.79E-04	1.79E-04	1.877E-04	1.877E-04	1.877E-04	1.877E-04	1.98E-03	2.054E-03	2.597E-03
6.36E 00---8.19E 00	2.366E-04	3.796E-04	5.364E-04	4.868E-04	9.996E-04	1.403E-03	1.403E-03	3.299E-03	2.711E-02
4.97E 00---6.36E 00	4.222E-04	6.179E-04	9.120E-04	8.691E-04	1.762E-03	2.364E-03	5.244E-03	4.043E-02	1.701E-02
4.07E 00---4.97E 00	1.07E-04	1.07E-04	1.295E-03	9.888E-04	<0.12E-03	2.111E-03	5.161E-03	7.174E-03	2.552E-02
3.01E 00---4.07E 00	8.414E-04	1.325E-03	1.877E-03	1.750E-03	4.096E-03	4.666E-03	9.370E-03	1.120E-02	3.120E-02
2.46E 00---3.01E 00	1.674E-03	3.159E-03	2.515E-03	4.622E-03	5.311E-03	8.840E-03	1.629E-02	1.146E-01	5.955E-02
2.35E 00---2.46E 00	2.581E-03	4.762E-03	3.959E-03	7.402E-03	7.492E-03	1.426E-02	2.245E-02	2.719E-01	8.643E-02
1.83E 00---2.35E 00	5.071E-03	5.071E-03	4.322E-03	4.725E-03	7.772E-03	1.402E-02	2.128E-02	3.452E-02	8.525E-02
1.11E 00---1.83E 00	5.334E-03	5.581E-03	7.724E-03	1.420E-02	1.334E-02	2.442E-02	3.452E-02	1.8C3E-01	1.392E-01
5.50E-01---1.11E 00	1.542E-02	2.550E-02	2.180E-02	3.572E-02	3.441E-02	5.770E-02	7.586E-02	3.431E-01	3.448E-01
1.11E-01---5.50E-01	7.006E-02	7.006E-02	7.81CE-02	7.830E-02	1.0CG9E-01	1.128E-01	1.601E-01	3.484E-01	8.630E-01
3.35E-00---1.11E-01	2.017E-00	1.321E-00	1.486E-00	1.742E-00	2.09CE-00	2.257E-00	2.532E-00	3.783E-00	1.648E-01
5.83E-04---3.35E-02	1.30E-00	1.341E-00	1.341E-00	1.341E-00	2.02CE-00	2.400E-00	2.400E-00	2.400E-00	2.400E-00
1.01E-04---5.83E-04	8.29E-01	1.11E-02	1.097E-02	1.209E-02	1.254E-02	1.390E-02	1.442E-02	1.561E-02	1.254E-03
2.90E-05---1.01E-04	4.598E-02	4.519E-02	4.247E-02	5.934E-02	6.12E-02	5.91CE-02	5.384E-02	6.047E-02	5.391E-03
1.07E-05---2.90E-05	1.71E-03	1.238E-03	1.289E-03	1.347E-03	1.41UE-03	1.459E-03	1.513E-03	1.541E-03	1.450E-04
3.06E-06---1.07E-05	2.945E-03	3.053E-03	3.165E-03	3.281E-03	3.392E-03	3.491E-03	3.572E-03	3.621E-03	3.697E-04
1.12E-06---3.06E-06	7.399E-03	7.632E-03	7.871E-03	8.111E-03	8.335E-03	8.531E-03	8.833E-03	8.774E-03	9.269E-04
4.14E-07---1.12E-06	1.521E-04	1.563E-04	1.667E-04	1.667E-04	1.667E-04	1.718E-04	1.743E-04	1.758E-04	1.563E-05
0.0 ---4.14E-07	2.071E-04	2.118E-04	2.210E-04	2.252E-04	2.286E-04	2.320E-04	2.320E-04	2.320E-04	2.591E-05

4 PI R**2 FLUENCE AT 200.0 METERS

THERMUNUCLEAR SOURCE

(NEUTRONS/MEV/STERADIAN/SOURCE NEUTRIN)

ENERGY GROUP (MEV)	ANGLE 1 MU=-1.0000	ANGLE 2 MU=-0.92694	ANGLE 3 MU=-C. 94466	ANGLE 4 MU=-C. 98883	ANGLE 5 MU=-C. 75550	ANGLE 6 MU=-0.6179	ANGLE 7 MU=-C. 4560	ANGLE 8 MU=-C. 2616	ANGLE 9 MU=-0. C5956
1.022E 01---1.50E 01	-4.214E-05	-3.44E-05	-1.269E-05	3.55CE-C6	1.126E-05	1.06CE-05	-3.195E-06	-5.5C3E-06	1.77E-06
1.04E 01---1.22E 01	4.14E-05	4.242E-05	4.66E-05	5.728E-C5	6.368E-05	6.368E-05	1.50E-04	1.50E-04	1.50E-04
8.19E 00---1.00E C1	1.744E-04	1.725E-04	1.653E-04	1.544E-C4	1.435E-04	1.393E-04	1.472E-04	1.710E-04	2.10CE-04
6.36E 00---8.19E C0	1.928E-04	1.915E-04	1.872E-04	1.817E-04	1.796E-04	1.856E-04	2.03E-04	2.347E-04	2.784E-04
4.97E 00---6.16E 00	2.93E-04	2.962E-04	2.921E-04	2.921E-04	2.921E-04	2.921E-04	3.25E-04	3.25E-04	3.25E-04
4.07E 00---4.97E 00	5.356E-04	5.389E-04	5.514E-04	5.745E-04	6.064E-04	6.471E-04	6.92E-04	7.622E-04	8.455E-04
3.01E 00---4.07E 00	8.456E-04	8.456E-04	8.461E-04	8.488E-04	8.568E-04	8.737E-04	9.08E-04	9.532E-04	1.631E-03
2.46E 00---3.01E 00	1.783E-03	1.782E-U3	1.781E-03	1.778E-03	1.793E-03	1.793E-03	1.859E-03	1.966E-03	2.450E-03
2.35E 00---2.46E 00	2.580E-03	2.576E-03	2.561E-03	2.543E-03	2.538E-03	2.566E-03	2.649E-03	2.817E-C3	3.104E-03
1.83E 00---2.35E C0	2.360E-03	2.363E-03	2.377E-03	2.411E-03	2.479E-03	2.594E-03	2.775E-03	3.043E-C3	3.424E-03
1.11E 00---1.83E 00	4.299E-03	4.312E-03	4.366E-03	4.478E-03	4.655E-C3	4.915E-03	5.279E-03	6.435E-03	7.722E-C3
5.5CE-01---1.11E 00	1.321E-02	1.321E-02	1.321E-02	1.321E-02	1.321E-02	1.321E-02	1.480E-02	1.659E-C2	1.868E-02
1.11E-01---5.50E-01	4.303E-02	4.315E-C2	4.366E-02	4.464E-02	4.408E-02	4.8C5E-02	5.390E-C2	5.797E-02	5.797E-02
3.35E-02---1.11E-C1	9.133E-01	9.133E-01	9.229E-01	9.413E-C1	9.682E-01	1.005E C0	1.052E C0	1.11E C0	1.183E 00
5.83E-C4---3.35E-02	1.086E-00	1.086E-00	1.098E-00	1.117E C0	1.144E C0	1.181E C0	1.228E C0	1.286E C0	1.356E 00
1.01E-04---5.83E-C4	7.717E-01	7.733E-01	7.798E-01	7.922E-01	8.11CE-01	8.340E C1	8.61E C1	9.0C9E C1	9.453E 01
2.90E-05---1.01E-04	3.577E-02	3.584E-02	3.611E-02	3.664E-02	3.740E-02	3.840E-02	3.965E-02	4.116E-02	4.291E C2
1.07E-05---2.90E-L5	1.074E-03	1.076E-03	1.084E-03	1.099E-03	1.120E-03	1.148E-03	1.183E-03	1.225E-03	1.273E 03
3.06E-06---1.07E-05	2.902E-03	2.907E-03	2.926E-03	2.963E-03	3.015E-03	3.083E-03	3.168E-03	3.268E-03	3.384E 03
1.12E-06---3.06E-C6	7.734E-03	7.746E-03	7.794E-03	7.884E-03	8.011E-03	8.178E-03	8.383E-03	8.625E-03	8.901E C3
4.14E-07-1.12E-C6	1.671E-04	1.673E-04	1.683E-04	1.701E-04	1.726E-04	1.759E-04	1.800E-04	1.847E C4	1.901E 04
L.C. ---4.14E-07	2.401E-04	2.441E-04	2.416E-04	2.439E-04	2.470E-04	2.511E-04	2.556E-04	2.617E-04	2.681E-04
4.93E 00---2.35E 00	4.360E-03	4.333E-03	4.900E-03	6.989E-03	9.859E-03	1.349E-02	1.616E-02	1.852E-02	1.852E-02
1.83E 00---1.83E 00	8.169E-03	7.799E-03	1.081E-02	1.205E-02	1.568E-C2	1.193E-02	3.482E-02	1.317E-01	1.376E-01
5.50E-01---1.11E 00	2.301E-02	2.216E-02	2.953E-02	3.236E-02	4.296E-C2	5.401E-C2	8.007E-02	2.575E-C1	3.549E-C1
1.11E-01---5.50E-C1	5.313E-02	7.735E-02	7.131E-02	9.331E-02	9.721E-02	1.230E-01	1.474E-01	2.626E-C1	3.746E-01
3.35E-02---1.11E-C1	1.370E-00	1.324E-00	1.501E-00	1.678E-00	1.784E C0	2.049E C0	2.287E-00	2.764E 00	3.688E C1
5.83E-04---3.35E-02	1.585E-00	1.475E-00	1.635E-00	1.800E-00	1.832E-00	2.112E-00	2.138E-00	2.387E-00	2.863E C1
1.01E-04---5.83E-04	1.116E-02	9.786E C1	1.164E-02	1.147E-02	1.283E C2	1.315E-02	1.412E-02	1.454E-02	1.276E C3
2.9CE-05---1.01E-C4	4.197E-02	4.866E C2	4.905E-02	5.269E-02	5.507E C2	5.754E-02	6.077E-02	6.649E C3	5.649E-03
1.07E-05---2.90E-C5	1.338E-03	1.385E-03	1.459E-03	1.521E-03	1.653E-03	1.740E C3	1.707E-03	1.740E C3	1.676E 04
3.06E-06---1.07E-05	3.514E-03	3.654E C3	3.803E-03	3.954E-03	4.10CE-03	4.232E-03	4.337E-03	4.401E-03	4.414E C4
1.12E-06---3.06E-C6	9.207E-03	9.536E C3	9.879E-03	1.022E-03	1.055E-04	1.083E-04	1.105E-04	1.119E-04	1.154E C5
4.14E-C7---1.12E-C6	1.960E-04	2.023E-04	2.088E-04	2.152E-04	2.212E-04	2.264E-04	2.303E-04	2.327E-04	2.454E C5
6.0E 00---4.14E-C7	2.752E-04	2.826E C4	2.902E-04	3.044E C4	3.102E C4	3.145E-04	3.171E C4	3.443E-05	3.443E-05

4 PI R**2 FLUENCE AT 300.0 METERS

THERMONUCLEAR SOURCE

(NEUTRONS/HEV/STERADIAN/SOURCE NEUTRONS)

ENERGY GROUP (MEV)	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
1.22E 01---1.50E 01	MU=-0.1000	MU=-0.9894	MU=-0.8656	MU=-0.7550	MU=-0.6179	MU=-0.4586	MU=-0.2816	MU=-0.0561	MU=-0.0956
1.00E 01---1.22E 01	-2.765E-05	-2.208E-05	-7.502E-06	1.510E-05	1.241E-05	5.267E-06	-3.83E-06	-3.992E-06	2.513E-06
8.19E 00---1.00E 01	2.782E-05	2.898E-05	3.287E-05	3.798E-05	4.213E-05	4.717E-05	5.797E-05	8.017E-05	1.161E-06
6.36E 00---8.19E 00	1.223E-04	1.279E-04	1.223E-04	1.589E-04	1.094E-04	1.094E-04	1.881E-04	1.194E-04	1.711E-04
4.97E 00---6.36E 00	1.631E-04	1.622E-04	1.631E-04	1.589E-04	1.551E-04	1.548E-04	1.623E-04	1.808E-04	2.116E-04
4.07E 00---4.97E 00	2.723E-04	2.714E-04	2.694E-04	2.704E-04	2.812E-04	2.812E-04	3.068E-04	3.494E-04	4.781E-04
3.01E 00---4.07E 00	5.086E-04	5.195E-04	7.634E-04	7.634E-04	7.654E-04	7.730E-04	7.887E-04	8.173E-04	7.955E-04
2.46E 00---3.01E 00	1.546E-03	1.546E-03	1.546E-03	1.546E-03	1.546E-03	1.558E-03	1.580E-03	1.627E-03	1.716E-03
2.35E 00---2.46E 00	2.253E-03	2.252E-03	2.250E-03	2.250E-03	2.250E-03	2.278E-03	2.339E-03	2.458E-03	2.660E-03
1.83E 00---2.35E 00	2.212E-03	2.212E-03	2.292E-03	2.292E-03	2.337E-03	2.411E-03	2.545E-03	2.738E-03	3.016E-03
1.11E 00---1.83E 00	4.122E-03	4.335E-03	4.190E-03	4.301E-03	4.475E-03	4.728E-03	5.078E-03	5.548E-03	6.172E-03
5.50E-01---1.11E 00	1.280E-02	1.284E-02	1.300E-02	1.333E-02	1.381E-02	1.451E-02	1.546E-02	1.673E-02	1.844E-02
1.11E-01---5.50E-01	4.291E-02	4.291E-02	4.341E-02	4.431E-02	4.578E-02	4.770E-02	5.019E-02	5.333E-02	5.724E-02
3.35E-02---1.11E-01	7.523E-01	7.541E-01	7.615E-01	7.755E-01	7.958E-01	8.232E-01	8.580E-01	9.008E-01	9.521E-01
5.83E-04---3.35E-02	8.665E-01	8.682E-01	8.756E-01	8.892E-01	9.091E-01	9.354E-01	9.684E-01	1.008E-00	1.055E-00
1.01E-04---5.83E-04	6.339E-01	6.498E-01	6.402E-01	6.636E-01	6.820E-01	7.048E-01	7.322E-01	7.638E-01	7.967E-01
2.90E-05---1.01E-04	3.066E-02	3.072E-02	3.095E-02	3.140E-02	3.203E-02	3.288E-02	3.393E-02	3.519E-02	3.667E-02
1.07E-05---2.90E-05	9.618E-02	9.635E-02	9.708E-02	9.843E-02	1.004E-02	1.029E-03	1.061E-03	1.099E-03	1.143E-03
3.06E-06---1.07E-05	2.763E-03	2.768E-03	2.788E-03	2.825E-03	2.878E-03	2.947E-03	2.987E-03	3.033E-03	3.056E-03
1.12E-06---3.06E-06	7.734E-03	7.747E-03	7.800E-03	7.898E-03	8.039E-03	8.224E-03	8.452E-03	8.722E-03	9.031E-03
4.14E-07---1.12E-06	1.750E-04	1.752E-04	1.764E-04	1.783E-04	1.815E-04	1.855E-04	1.904E-04	1.961E-04	2.027E-04
6.0.0 ---4.14E-07	2.635E-04	2.635E-04	2.654E-04	2.688E-04	2.722E-04	2.774E-04	2.838E-04	2.913E-04	2.998E-04
ENERGY GROUP (MEV)	ANGLE 10	ANGLE 11	ANGLE 12	ANGLE 13	ANGLE 14	ANGLE 15	ANGLE 16	ANGLE 17	SCALAR FLUX
1.22E 01---1.50E 01	MU= 0.0956	MU= C.2816	MU= G.458C	MU= 0.6179	MU= C.7550	MU= G.8656	MU= 0.9446	MU= 0.9894	MU= 0.711E-03
1.00E 01---1.22E 01	2.105E-04	2.105E-04	2.617E-04	3.724E-04	5.966E-04	1.126E-03	2.594E-03	1.732E-02	6.612E-03
8.19E 00---1.00E 01	2.128E-04	2.874E-04	3.405E-04	4.688E-04	6.845E-04	1.205E-03	2.536E-03	1.511E-02	7.033E-03
6.36E 00---8.19E 00	2.947E-04	3.733E-04	4.494E-04	6.139E-04	8.924E-04	1.511E-03	2.996E-03	1.616E-02	8.563E-03
4.97E 00---6.36E 00	5.452E-04	6.866E-04	8.172E-04	1.105E-03	1.574E-03	2.529E-03	4.669E-03	1.400E-02	2.556E-02
4.07E 00---4.97E 00	8.721E-04	1.079E-03	1.272E-03	1.705E-03	2.367E-03	3.689E-03	6.501E-03	2.729E-02	2.059E-02
3.01E 00---4.07E 00	1.016E-03	1.279E-03	1.520E-03	2.066E-03	2.846E-03	4.328E-03	7.266E-03	2.634E-02	4.366E-02
2.46E 00---3.01E 00	3.018E-03	5.561E-03	3.298E-03	4.788E-03	5.988E-03	8.584E-03	1.440E-02	6.988E-02	4.968E-02
2.35E 00---2.46E 00	3.383E-03	6.260E-03	5.242E-03	7.05E-03	9.645E-03	1.440E-02	2.426E-02	8.111E-02	5.583E-02
1.83E 00---2.35E 00	3.834E-03	4.767E-03	5.643E-03	7.267E-03	9.366E-03	1.311E-02	2.020E-02	7.314E-02	7.582E-02
1.11E 00---1.83E 00	6.752E-03	8.302E-03	9.456E-03	1.185E-02	1.465E-02	1.955E-02	2.796E-02	7.300E-02	1.173E-01
5.50E-01---1.11E 00	2.001E-02	2.400E-02	2.70CE-02	3.298E-02	3.955E-02	5.062E-02	6.837E-02	1.529E-01	3.223E-01
1.11E-01---5.50E-01	6.564E-02	6.533E-02	7.688E-02	8.181E-02	9.533E-02	1.062E-01	1.253E-01	1.630E-01	8.477E-01
3.35E-02---1.11E-01	9.638E-01	1.115E-00	1.146E-00	1.278E-00	1.350E-00	1.483E-00	1.578E-00	1.697E-00	1.306E-01
5.83E-04---3.35E-02	1.024E-00	1.221E-00	1.322E-00	1.375E-00	1.483E-00	1.527E-00	1.589E-00	1.659E-00	1.465E-01
1.01E-04---5.83E-04	7.277E-01	8.333E-01	8.629E-01	9.590E-01	9.702E-01	1.044E-01	1.063E-01	1.101E-01	1.059E-01
2.90E-05---1.01E-04	4.022E-02	3.922E-02	4.278E-02	4.369E-02	4.661E-02	4.785E-02	4.986E-02	5.057E-02	4.888E-02
1.07E-05---2.90E-05	1.167E-03	1.305E-03	1.425E-03	1.481E-03	1.523E-03	1.551E-03	1.592E-03	1.630E-03	1.502E-03
3.08E-06---1.07E-05	3.386E-03	3.531E-03	3.684E-03	3.899E-03	3.989E-03	4.123E-03	4.228E-03	4.293E-03	4.255E-03
1.12E-06---3.06E-06	9.376E-03	9.75CE-03	1.014E-04	1.053E-04	1.091E-04	1.124E-04	1.150E-04	1.165E-04	1.176E-05
4.14E-07---1.12E-06	2.099E-04	2.178E-04	2.259E-04	2.340E-04	2.416E-04	2.483E-04	2.535E-04	2.565E-04	2.631E-05
0.0.0 ---4.14E-07	3.092E-04	3.192E-04	3.295E-04	3.397E-04	3.493E-04	3.575E-04	3.638E-04	3.675E-04	3.872E-05

4 PI R**2 FLUENCE AT 406.0 METERS

THERMNUCLEAR SOURCE

(NEUTRONS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MeV)	ANGLE 1 MU=1.000C	ANGLE 2 MU=-C.9894	ANGLE 3 MU=-0.9446	ANGLE 4 MU=C.8656	ANGLE 5 MU=-0.7550	ANGLE 6 MU=-0.4586	ANGLE 7 MU=-0.2810	ANGLE 8 MU=-0.9956
1.42E-01---1.50E-01	-1.638E-05	-1.328E-C5	-4.-245E-06	1.-03E-06	b.-121E-06	2.-892E-06	-2.-418E-06	-2.-370E-06
1.40E-01---1.22E-01	1.-771E-05	1.-863E-C5	2.-172E-05	2.-570E-C5	2.-884E-05	3.-239E-05	4.-000E-05	2.-604E-06
8.19E-01---1.00E-01	8.724E-05	8.661E-05	6.419E-05	8.036E-05	7.751E-C5	7.851E-C5	8.713E-05	8.178E-05
6.36E-00---8.19E-00	1.256E-04	1.249E-04	1.227E-04	1.244E-04	1.213E-04	1.287E-04	1.453E-04	1.351E-04
4.97E-00---6.36E-00	2.248E-04	2.242E-04	2.232E-04	2.252E-04	2.357E-04	2.587E-04	2.938E-04	2.718E-04
4.07E-00---4.97E-00	4.286E-04	4.281E-04	4.318E-04	4.381E-04	5.118E-04	5.436E-04	5.922E-04	6.794E-04
3.01E-00---4.07E-00	6.222E-04	6.224E-04	6.224E-04	6.233E-04	6.303E-04	6.436E-04	6.498E-04	7.723E-04
2.46E-00---3.01E-00	1.217E-03	1.220E-03	1.220E-03	1.225E-03	1.238E-03	1.263E-03	1.311E-03	1.397E-03
2.35E-00---2.46E-00	1.786E-03	1.787E-03	1.793E-03	1.807E-03	1.849E-03	1.922E-03	2.047E-03	2.549E-03
1.83E-00---2.35E-00	1.935E-03	1.946E-03	1.961E-03	1.967E-03	2.007E-03	2.023E-03	2.379E-03	2.975E-03
1.11E-30---1.83E-00	3.498E-03	3.509E-03	3.557E-03	3.638E-03	3.802E-03	4.018E-03	4.344E-03	5.233E-03
5.50E-01---1.11E-00	1.092E-62	1.056E-02	1.111E-02	1.139E-02	1.183E-02	1.244E-02	1.339E-02	1.584E-02
1.11E-01---5.50E-01	3.62E-02	3.702E-02	3.745E-02	3.821E-02	3.947E-02	4.110E-02	4.320E-02	4.905E-02
3.35E-02---1.11E-01	5.683E-01	5.748E-01	5.877E-01	5.987E-01	6.161E-01	6.422E-01	6.717E-01	7.664E-01
5.83E-04---3.25E-02	6.355E-01	6.347E-01	6.409E-01	6.502E-01	6.633E-01	6.814E-01	7.034E-01	7.301E-01
1.01E-04---5.83E-04	4.632E-01	4.666E-01	4.731E-01	4.826E-01	4.951E-01	5.091E-01	5.292E-01	5.511E-01
2.96E-05---1.01E-04	2.254E-02	2.270E-02	2.301E-02	2.344E-02	2.404E-02	2.476E-02	2.563E-02	2.662E-02
1.07E-05---2.96E-05	7.151E-02	7.163E-02	7.216E-02	7.333E-02	7.452E-02	7.636E-02	7.863E-02	8.134E-02
3.04E-06---1.07E-05	2.044E-03	<1.123E-03	2.123E-03	2.151E-03	2.191E-03	2.243E-03	2.303E-03	2.474E-03
1.12E-06---3.06E-06	6.076E-03	6.034E-03	6.076E-03	6.151E-03	6.264E-03	6.410E-03	6.589E-03	7.435E-03
4.14E-07---1.12E-06	1.398E-04	1.407E-04	1.444E-04	1.449E-04	1.482E-04	1.522E-04	1.569E-04	1.624E-04
C.0	2.158E-04	2.162E-04	2.175E-04	2.199E-04	2.233E-04	2.278E-04	2.332E-04	2.397E-04
ENERGY GROUP (MeV)	ANGLE 10 MU= 0.095U	ANGLE 11 MU= C.2810	ANGLE 12 MU= C.498U	ANGLE 13 MU= 0.0179	ANGLE 14 MU= C.7550	ANGLE 15 MU= 0.8856	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9894
1.22E-01---1.50E-01	C1	1.149E-04	1.537E-C4	1.977E-04	2.-733E-04	4.-412E-04	1.-483E-04	1.-367E-03
8.19E-00---1.00E-01	C1	1.732E-04	2.154E-04	2.738E-04	3.675E-04	5.621E-C4	9.922E-C4	1.024E-C4
6.36E-00---8.19E-00	C0	2.520E-04	3.832E-04	7.143E-04	9.491E-04	1.375E-04	2.174E-03	3.906E-03
4.97E-00---6.36E-00	C0	4.799E-04	6.928E-04	8.103E-04	1.143E-03	2.020E-03	3.065E-03	5.233E-03
4.07E-00---4.97E-00	C0	7.642E-04	8.774E-04	1.127E-03	1.438E-03	2.283E-03	3.393E-03	5.444E-03
3.01E-00---4.07E-00	C0	1.127E-03	1.283E-03	1.283E-03	1.534E-03	4.932E-03	7.349E-03	1.444E-02
2.46E-00---3.01E-00	C0	1.776E-03	2.679E-03	2.679E-03	3.534E-03	1.266E-03	1.243E-02	3.975E-02
2.35E-00---2.46E-00	C0	3.008E-03	4.683E-03	6.233E-03	8.670E-C3	8.670E-C3	1.244E-02	7.886E-02
1.83E-00---2.35E-00	C0	3.461E-03	4.694E-03	5.121E-03	6.228E-C3	8.164E-03	1.110E-02	1.653E-02
1.11E-00---1.83E-00	C0	5.911E-03	6.803E-03	8.055E-03	9.659E-03	1.199E-02	1.534E-02	2.092E-02
5.50E-01---1.11E-00	C0	1.781E-02	2.144E-02	2.346E-02	2.767E-02	3.338E-02	4.128E-02	5.399E-02
1.11E-01---5.50E-01	C0	5.225E-02	5.81CE-02	6.296E-02	7.033E-C2	7.739E-02	8.664E-02	9.675E-C2
3.35E-02---1.11E-01	C0	7.619E-01	8.51CE-01	8.966E-01	9.653E-01	1.020E-00	1.070E-00	1.116E-00
5.83E-04---3.35E-02	C0	8.219E-01	8.867E-01	9.138E-01	9.75CE-01	1.002E-00	1.042E-00	1.096E-00
1.01E-04---5.83E-04	C0	5.07E-01	5.884E-01	6.534E-01	6.936E-01	7.123E-01	7.394E-01	7.466E-01
2.90E-05---1.01E-04	C0	2.697E-02	2.933E-02	3.192E-02	3.284E-02	3.423E-02	3.503E-02	3.485E-02
1.07E-05---2.90E-05	C0	1.172E-02	1.000E-02	1.041E-02	1.076E-02	1.105E-02	1.122E-02	1.146E-02
3.00E-06---1.07E-05	C0	2.573E-03	2.681E-03	2.795E-03	2.910E-03	3.117E-03	3.194E-03	3.231E-03
1.12E-06---3.06E-06	C0	7.317E-03	7.611E-03	7.919E-03	8.229E-03	8.523E-03	8.782E-03	9.179E-03
4.14E-07---1.12E-06	C0	1.749E-04	1.816E-04	1.884E-04	1.948E-04	2.047E-04	2.072E-04	2.111E-04
6.0	-4.14E-07	2.533E-04	2.640E-04	2.731E-04	2.821E-04	2.906E-04	2.979E-04	3.069E-04

4 PI Ω^{**2} FLUENCE AT 500.0 METERS

THERMONUCLEAR SOURCE

(NEUTRONS/MEV/SIERRADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=-1.0000	ANGLE 2 MU=0.9894	ANGLE 3 MU=-C.9446	ANGLE 4 MU=0.8656	ANGLE 5 MU=-0.7550	ANGLE 6 MU=-C.6179	ANGLE 7 MU=-0.580	ANGLE 8 MU=0.2816	ANGLE 9 MU=-C.0950
1.22E 01---1.50E 01	-7.52E-06	-2.362E-06	-1.341E-06	1.552E-06	1.552E-06	-1.544E-06	-1.238E-06	-2.276E-06	-2.20E-06
1.00E 01---1.22E 01	1.093E-05	1.160E-05	1.476E-05	1.896E-05	2.133E-05	2.642E-05	3.720E-05	5.486E-05	5.486E-05
8.19E 00---1.00E 01	5.723E-05	5.644E-05	5.578E-05	5.397E-05	5.778E-05	5.431E-05	6.124E-05	7.557E-05	9.742E-05
6.36E 00---8.19E 00	9.180E-05	9.136E-05	8.994E-05	8.871E-05	9.014E-05	9.665E-05	1.102E-04	1.315E-04	1.597E-04
4.97E 00---6.36E 00	1.749E-04	1.744E-04	1.747E-04	1.744E-04	1.747E-04	2.050E-04	2.448E-04	3.231E-04	4.779E-04
4.07E 00---4.97E 00	3.360E-04	3.360E-04	3.398E-04	3.472E-04	3.608E-04	4.050E-04	4.369E-04	5.317E-04	5.317E-04
3.01E 00---4.07E 00	4.796E-04	4.796E-04	4.797E-04	4.812E-04	4.859E-04	4.964E-04	5.157E-04	5.478E-04	5.989E-04
2.46E 00---3.01E 00	9.102E-04	9.131E-04	9.131E-04	9.131E-04	9.326E-04	9.569E-04	1.001E-03	1.075E-03	1.197E-03
2.35E 00---2.46E 00	1.344E-03	1.346E-03	1.355E-03	1.377E-03	1.419E-03	1.490E-03	1.604E-03	1.779E-03	2.038E-03
1.83E 00---2.35E 00	1.545E-03	1.569E-03	1.569E-03	1.610E-03	1.676E-03	1.778E-03	1.925E-03	2.032E-03	2.417E-03
1.11E 00---1.83E 00	2.775E-03	2.764E-03	2.823E-03	2.900E-03	3.018E-03	3.189E-03	3.423E-03	3.735E-03	4.143E-03
5.54E-01---1.11E 00	8.663E-03	8.663E-03	8.663E-03	8.663E-03	9.049E-03	9.906E-03	1.058E-02	1.264E-02	1.474E-02
1.11E-01---5.50E-01	2.949E-02	2.957E-02	2.991E-02	3.057E-02	3.151E-02	3.280E-02	3.445E-02	3.651E-02	3.902E-02
3.35E-02---1.11E-01	4.133E-01	4.142E-01	4.178E-01	4.246E-01	4.344E-01	4.474E-01	4.637E-01	4.835E-01	5.667E-01
5.83E-04---3.35E-02	4.501E-01	4.542E-01	4.592E-01	4.653E-01	4.792E-01	4.928E-01	5.124E-01	5.322E-01	5.779E-01
1.01E-04---5.83E-02	3.232E-01	3.237E-01	3.237E-01	3.261E-01	3.304E-01	3.365E-01	3.446E-01	3.665E-01	3.801E-01
2.90E-05---1.01E-04	1.566E-02	1.569E-02	1.580E-02	1.600E-02	1.629E-02	1.668E-02	1.715E-02	1.771E-02	1.835E-02
1.07E-05---2.90E-05	4.976E-02	4.984E-02	5.019E-02	5.084E-02	5.175E-02	5.296E-02	5.465E-02	5.622E-02	5.825E-02
3.06E-06---1.07E-05	1.471E-03	1.474E-03	1.484E-03	1.503E-03	1.530E-03	1.565E-03	1.608E-03	1.659E-03	1.718E-03
1.12E-06---3.06E-06	4.240E-03	4.247E-03	4.276E-03	4.329E-03	4.404E-03	4.504E-03	4.626E-03	4.770E-03	4.935E-03
4.14E-07---1.12E-06	9.969E-03	9.924E-03	9.990E-03	1.011E-03	1.029E-03	1.051E-03	1.079E-03	1.112E-03	1.150E-03
0.0 ---4.14E-07	1.550E-04	1.552E-04	1.561E-04	1.579E-04	1.633E-04	1.635E-04	1.674E-04	1.720E-04	1.773E-04

346

ENERGY GROUP (MEV)	ANGLE 11 MU=0.950	ANGLE 12 MU=0.2810	ANGLE 13 MU=0.6179	ANGLE 14 MU=0.7550	ANGLE 15 MU=0.9446	ANGLE 16 MU=0.9446	SCALAR
1.22E 01---1.50E 01	1.081E-05	2.483E-05	4.033E-05	1.164E-05	3.268E-04	9.939E-04	2.672E-03
1.00E 01---1.22E 01	7.781E-05	1.035E-04	1.347E-04	1.885E-04	6.143E-04	1.339E-03	3.181E-03
8.19E 00---1.00E 01	1.278E-04	1.582E-04	2.017E-04	2.713E-04	7.713E-04	1.601E-03	3.826E-03
6.36E 00---8.19E 00	1.946E-04	2.376E-04	3.048E-04	4.121E-04	1.060E-03	1.755E-03	5.171E-03
4.97E 00---6.36E 00	3.812E-04	4.581E-04	5.741E-04	7.655E-04	1.115E-03	1.755E-03	8.647E-03
4.07E 00---4.97E 00	6.65E-04	7.132E-04	8.796E-04	1.150E-03	1.604E-03	2.400E-03	1.095E-02
3.01E 00---4.07E 00	1.275E-03	1.944E-03	2.124E-03	2.800E-03	5.212E-03	8.832E-03	1.324E-02
2.46E 00---3.01E 00	1.387E-03	1.661E-03	2.130E-03	2.892E-03	5.866E-03	9.659E-03	2.970E-02
2.35E 00---2.46E 00	2.420E-03	2.986E-03	3.632E-03	5.121E-03	7.198E-03	1.072E-02	3.436E-02
1.83E 00---2.35E 00	4.806E-03	5.339E-03	5.071E-03	5.571E-03	6.822E-03	1.274E-02	2.976E-02
1.11E 00---1.83E 00	4.674E-03	5.373E-03	6.287E-03	7.509E-03	9.158E-03	1.474E-02	3.488E-02
5.50E-01---1.11E 00	1.433E-02	1.608E-02	1.857E-02	2.182E-02	2.644E-02	3.171E-02	7.116E-02
1.11E-01---5.50E-01	4.221E-02	4.558E-02	4.984E-02	5.462E-02	6.010E-02	6.604E-02	6.000E-02
3.35E-02---1.11E-01	5.307E-01	5.651E-01	5.959E-01	6.325E-01	6.670E-01	7.302E-01	7.910E-02
5.83E-04---3.35E-02	5.484E-01	5.828E-01	6.032E-01	6.337E-01	6.567E-01	6.822E-01	6.669E-02
1.01E-04---5.83E-04	3.814E-01	4.158E-01	4.497E-01	4.818E-01	4.644E-01	4.927E-01	4.964E-02
2.90E-05---1.01E-04	4.674E-03	1.931E-02	2.144E-02	2.230E-02	2.295E-02	2.384E-02	2.595E-03
1.07E-05---2.90E-05	6.041E-02	6.299E-02	6.815E-02	7.059E-02	7.280E-02	7.450E-02	7.593E-03
3.06E-06---1.07E-05	1.784E-03	1.854E-03	2.003E-03	2.073E-03	2.135E-03	2.183E-03	2.237E-04
1.12E-06---3.06E-06	5.119E-03	5.317E-03	5.523E-03	5.729E-03	5.924E-03	6.227E-03	6.355E-04
4.14E-07---1.12E-06	1.191E-04	1.236E-04	1.283E-04	1.329E-04	1.411E-04	1.498E-04	1.493E-04
0.0 ---4.14E-07	1.831E-04	1.894E-04	1.958E-04	2.022E-04	2.082E-04	2.174E-04	2.198E-04

2.254E-05

4 PI R**2 FLUENCE AT 600.0 METERS

THERMNUCLEAR SOURCE

(NEUTRONS/MEV/STERIAN/SOURCE NEUTRIN)

ENERGY GROUP (MEV)	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
MU=-1.000C	MU=-C.9894	MU=-0.9446	MU=-0.8650	MU=-0.7550	MU=-0.6179	MU=-0.4580	MU=-C.2616	MU=-C.6950	MU=-C.6950
1.22E 01---1.50E C1	-5.47E-06	-1.364E-06	9.347E-06	2.977E-06	8.315E-05	-5.794E-07	1.781E-05	1.781E-05	1.781E-05
1.61E 01---1.22E 01	6.614E-U6	7.622E-U6	8.675E-U6	1.067E-U5	1.215E-U5	1.697E-05	2.45E-C5	3.569E-C5	3.569E-C5
8.19E 01---1.00E 01	3.666E-05	3.655E-05	3.609E-05	3.535E-05	3.503E-05	4.171E-05	5.2CE-U5	6.6775E-C5	6.6775E-C5
6.36E 00---8.19E CC	6.498E-05	6.381E-05	6.314E-04	6.474E-05	6.006E-05	8.606E-05	9.683E-05	1.182E-04	1.182E-04
4.97E J0---6.36E C1	1.316E-04	1.315E-04	1.314E-04	1.336E-04	1.411E-04	1.561E-04	1.792E-04	2.097E-04	2.467E-C4
4.07E 00---4.97E 00	2.575E-04	2.589E-04	2.644E-04	2.746E-04	2.890E-04	3.080E-04	3.323E-04	3.636E-04	4.049E-C4
3.01E 00---4.27E C0	3.567E-04	3.566E-04	3.567E-04	3.578E-04	3.614E-04	3.694E-C4	3.841E-04	4.074E-C4	4.074E-C4
2.46E 00---3.01E 00	6.585E-04	6.591E-04	6.620E-04	6.683E-04	6.860E-04	7.010E-04	7.375E-04	8.554E-04	8.554E-04
2.35E 00---2.46E 00	9.793E-04	9.815E-04	9.913E-04	1.013E-03	1.051E-03	1.112E-03	1.208E-03	1.350E-03	1.560E-03
1.83E 00---2.35E C0	1.185E-03	1.181E-03	1.202E-03	1.235E-03	1.289E-03	1.377E-03	1.487E-03	1.650E-C3	1.873E-C3
1.11E 00---1.83E C0	2.110E-03	2.117E-03	2.147E-03	2.205E-03	2.296E-03	2.425E-03	2.602E-03	2.837E-03	3.143E-C3
5.5CE-01---1.11E C0	6.591E-03	6.591E-03	6.685E-03	6.868E-03	7.142E-03	7.529E-03	8.047E-03	8.729E-C3	9.612E-C3
1.11E-01---5.50E-01	2.244E-02	2.250E-02	2.276E-02	2.326E-02	2.397E-02	2.494E-02	2.618E-02	2.777E-02	2.959E-02
3.35E-02---1.35E-01	2.949E-01	2.955E-C1	3.151E-C1	3.179E-01	3.219E-01	3.278E-01	3.421E-01	3.478E-01	3.578E-01
5.83E-04---3.35E-C2	3.157E-C1	3.157E-C1	3.179E-01	3.219E-01	3.278E-01	3.325E-01	3.449E-01	3.560E-01	3.690E-01
1.01E-04---5.83E-04	2.232E-01	2.236E C1	2.251E 01	2.279E 01	2.319E 01	2.372E C1	2.436E J1	2.513E G1	2.601b C1
2.90E-05---1.01E-04	1.073E 02	1.075E 02	1.095E 02	1.095E 02	1.138E 02	1.168E 02	1.244E 02	1.295E 02	1.343E 02
1.07E-05---2.90E-05	3.393E 02	3.398E 02	3.411E 02	3.463E 02	3.522E 02	3.599E 02	3.694E 02	3.807E 02	3.935E 02
3.06E-07---1.07E-05	9.999E 02	1.0008E 03	1.0020E 03	1.0020E 03	1.0020E 03	1.066E 03	1.088E 03	1.121E 03	1.158E 03
1.12E-06---3.06E-06	2.878E 03	2.883E 03	2.901E 03	2.936E 03	2.985E 03	3.049E 03	3.127E 03	3.220E 03	3.326E 03
4.14E-07---1.12E-06	6.730E 03	6.740E 03	6.784E 03	6.863E 03	6.976E 03	7.124E 03	7.518E 03	7.761E 03	8.066E 03
0.0 ---4.14E-07	1.054E 04	1.056E 04	1.062E 04	1.073E 04	1.093E 04	1.111E 04	1.136E 04	1.166E 04	1.201E 04
ENERGY GROUP (MEV)	ANGLE 10	ANGLE 11	ANGLE 12	ANGLE 13	ANGLE 14	ANGLE 15	ANGLE 16	ANGLE 17	SCALAR FLUX
MU= C.0950	MU= C.2816	MU= C.4580	MU= C.7550	MU= C.6179	MU= C.8650	MU= C.9894	MU= C.9894	MU= C.9894	MU= C.9894
1.22E 01---1.50E C1	7.299E-06	1.449E-05	1.650E-05	2.758E-05	7.317E-05	2.200E-04	6.519E-04	4.257E-03	1.239E-03
1.00E 01---1.22E 01	5.081E-C5	6.782E-U5	8.878E-05	1.262E-04	2.134E-04	4.257E-04	9.652E-04	1.972E-03	1.972E-03
6.19E 00---1.00E 01	8.767E-01	1.114E-04	1.435E-04	1.995E-04	3.161E-04	5.757E-04	1.192E-03	4.566E-C3	7.701E-C3
6.36E 00---8.19E 00	1.445E-04	1.778E-04	2.222E-04	3.147E-04	4.841E-04	8.556E-04	1.573E-03	5.282E-C3	8.830E-03
4.97E 00---6.36E 00	2.916E-04	3.515E-04	4.43CE-04	5.969E-04	8.669E-04	1.357E-03	2.332E-U3	6.992E-03	6.462E-03
4.07E 00---4.97E 00	4.619E-04	5.454E-04	6.745E-04	9.591E-04	1.290E-03	1.804E-03	2.887E-03	4.962E-03	9.152E-C3
3.01E 00---4.07E 00	5.078E-04	6.050E-04	7.455E-04	9.591E-04	1.290E-03	1.876E-03	2.679E-03	5.467E-C3	9.499E-03
2.46E 00---3.01E 00	1.046E-03	1.046E-03	1.027E-03	2.169E-03	3.633E-03	4.485E-03	7.272E-03	1.982E-02	2.249E-02
2.35E 00---2.46E 00	1.866E-03	1.866E-03	1.993E-C3	4.034E-C3	5.693E-03	7.07E-03	9.469E-02	1.418E-02	1.436E-02
1.83E 00---2.35E C0	2.178E-03	2.592E-03	3.158E-03	5.942E-03	5.054E-03	6.707E-03	9.449E-03	1.919E-02	3.698E-02
1.11E 00---1.83E 00	3.540E-03	4.055E-03	4.730E-03	5.597E-03	6.749E-03	8.295E-03	1.048E-02	1.542E-02	5.248E-02
5.50E-01---1.11E C0	1.075E-02	1.220E-02	1.466E-02	1.643E-02	1.946E-02	2.888E-02	3.892E-02	4.136E-01	1.548E-01
1.11E-01---5.50E-01	3.182E-02	3.445E-02	3.749E-02	4.093E-02	4.470E-02	5.257E-02	5.601E-C2	6.136E-01	6.136E-01
3.35E-02---1.11E-01	3.758E-01	3.948E-01	4.162E-01	4.381E-C1	4.602E-01	4.971E-01	5.076E-01	4.741E-01	4.741E-01
5.83E-04---3.35E-02	3.852E-L1	3.981E-C1	4.155E-C1	4.313E-01	4.475E-01	4.610E-01	4.722E-C1	4.812E-01	4.812E-01
1.01E-04---5.83E-04	2.795E U1	2.717E 01	2.915E 01	3.018E 01	3.127E C1	3.289E 01	3.390E 01	3.384E C2	3.384E C2
2.90E-05---1.01E-04	1.284E 02	1.340E 02	1.387E 02	1.446E 02	1.486E 02	1.528E 02	1.560E 02	1.616E 02	1.616E 02
1.07E-05---2.90E-05	4.080E 02	4.229E 02	4.390E 02	4.547E 02	4.697E 02	4.828E 02	4.929E 02	5.116E 03	5.116E 03
3.06E-06---1.07E-05	1.199E 03	1.244E 03	1.290E 03	1.336E 03	1.379E 03	1.416E 03	1.445E 03	1.503E C4	1.503E C4
1.12E-06---3.06E-06	3.443E 03	3.568E 03	3.697E 03	3.826E 03	3.947E 03	4.052E 03	4.132E 03	4.312E C4	4.312E C4
4.14E-07---1.12E-06	8.029E 03	8.315E 03	8.612E 03	8.966E 03	9.181E 03	9.420E 03	9.602E 03	9.710E 03	1.005E 05
0.0 ---4.14E-07	1.239E 04	1.279E 04	1.322E 04	1.362E 04	1.400E 04	1.434E 04	1.459E 04	1.474E 04	1.551E 05

4 Al R**2 FLUENCE AT 900.0 METERS

THERMONUCLEAR SOURCE

(NEUTRONS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 $\mu = -0.1000$	ANGLE 2 $\mu = -0.9894$	ANGLE 3 $\mu = -0.9446$	ANGLE 4 $\mu = -0.8656$	ANGLE 5 $\mu = -0.7550$	ANGLE 6 $\mu = -0.6179$	ANGLE 7 $\mu = -0.4585$	ANGLE 8 $\mu = -0.2816$	ANGLE 9 $\mu = -0.0937$
1.22E 01---1.50E 01	-9.93E-07	-8.066E-07	-2.148E-07	2.344E-07	5.740E-07	1.356E-07	-1.741E-07	-5.271E-09	5.955E-07
1.00E 01---1.22E 01	1.303E-06	1.503E-06	1.963E-06	2.566E-06	2.915E-06	3.281E-06	4.081E-06	5.668E-06	8.550E-06
8.19E 00---1.00E 01	8.862E-06	9.004E-06	9.344E-06	9.348E-06	9.348E-06	1.034E-05	1.177E-05	2.010E-05	2.193E-05
6.36E 00---8.19E 00	2.051E-05	2.037E-05	2.045E-05	2.134E-05	2.361E-05	2.775E-05	3.391E-05	4.193E-05	5.564E-05
4.97E 00---6.36E 00	4.906E-05	4.988E-05	4.924E-05	5.042E-05	5.369E-05	5.978E-05	6.888E-05	8.071E-05	9.564E-05
4.07E 00---4.97E 00	9.989E-05	9.989E-05	9.938E-05	9.938E-05	9.938E-05	1.021E-04	1.021E-04	1.021E-04	1.053E-04
3.01E 00---4.07E 00	1.294E-04	1.294E-04	1.295E-04	1.295E-04	1.299E-04	1.313E-04	1.343E-04	1.398E-04	1.491E-04
2.46E 00---3.01E 00	2.245E-04	2.245E-04	2.265E-04	2.265E-04	2.299E-04	2.358E-04	2.457E-04	2.621E-04	2.881E-04
2.35E 00---2.46E 00	3.395E-04	3.409E-04	3.467E-04	3.467E-04	3.585E-04	3.775E-04	4.064E-04	4.490E-04	5.993E-04
1.83E 00---2.35E 00	4.531E-04	4.531E-04	4.629E-04	4.629E-04	4.777E-04	5.009E-04	5.350E-04	5.829E-04	6.491E-04
1.11E 00---1.83E 00	8.011E-04	8.038E-04	8.152E-04	8.152E-04	8.375E-04	8.716E-04	9.205E-04	9.867E-04	1.074E-04
5.50E-01---1.11E 00	2.455E-03	2.455E-03	2.504E-03	2.504E-03	2.574E-03	2.680E-03	2.827E-03	3.023E-03	3.280E-03
1.11E-01---5.50E-01	8.421E-03	8.444E-03	8.541E-03	8.541E-03	8.722E-03	8.985E-03	9.340E-03	9.791E-03	1.035E-02
3.35E-02---1.11E-01	1.009E-01	1.011E-01	1.019E-01	1.019E-01	1.033E-01	1.054E-01	1.081E-01	1.156E-01	1.202E-01
5.83E-04---3.35E-02	1.046E-01	1.047E-01	1.054E-01	1.054E-01	1.066E-01	1.084E-01	1.106E-01	1.134E-01	1.203E-01
1.01E-04---5.83E-04	7.221E-04	7.232E-04	7.276E-04	7.276E-04	7.556E-04	7.471E-04	7.621E-04	7.803E-04	8.016E-04
2.9CE-05---1.01E-04	3.413E-04	3.413E-04	3.438E-04	3.438E-04	3.475E-04	3.527E-04	3.595E-04	3.678E-04	3.775E-04
1.07E-05---2.90E-05	1.063E-02	1.067E-02	1.073E-02	1.073E-02	1.084E-02	1.101E-02	1.122E-02	1.148E-02	1.178E-02
3.06E-06---1.07E-05	3.099E-02	3.096E-02	3.114E-02	3.114E-02	3.147E-02	3.193E-02	3.254E-02	3.415E-02	3.512E-02
1.12E-06---3.06E-06	8.860E-02	8.860E-02	8.812E-02	8.812E-02	8.955E-02	9.087E-02	9.464E-02	9.978E-02	1.030E-02
4.14E-07---1.12E-06	2.038E-03	2.041E-03	2.053E-03	2.053E-03	2.074E-03	2.104E-03	2.143E-03	2.190E-03	2.245E-03
0.0 ---4.14E-07	3.159E-03	3.163E-03	3.18CE-03	3.18CE-03	3.211E-03	3.254E-03	3.309E-03	3.375E-03	3.540E-03
ENERGY GROUP (MEV)	ANGLE 11 $\mu = 0.095L$	ANGLE 12 $\mu = 0.4580$	ANGLE 13 $\mu = 0.6179$	ANGLE 14 $\mu = 0.7550$	ANGLE 15 $\mu = 0.8856$	ANGLE 16 $\mu = 0.9446$	ANGLE 17 $\mu = 0.9894$	SCALAR FLUX	
1.22E 01---1.50E 01	1.889E-06	4.249E-06	4.724E-06	5.038E-05	6.089E-05	1.247E-04	2.766E-04	5.311E-04	2.585F-04
1.0CE 01---1.22E 01	1.717E-05	2.273E-05	3.421E-05	6.089E-05	6.089E-05	1.207E-04	4.273E-04	5.110E-04	5.110E-04
8.19E 00---1.00E 01	2.644E-05	3.425E-05	4.531E-05	6.568E-05	1.160E-04	2.070E-04	4.273E-04	6.334E-04	6.334E-04
6.36E 00---8.19E 00	6.883E-05	6.883E-05	6.512E-05	1.752E-04	1.221E-04	3.478E-04	5.373E-04	1.944E-03	1.399E-03
4.97E 00---6.36E 00	1.128E-04	1.372E-04	2.616E-04	3.498E-04	4.653E-04	6.640E-04	8.036E-04	2.4C8E-03	3.3C8E-03
4.07E 00---4.97E 00	1.778E-04	2.11CE-04	3.498E-04	3.498E-04	4.451E-04	5.933E-04	8.098E-04	1.233E-03	2.205E-03
3.01E 00---4.07E 00	1.862E-04	2.197E-04	2.693E-04	3.414E-04	4.636E-04	6.178E-04	8.640E-04	1.517E-03	2.586E-03
2.46E 00---3.01E 00	3.906E-04	4.826E-04	6.245E-04	6.245E-04	1.202E-03	2.363E-03	3.577E-03	5.758E-03	8.125E-03
2.35E 00---2.46E 00	7.276E-04	9.165E-04	1.202E-03	1.202E-03	1.547E-03	1.958E-03	2.532E-03	3.378E-03	5.278E-03
1.83E 00---2.35E 00	8.610E-04	1.125E-03	1.247E-03	1.247E-03	1.588E-03	1.958E-03	2.396E-03	3.366E-03	4.053E-03
1.11E 00---1.83E 00	1.331E-03	1.514E-03	1.745E-03	1.745E-03	2.035E-03	2.396E-03	2.855E-03	3.666E-03	4.666E-03
5.50E-01---1.11E 00	4.027E-03	5.553E-03	5.211E-03	6.025E-03	7.016E-03	8.199E-03	9.566E-03	1.120E-02	1.624E-02
1.11E-01---5.50E-01	1.181E-02	1.472E-02	1.375E-02	1.481E-02	1.605E-02	1.721E-02	1.823E-02	1.893E-02	1.517E-02
3.35E-02---1.11E-01	1.251E-01	1.310E-01	1.369E-01	1.299E-01	1.486E-01	1.537E-01	1.576E-01	1.666E-01	1.574E-01
5.83E-04---3.35E-02	1.276E-04	1.276E-04	1.286E-04	1.286E-04	1.330E-04	1.373E-04	1.447E-04	1.473E-04	1.625E-02
1.01E-04---5.83E-04	8.518E-04	8.518E-04	8.798E-04	8.798E-04	9.081E-04	9.399E-04	9.616E-04	9.836E-04	1.010E-02
2.90E-05---1.01E-04	4.004E-01	4.129E-01	4.257E-01	4.382E-01	4.497E-01	4.595E-01	4.669E-01	4.712E-01	5.006E-02
1.07E-05---2.90E-05	1.249E-02	1.288E-02	1.328E-02	1.366E-02	1.442E-02	1.453E-02	1.455E-02	1.469E-02	1.562E-02
3.06E-06---1.07E-05	3.618E-02	3.729E-02	3.843E-02	3.944E-02	4.055E-02	4.142E-02	4.208E-02	4.246E-02	4.523E-02
1.12E-06---3.06E-06	1.027E-03	1.059E-03	1.050E-03	1.121E-03	1.150E-03	1.174E-03	1.193E-03	1.2C3E-03	1.285E-02
4.14E-07---1.12E-06	2.315E-03	2.446E-03	2.519E-03	2.589E-03	2.653E-03	2.709E-03	2.750E-03	2.774E-03	2.969E-04
0.0 ---4.14E-07	3.035E-03	3.736E-03	3.838E-03	3.937E-03	4.028E-03	4.104E-03	4.161E-03	4.194E-03	4.547E-04

THERMONUCLEAR SOURCE

NEUTRINOS/MYSTERIANS/SOURCE NEUTRON)

4 PI R**2 FLUENCE AT 1500.0 METERS

THERMNUCLEAR SOURCE

(NEUTRONS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=-0.0000	ANGLE 2 MU=-C.9894	ANGLE 3 MU=-C.9446	ANGLE 4 MU=-0.8656	ANGLE 5 MU=-C.7550	ANGLE 6 MU=-0.6179	ANGLE 7 MU=-0.4580	ANGLE 8 MU=-0.2816	ANGLE 9 MU=-C.6950
1.22E 01---1.50E 01	-3.03E-08	-2.451E-C8	-5.685E-C9	9.633E-09	1.866E-08	-3.068E-09	5.225E-09	2.819E-07	3.799E-C8
1.00E 01---1.22E 01	4.934E-08	5.727E-08	8.451E-08	1.65E-07	1.368E-07	1.532E-07	1.910E-07	4.375E-07	4.375E-07
8.19E 00---1.00E 01	4.313E-07	4.404E-07	4.716E-07	5.097E-07	5.464E-07	6.058E-07	7.356E-07	9.843E-C7	1.366E-06
6.36E 00---8.19E 00	1.630E-C6	1.636E-C6	1.645E-06	1.689E-06	1.815E-06	2.077E-06	2.517E-06	3.151E-06	3.375E-06
4.97E 00---6.36E 00	5.159E-06	5.205E-06	5.374E-06	5.745E-06	6.467E-06	7.471E-06	8.759E-06	1.033E-05	1.033E-05
4.07E 00---4.97E 00	1.07E-05	1.076E-05	1.076E-05	1.076E-05	1.136E-C5	1.193E-05	1.269E-05	1.368E-05	1.677E-05
3.01E 00---4.07E 00	1.306E-05	1.306E-05	1.306E-05	1.306E-05	1.312E-05	1.327E-05	1.359E-05	1.418E-05	1.666E-05
2.46E 00---3.01E 00	2.116E-05	2.121E-05	2.188E-05	2.381E-05	2.264E-05	2.389E-05	2.584E-05	2.887E-C5	3.345E-05
2.35E 00---2.46E 00	3.269E-05	3.288E-05	3.368E-05	3.524E-05	3.763E-05	4.115E-05	4.619E-05	5.338E-05	6.364E-05
1.83E 00---2.35E 00	4.822E-05	4.844E-05	4.936E-05	5.115E-05	5.389E-05	5.785E-05	6.331E-05	7.077E-05	8.083E-05
1.11E 00---1.83E 00	8.486E-05	8.514E-05	8.636E-05	8.871E-05	9.231E-05	9.744E-05	1.043E-04	1.134E-04	1.449E-04
5.50E-01---1.11E 00	2.536E-04	2.584E-04	2.584E-04	2.658E-04	2.767E-04	2.920E-04	3.122E-04	3.384E-04	3.717E-04
1.11E-01---5.50E-01	8.572E-04	8.594E-04	8.691E-04	8.871E-04	9.132E-04	9.833E-04	9.925E-04	1.047E-03	1.111E-03
3.35E-02---1.11E-01	9.866E-03	9.863E-03	9.956E-03	1.009E-C2	1.028E-02	1.053E-02	1.084E-C2	1.120E-02	1.161E-C2
5.83E-04---3.35E-02	1.015E-C2	1.015E-02	1.027E-02	1.063E-02	1.087E-02	1.115E-02	1.147E-C2	1.177E-02	1.215E-02
1.01E-04---5.83E-04	6.889E-01	6.898E-C1	6.937E-01	7.008E-C1	7.108E-01	7.239E-01	7.396E-C1	7.579E-01	7.762E-01
2.90E-05---1.01E-04	3.230E-00	3.234E-00	3.251E-00	3.283E-00	3.329E-00	3.387E-00	3.458E-00	3.540E-00	3.631E-00
1.07E-05---2.90E-05	1.002E-01	1.032E-01	1.061E-01	1.098E-01	1.032E-01	1.072E-01	1.097E-01	1.025E-01	1.025E-01
3.06E-06---1.07E-05	2.882E-01	2.886E-01	2.901E-01	2.929E-01	2.968E-01	3.019E-01	3.081E-01	3.152E-01	3.231E-01
1.12E-06---3.06E-06	8.147E-01	8.157E-01	8.200E-01	8.277E-01	8.386E-01	8.588E-01	8.698E-01	9.115E-01	9.115E-01
4.14E-07---1.12E-06	1.874E-02	1.876E-02	1.886E-02	1.903E-02	1.928E-02	1.960E-02	1.999E-02	2.043E-02	2.093E-02
0.0 ---4.14E-C7	2.878E-02	2.882E-02	2.896E-02	2.921E-02	2.957E-02	3.002E-02	3.055E-02	3.117E-02	3.185E-02
ENERGY GROUP (MEV)	ANGLE 11 MU= C.0950	ANGLE 12 MU= C.2817	ANGLE 13 MU= 0.6179	ANGLE 14 MU= C.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 SCALAR FLUX	ANGLE 18 MU= 0.9894	ANGLE 19 MU= 1.032E-05
1.22E 01---1.50E 01	8.965E-06	2.156E-07	4.326E-C7	1.109E-06	2.911E-06	7.292E-06	2.279E-05	1.032E-05	2.867E-05
1.00E 01---1.22E 01	6.433E-07	1.253E-06	2.618E-06	3.845E-06	8.059E-06	1.742E-05	4.457E-05	2.867E-05	7.066E-05
8.19E 00---1.00E 01	1.862E-C6	2.495E-C6	3.486E-06	5.467E-06	9.865E-06	1.944E-05	3.994E-05	9.774E-05	1.774E-05
6.36E 00---8.19E 00	5.021E-06	6.914E-06	8.914E-06	1.347E-05	2.228E-05	3.904E-05	7.076E-05	1.464E-04	2.556E-04
4.97E 00---6.36E 00	1.234E-05	1.519E-05	2.176E-05	3.957E-05	5.907E-05	9.299E-05	1.573E-05	2.955E-04	3.361E-04
4.07E 00---4.97E 00	1.927E-05	2.294E-05	2.845E-05	3.668E-05	4.892E-05	6.675E-05	9.193E-05	1.295E-05	3.010E-04
3.01E 00---4.07E 00	1.891E-05	2.213E-05	2.686E-05	3.315E-05	4.157E-05	5.230E-05	6.115E-05	7.932E-05	8.125E-04
2.46E 00---3.01E 00	5.031E-05	5.054E-05	6.589E-05	8.904E-C5	1.2457E-04	1.797E-04	2.688E-04	4.518E-04	8.125E-04
2.35E 00---2.46E 00	7.645E-C5	1.004E-C4	1.341E-04	1.876E-04	2.758E-04	4.267E-04	7.018E-04	1.395E-03	1.805E-L3
1.83E 00---2.35E 00	9.444E-05	1.124E-04	1.363E-04	1.679E-04	2.089E-04	2.618E-04	3.284E-04	4.63E-04	7.463E-C3
1.11E 00---1.83E 00	3.95E-04	5.776E-04	7.79E-04	2.066E-04	2.376E-04	2.719E-04	3.060E-04	3.330E-04	4.912E-03
5.50E 01---5.00E 01	4.133E-04	6.647E-04	5.273E-04	6.019E-C4	6.879E-04	7.818E-04	8.747E-04	9.467E-04	5.619E-03
1.11E 01---5.50E 01	1.187E-03	1.272E-03	1.366E-03	1.4666E-03	1.5666E-03	1.737E-03	1.737E-03	1.511E-C2	1.511E-C2
3.35E 02---1.11E 01	1.266E-02	1.255E-02	1.305E-02	1.354E-02	1.400E-02	1.440E-02	1.470E-02	1.488E-02	1.510E-01
5.83E 02---3.35E 02	1.181E-02	1.217E-02	1.254E-02	1.289E-C2	1.321E-02	1.368E-02	1.368E-02	1.380E-C2	1.476E-01
1.01E 04---5.83E 04	8.003E-01	8.233E-01	8.466E-01	8.687E-C1	8.888E-01	9.059E-01	9.185E-01	9.259E-01	9.995E-GG
2.90E 05---1.01E 04	3.730E 00	3.832E 00	3.935E 00	4.034E 00	4.123E 00	4.198E 00	4.254E 00	4.286E 00	4.658E C1
1.07E 05---2.90E 05	1.156E 01	1.187E 01	1.219E 01	1.249E 01	1.276E 01	1.299E 01	1.316E 01	1.326E 01	1.443E C2
3.06E 06---1.07E 05	3.317E 01	3.405E 01	3.494E 01	3.580E 01	3.657E 01	3.721E 01	3.769E 01	3.797E 01	4.142E C2
1.12E 06---3.06E 06	9.351E 01	9.596E 01	9.842E 01	1.008E 02	1.029E 02	1.047E 02	1.060E 02	1.066E C2	1.168E C3
4.14E 07---1.12E 06	2.146E 02	2.251E 02	2.257E 02	2.309E 02	2.357E 02	2.427E 02	2.444E 02	2.460E 02	2.600E 03
0.0 ---4.14E-07	3.259E 02	3.337E 02	3.414E 02	3.488E 02	3.554E 02	3.609E 02	3.648E 02	3.671E 02	4.073E 03

4 PI R**2 FLUENCE AT 1800.0 METERS

THERMNUCLEAR SOURCE

(NEUTRONS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8
	MU=+0.9894	MU=-0.9446	MU=-0.8656	MU=-0.7556	MU=-0.6179	MU=-0.4580	MU=-0.2816	MU=-0.0950
1.22E 01---1.50E 01	-5.24E-09	-4.216E-10	1.822E-09	3.207E-09	9.212E-10	-2.573E-11	8.096E-09	8.579E-09
1.00E 01---1.22E 01	8.82GE-09	1.671E-08	2.380E-08	2.812E-08	3.139E-08	3.918E-08	5.664E-08	9.436E-08
8.19E 00---1.00E 01	9.34E-08	1.C32E-07	1.153E-07	1.259E-07	1.411E-07	1.736E-07	2.372E-07	3.461E-07
6.36E 00---b.19E CG	4.374E-07	4.381E-07	4.429E-07	4.593E-07	5.001E-07	5.800E-07	7.113E-07	8.995E-07
4.97E 00---6.36E 00	1.557E-06	1.575E-06	1.631E-06	1.756E-06	1.971E-06	2.218E-06	2.671E-06	3.155E-06
4.07E 00---4.97E 00	3.261E-06	3.299E-06	3.456E-06	3.626E-06	3.856E-06	4.057E-06	4.557E-06	5.098E-06
3.01E 00---4.07E 00	3.886E-06	3.887E-06	3.890E-06	3.907E-06	3.953E-06	4.051E-06	4.238E-06	4.520E-06
2.40E 00---3.01E 00	6.202E-06	6.272E-06	6.415E-06	6.656E-06	6.959E-06	7.044E-06	7.579E-06	8.988E-06
2.35E UC---2.49E CG	9.619E-06	9.679E-06	9.933E-06	1.042E-05	1.116E-05	1.225E-05	1.380E-05	1.601E-05
1.83E 00---2.35E CG	1.452E-05	1.458E-05	1.488E-05	1.544E-05	1.629E-05	1.751E-05	1.919E-05	2.148E-05
1.11E 00---1.83E 00	2.559E-05	2.604E-05	2.675E-05	2.783E-05	2.783E-05	3.145E-05	3.416E-05	3.762E-05
5.50E-01---1.11E CG	7.592E-05	7.736E-05	7.956E-05	8.285E-05	8.743E-05	9.346E-05	1.013E-05	1.111E-04
1.11E-01---5.50E-01	2.548E-04	2.555E-04	2.584E-04	2.637E-04	2.714E-04	2.817E-04	2.947E-04	3.166E-04
1.35E-02---1.11E-C1	2.914E-03	<.919E-03	2.941E-03	2.979E-03	3.035E-03	3.107E-03	3.196E-03	3.419E-03
5.83E-04---3.35E-C2	2.974E-03	2.995E-03	3.027E-03	3.072E-03	3.130E-03	3.192E-03	3.282E-03	3.373E-03
1.01E-04---5.83E-U4	2.028E-01	2.031E-01	2.042E-01	2.063E-01	2.092E-01	2.129E-01	2.175E-01	2.286E-01
2.90E-05---1.01E-04	9.513E-01	9.564E-01	9.656E-01	9.787E-01	9.956E-01	1.016E-01	1.039E-01	1.066E-01
1.07E-05---2.90E-U5	2.994E-00	2.996E-00	2.993E-00	3.005E-00	3.005E-00	3.005E-00	3.022E-00	3.300E-00
3.00E-06---1.07E-U5	8.467E-00	8.477E-00	8.522E-00	8.662E-00	8.715E-00	8.862E-00	9.038E-00	9.4489E-00
1.12E-06---1.06E-U6	2.392E-01	2.395E-01	2.407E-01	2.429E-01	2.461E-01	2.501E-01	2.550E-01	2.669E-01
4.14E-07---1.12E-06	5.498E-01	5.504E-01	5.532E-01	5.582E-01	5.653E-01	5.745E-01	5.856E-01	5.983E-01
0.0 ---4.14E-C7	8.436E-01	8.446E-01	8.487E-01	8.561E-01	8.663E-01	8.791E-01	8.944E-01	9.120E-01
								9.314E-01
ENERGY GROUP (MEV)	ANGLE 10	ANGLE 11	ANGLE 12	ANGLE 13	ANGLE 14	ANGLE 15	ANGLE 16	ANGLE 17
	MU= C.0930	MU= C.2616	MU= 0.4580	MU= 0.6179	MU= 0.7550	MU= 0.9446	MU= 0.9894	SCALAR FLUX
1.22E 01---1.50E 01	1.802E-08	2.666E-08	4.525E-08	9.335E-08	2.357E-07	6.624E-07	1.455E-06	1.999E-06
1.00E 01---1.22E 01	1.374E-07	1.928E-07	2.783E-07	4.099E-07	9.024E-07	1.900E-06	4.07E-06	6.460E-06
8.19E 00---1.00E 01	4.664E-07	6.360E-07	9.10CE-07	1.479E-06	5.496E-06	1.125E-05	1.508E-05	1.572E-05
6.36E 00---8.19E CG	1.461E-06	1.915E-06	2.685E-06	4.142E-06	6.046E-06	1.222E-05	2.106E-05	4.228E-05
4.97E 00---6.36E 00	3.772E-06	4.661E-06	6.072E-06	8.402E-06	1.222E-05	1.835E-05	2.192E-05	4.399E-05
4.07E 00---4.97E 00	5.867E-06	6.986E-06	8.648E-06	1.111E-05	1.460E-05	1.974E-05	2.667E-05	3.5C2E-05
3.01E 00---4.07E 00	1.207E-06	1.518E-06	1.982E-05	2.680E-05	3.737E-05	5.357E-05	7.814E-05	1.020E-05
2.46E 00---3.01E 00	1.207E-06	1.518E-06	1.982E-05	2.680E-05	3.737E-05	5.357E-05	7.814E-05	1.236E-04
2.35E 00---2.46E 00	2.372E-05	3.049E-05	4.095E-05	5.774E-05	8.559E-05	1.335E-04	2.200E-04	4.162E-04
1.83E 00---2.35E 00	2.867E-05	3.416E-05	4.14CE-05	5.074E-05	7.292E-05	7.804E-05	9.611E-05	1.164E-04
1.11E 00---1.83E 00	4.195E-05	4.732E-05	5.385E-05	6.161E-05	7.647E-05	7.998E-05	8.905E-05	9.581E-05
5.50E 01---1.11E 00	1.234E-04	1.368E-04	1.568E-04	1.783E-04	2.027E-04	2.286E-04	2.533E-04	2.716E-04
1.11E 01---5.50E 01	3.513E-04	3.760E-04	4.331E-04	4.600E-04	4.862E-04	5.014E-04	5.264E-04	5.465E-04
3.35E 02---1.11E-C1	3.55CE-03	3.669E-03	3.831E-03	3.972E-03	4.213E-03	4.298E-03	4.347E-03	4.446E-03
5.84E-04---3.35E-C2	3.472E-03	3.675E-03	3.678E-03	3.869E-03	3.869E-03	3.945E-03	4.022E-03	4.335E-03
1.01E 04---5.83E-C4	2.349E-01	2.444E-01	2.48CE-01	2.543E-01	2.640E-01	2.684E-01	2.755E-01	2.993E-01
2.90E-05---1.01E-C4	1.094E-00	1.123E-00	1.152E-00	1.180E-00	1.205E-00	1.242E-00	1.251E-00	1.3665E-01
1.01E 05---2.90E-05	3.387E-00	3.476E-00	3.566E-00	3.652E-00	3.729E-00	3.794E-00	3.842E-00	4.229E-01
3.06E-06---1.07E-C5	9.713E-00	9.955E-00	1.022E-01	1.046E-01	1.068E-01	1.099E-01	1.127E-01	1.213E-02
1.12E-06---3.06E-06	2.737E-01	2.806E-01	2.876E-01	2.942E-01	3.002E-01	3.089E-01	3.119E-01	3.417E-02
4.14E-07---1.12E-C6	6.276E-01	6.533E-01	6.59CE-01	6.739E-01	6.986E-01	7.069E-01	7.117E-01	7.638E-02
6.0.0 ---4.14E-C7	9.525E-01	9.745E-01	9.965E-01	1.017E-02	1.036E-02	1.051E-02	1.062E-02	1.090E-02

4 PI R**2 FLUENCE AT 75.0 METERS

THERMONUCLEAR SOURCE

(GAMMAS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=-C 9896	ANGLE 2 MU=+C 9896	ANGLE 3 MU=-0 9446	ANGLE 4 MU=+0 8656	ANGLE 5 MU=+0 7550	ANGLE 6 MU=+0 6179	ANGLE 7 MU=+0 4580	ANGLE 8 MU=+0 2816	ANGLE 9 MU=+0 950
8.00E 00---1.00E 01	2.025E-05	2.077E-05	2.155E-05	2.277E-05	2.425E-05	2.630E-05	2.864E-05	3.273E-05	3.273E-05
6.50E 00---8.00E 00	8.645E-05	8.699E-05	8.907E-05	9.297E-05	9.847E-05	1.050E-04	1.153E-04	1.281E-04	1.455E-04
5.00E 00---6.50E 00	3.485E-04	3.464E-04	3.477E-04	3.611E-04	3.797E-04	4.037E-04	4.343E-04	4.746E-04	5.283E-04
4.00E 00---5.00E 00	1.899E-04	1.828E-04	1.828E-04	1.892E-04	2.156E-04	2.156E-04	2.156E-04	2.768E-04	3.152E-04
3.00E 00---4.00E 00	1.713E-04	1.729E-04	1.791E-04	1.894E-04	2.021E-04	2.064E-04	2.064E-04	2.554E-04	2.654E-04
2.50E 00---3.00E 00	3.504E-04	3.477E-04	3.607E-04	3.791E-04	4.036E-04	4.363E-04	4.738E-04	5.268E-04	6.000E-04
2.00E 00---2.50E 00	2.721E-04	2.798E-04	2.862E-04	3.069E-04	3.341E-04	3.632E-04	4.020E-04	4.556E-04	5.741E-04
1.66E 00---2.00E 00	3.552E-04	3.581E-04	3.682E-04	4.911E-04	5.135E-04	5.481E-04	5.997E-04	6.698E-04	7.640E-04
1.33E 00---1.66E 00	4.729E-04	4.784E-04	4.911E-04	5.135E-04	5.481E-04	5.997E-04	6.698E-04	7.640E-04	7.640E-04
1.00E 00---1.33E 00	2.886E-04	2.865E-04	2.822E-04	2.797E-04	2.855E-04	3.055E-04	3.376E-04	3.834E-04	4.422E-04
6.00E-01---1.00E 00	1.820E-04	1.770E-04	1.749E-04	1.803E-04	1.963E-04	2.022E-04	2.557E-04	2.988E-04	3.222E-04
6.00E-01---8.00E-01	4.542E-04	4.612E-04	5.259E-04	5.775E-04	6.315E-04	6.920E-04	7.726E-04	8.93E-04	9.33E-04
4.00E-01---6.00E-01	9.581E-04	9.633E-04	9.832E-04	1.020E-03	1.071E-03	1.144E-03	1.250E-03	1.406E-03	1.625E-03
3.00E-01---4.00E-01	1.231E-03	1.245E-03	1.248E-03	1.237E-03	1.217E-03	1.569E-03	1.818E-03	2.117E-03	2.436E-03
2.00E-01---3.00E-01	4.173E-03	4.190E-03	4.250E-03	4.351E-03	4.468E-03	4.702E-03	4.822E-03	4.966E-03	5.096E-03
1.00E-01---2.00E-01	8.614E-03	8.623E-03	8.658E-03	8.729E-03	8.838E-03	8.990E-03	9.189E-03	9.441E-03	9.755E-03
5.00E-02---1.00E-01	1.693E-02	1.696E-02	1.711E-02	1.726E-02	1.748E-02	1.774E-02	1.805E-02	1.841E-02	1.881E-02
2.00E-02---5.00E-02	4.609E-03	4.617E-03	4.632E-03	4.654E-03	4.682E-03	4.716E-03	4.756E-03	4.801E-03	4.801E-03
ENERGY GROUP (MEV)	ANGLE 10 MU= C 0.950	ANGLE 11 MU= C 0.4580	ANGLE 12 MU= J 0.4580	ANGLE 13 MU= G 0.6179	ANGLE 14 MU= G 0.8656	ANGLE 15 MU= G 0.7550	ANGLE 16 MU= G 0.9446	ANGLE 17 SCALAR FLUX MU= L 0.9894	
8.00E 00---1.00E 01	3.666E-05	4.762E-05	5.542E-05	6.352E-05	1.066E-04	1.526E-04	2.468E-04	6.907E-04	7.712E-04
6.50E 00---8.00E 00	1.641E-04	1.734E-04	1.763E-04	3.081E-04	3.931E-04	7.208E-04	1.284E-03	3.390E-03	3.626E-03
5.00E 00---6.50E 00	5.864E-04	7.336E-04	8.466E-04	8.588E-04	1.093E-04	2.097E-03	8.720E-03	8.637E-03	1.125E-02
4.00E 00---5.00E 00	3.548E-04	4.617E-04	5.400E-04	6.193E-04	1.036E-03	1.482E-03	2.391E-03	6.496E-03	7.422E-03
3.00E 00---4.00E 00	3.189E-04	4.000E-04	5.414E-04	6.948E-04	6.789E-04	1.017E-03	1.983E-03	4.709E-03	6.233E-03
2.50E 00---3.00E 00	1.200E-03	1.147E-03	1.147E-03	1.430E-03	1.591E-03	2.962E-03	1.346E-02	4.509E-02	4.509E-02
2.00E 00---2.50E 00	5.166E-04	6.677E-04	9.374E-04	1.0231E-03	1.214E-03	1.876E-03	3.0466E-03	8.035E-03	1.079E-02
1.66E 00---2.00E 00	6.501E-04	5.158E-03	8.938E-04	1.136E-03	1.991E-03	2.90E-03	4.660E-03	1.211E-02	1.411E-02
1.33E 00---1.66E 00	8.634E-04	1.553E-03	1.188E-03	1.518E-03	2.68CE-03	3.923E-03	6.211E-03	1.604E-02	1.890E-02
1.00E 00---1.33E 00	5.062E-04	9.60E-04	9.60E-04	1.310E-03	1.408E-03	2.178E-03	3.907E-03	8.326E-03	1.113E-02
8.00E-01---1.00E 00	3.556E-04	4.496E-04	6.177E-04	8.408E-04	1.157E-03	1.589E-03	2.130E-03	2.923E-03	6.988E-03
6.00E-01---8.00E-01	1.048E-03	1.411E-03	2.024E-03	2.664E-03	2.669E-03	3.865E-03	6.087E-03	1.429E-02	2.129E-02
4.00E-01---6.00E-01	1.908E-03	2.739E-03	3.211E-03	4.615E-03	5.719E-03	7.560E-03	1.177E-02	2.804E-02	4.91E-02
3.00E-01---4.00E-01	2.174E-03	3.430E-03	3.795E-03	4.900E-03	5.705E-03	6.922E-03	1.604E-02	2.804E-02	4.91E-02
2.00E-01---3.00E-01	5.414E-03	5.81E-03	6.277E-03	6.908E-03	7.008E-03	7.008E-03	1.097E-02	6.913E-02	6.913E-02
1.00E-01---2.00E-01	1.013E-02	1.10E-02	1.168E-02	1.234E-02	1.306E-02	1.383E-02	1.462E-02	1.306E-01	1.306E-01
5.00E-02---1.00E-01	1.882E-02	1.973E-02	2.021E-02	2.112E-02	2.149E-02	2.175E-02	2.366E-02	2.366E-01	2.366E-01
2.00E-02---5.00E-02	4.850E-03	4.952E-03	5.008E-03	5.100E-03	5.153E-03	5.153E-03	5.153E-03	5.153E-02	5.153E-02

4 PI R**2 FLUENCE AT 150.0 METERS

THERMUNNUCLEAR SOURCE

IGAMMAS/MEV/STERADIANT/SOURCE NEUTRON									
ENERGY	ANGLE 1 MU=-C. 0.000	ANGLE 2 MU=-C. 9894	ANGLE 3 MU=-C. 9446	ANGLE 4 MU=-C. 8650	ANGLE 5 MU=-C. 7550	ANGLE 6 MU=-C. 6179	ANGLE 7 MU=-C. 4580	ANGLE 8 MU=-C. 2816	ANGLE 9 MU=-C. 0495C
8.0CE 00----1.00E C1	2.819E-05	2.038E-05	3.046E-05	3.046E-05	3.796E-05	4.222E-05	4.800E-05	4.800E-05	4.800E-05
0.5CE 00----8.00E C0	1.047E-04	1.056E-04	1.090E-04	1.152E-04	1.233E-04	1.462E-04	1.632E-04	1.672E-04	1.672E-04
5.0CE 00----6.50E C0	5.397E-04	5.438E-04	5.591E-04	5.865E-04	6.225E-04	6.666E-04	7.225E-04	7.959E-04	8.947E-04
4.0CE 00----5.00E C0	2.306E-04	2.347E-04	2.495E-04	2.509E-04	2.932E-04	3.251E-04	3.535E-04	3.911E-04	4.459E-04
3.0CE 00----4.00E C0	2.624E-04	2.664E-04	2.810E-04	2.854E-04	3.030E-04	3.257E-04	3.479E-04	3.794E-04	4.794E-04
2.5CE 00----3.00E C0	3.956E-04	4.136E-04	4.434E-04	4.789E-04	5.190E-04	5.682E-04	6.354E-04	7.321E-04	7.321E-04
2.0CE 00----2.50E C0	3.434E-04	3.470E-04	3.601E-04	3.833E-04	4.112E-04	4.440E-04	4.857E-04	5.436E-04	6.455E-04
1.6CE 00----2.00E C0	4.270E-04	4.285E-04	4.348E-04	4.485E-04	4.717E-04	5.019E-04	5.610E-04	6.351E-04	7.354E-04
1.33E 00----1.66E C0	5.801E-04	5.798E-04	5.811E-04	5.894E-04	6.131E-04	6.591E-04	7.311E-04	8.306E-04	9.022E-04
1.0CE 00----1.43E C0	4.015E-04	3.964E-04	3.806E-04	3.647E-04	3.678E-04	4.005E-04	4.615E-04	5.428E-04	6.409E-04
8.0CE -0.1----1.00E C0	3.046E-04	3.018E-04	2.947E-04	2.924E-04	3.083E-04	3.477E-04	4.072E-04	4.815E-04	5.761E-04
6.0CE -0.1----8.00E C1	5.402E-04	5.562E-04	6.136E-04	7.035E-04	7.965E-04	8.809E-04	9.678E-04	1.093E-03	1.304E-03
4.00E -0.1----6.00E -01	1.603E-03	1.815E-03	1.859E-03	1.945E-03	2.053E-03	2.219E-03	2.471E-03	2.856E-03	3.405E-03
3.00E -0.1----4.00E -01	2.396E-03	2.441E-03	2.439E-03	2.571E-03	2.864E-03	3.354E-03	4.018E-03	4.786E-03	5.572E-03
2.00E -0.1----3.00E -01	8.990E-03	9.029E-03	9.172E-03	9.407E-03	9.670E-03	9.927E-03	1.017E-02	1.043E-02	1.076E-02
1.00E -0.1----2.00E -01	2.215E-02	2.212E-02	2.228E-02	2.253E-02	2.299E-02	2.343E-02	2.411E-02	2.495E-02	2.661E-02
5.0CE -0.2----1.00E -01	5.638E-02	5.099E-02	5.146E-02	5.216E-02	5.307E-02	5.421E-02	5.559E-02	5.719E-02	5.719E-02
2.0CE -0.2----5.00E -02	1.450E-02	1.451E-02	1.461E-02	1.470E-02	1.463E-02	1.498E-02	1.516E-02	1.536E-02	1.536E-02
ENERGY	ANGLE 11 MU= C. 0.0950	ANGLE 12 MU= C. 4.580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= L. 8656	ANGLE 16 MU= 0.9446	ANGLE 17 MU= C. 9654	SCALAR FLUX	
8.0CE 00----1.00E C1	3.745E-05	6.12L E-05	1.274E-04	1.274E-04	2.334E-04	4.964E-04	1.767E-03	1.159E-03	1.159E-03
0.50E 00----8.00E C0	2.641E-04	2.242E-04	3.785E-04	4.122E-04	6.433E-04	1.056E-03	1.767E-03	5.591E-03	5.591E-03
5.0CE 00----6.50E 00	7.9C8E-04	1.85E-03	2.069E-03	2.120E-03	3.542E-03	5.044E-03	5.442E-03	1.478E-02	1.885E-02
4.0CE 00----5.00E 00	3.456E-04	8.229E-04	5.807E-04	1.211E-03	2.104E-03	2.868E-03	3.885E-03	1.082E-02	1.097E-02
3.0CE 00----4.00E 00	4.277E-04	7.943E-04	6.657E-04	1.104E-03	1.277E-03	1.966E-03	3.481E-03	8.062E-03	1.047E-02
2.50E 00----3.00E 00	1.052E-03	8.912E-04	1.516E-03	1.558E-03	2.862E-03	3.866E-03	7.607E-03	2.059E-02	1.992E-02
2.00E 00----2.50E 00	4.882E-04	1.157E-03	8.718E-04	1.676E-03	1.998E-03	3.281E-03	6.063E-03	1.400E-02	1.575E-02
1.66E 00----2.00E 00	1.043E-03	9.12E-04	1.495E-03	1.709E-03	2.695E-03	4.258E-03	7.247E-03	1.889E-02	1.973E-02
1.33E 00----1.66E 00	1.369E-03	1.174E-03	1.971E-03	2.273E-03	3.513E-03	5.637E-03	9.429E-03	2.416E-02	2.584E-02
1.00E 00----1.33E C0	5.274E-04	1.073E-03	2.039E-03	2.714E-03	4.237E-03	7.127E-03	1.376E-02	4.785E-02	4.785E-02
8.00E -0.1----1.00E C0	6.639E-04	9.966E-04	1.336E-03	1.961E-03	2.638E-03	3.924E-03	5.446E-03	7.988E-03	1.576E-02
6.0CE -0.1----8.00E -01	1.134E-03	2.766E-03	2.416E-03	4.258E-03	5.039E-03	7.056E-03	1.082E-02	1.974E-02	3.283E-02
4.00E -0.1----6.00E -01	3.599E-03	5.113E-03	5.993E-03	7.205E-03	8.644E-03	1.039E-02	1.319E-02	1.738E-02	6.672E-02
3.00E -0.1----4.00E -01	6.227E-03	7.127E-03	8.785E-03	1.055E-02	1.155E-02	1.369E-02	1.639E-02	1.972E-02	2.417E-02
2.00E -0.1----3.00E -01	1.107E-02	1.275E-02	1.394E-02	1.554E-02	1.743E-02	1.928E-02	2.151E-02	2.417E-02	2.417E-02
1.00E -0.1----2.00E -01	2.727E-02	3.054E-02	3.260E-02	3.742E-02	3.888E-02	4.013E-02	4.265E-02	3.524E-02	3.524E-02
5.0CE -0.2----1.00E -C1	5.902E-02	6.516CE-02	6.566CE-02	6.795E-02	7.021E-02	7.218E-02	7.354E-02	7.447E-02	7.447E-02
2.00E -0.2----5.00E -C2	1.559E-02	1.666E-02	1.666E-02	1.666E-02	1.666E-02	1.666E-02	1.666E-02	1.709E-02	1.958E-02

4 PI 2**2 FLUENCE AT 200.0 METERS

THERMONUCLEAR SOURCE

(GAMMAS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 $\mu = -1.00E-01$	ANGLE 2 $\mu = -0.944E-01$	ANGLE 3 $\mu = -0.865E-01$	ANGLE 4 $\mu = -0.755E-01$	ANGLE 5 $\mu = -0.617E-01$	ANGLE 6 $\mu = -0.458E-01$	ANGLE 7 $\mu = -0.281E-01$	ANGLE 8 $\mu = -0.050E-01$	ANGLE 9 $\mu = -0.050E-01$
8.00E 00----1.00E 01	2.971E-05	2.994E-05	3.082E-05	3.226E-05	3.461E-05	3.740E-05	4.105E-05	4.595E-05	5.274E-05
6.50E 00----8.00E 00	1.036E-04	1.047E-04	1.089E-04	1.146E-04	1.250E-04	1.357E-04	1.491E-04	1.673E-04	1.931E-04
5.00E 00----6.50E 00	5.962E-04	6.014E-04	6.212E-04	6.558E-04	7.003E-04	7.541E-04	8.217E-04	9.119E-04	1.136E-03
4.00E 00----5.00E 00	2.317E-04	2.371E-04	2.565E-04	2.848E-04	3.182E-04	3.471E-04	3.772E-04	4.610E-04	5.534E-04
3.00E 00----4.00E 00	2.838E-04	2.893E-04	3.090E-04	3.398E-04	3.725E-04	4.038E-04	4.318E-04	4.843E-04	5.332E-04
2.50E 00----3.00E 00	3.726E-04	3.786E-04	4.002E-04	4.351E-04	4.740E-04	5.150E-04	5.661E-04	6.332E-04	7.357E-04
2.00E 00----2.50E 00	4.774E-04	5.18E-04	5.679E-04	6.245E-04	6.800E-04	7.501E-04	8.250E-04	9.000E-04	9.617E-04
1.66E 00----2.00E 00	4.290E-04	4.301E-04	4.352E-04	4.473E-04	4.700E-04	5.081E-04	5.662E-04	6.484E-04	7.595E-04
1.33E 00----1.66E 00	5.865E-04	5.847E-04	5.809E-04	5.830E-04	6.037E-04	6.525E-04	7.340E-04	8.441E-04	9.879E-04
1.00E 00----1.33E 00	4.198E-04	4.274E-04	4.3962E-04	4.715E-04	5.722E-04	6.133E-04	6.889E-04	7.056E-04	7.474E-04
8.00E-01----1.00E 00	3.334E-04	3.365E-04	3.254E-04	3.248E-04	3.482E-04	4.013E-04	4.788E-04	6.985E-04	9.95E-04
6.00E-01----8.00E-01	5.296E-04	5.503E-04	6.245E-04	7.379E-04	8.498E-04	9.451E-04	1.04E-03	1.188E-03	1.456E-03
4.00E-01----6.00E-01	2.150E-03	2.165E-03	2.223E-03	2.327E-03	2.476E-03	2.697E-03	3.042E-03	3.573E-03	4.333E-03
3.00E-01----4.00E-01	2.919E-03	2.917E-03	2.978E-03	3.015E-03	3.599E-03	4.290E-03	6.250E-03	7.291E-03	9.375E-03
2.00E-01----3.00E-01	1.157E-02	1.152E-02	1.176E-02	1.205E-02	1.238E-02	1.270E-02	1.299E-02	1.332E-02	1.375E-02
1.00E-01----2.00E-01	2.996E-02	3.001E-02	3.021E-02	3.059E-02	3.116E-02	3.194E-02	3.295E-02	3.422E-02	3.579E-02
5.00E-02----1.00E-01	7.336E-02	7.387E-02	7.656E-02	7.727E-02	7.578E-02	7.727E-02	8.141E-02	8.407E-02	8.474E-02
2.00E-02----5.00E-02	2.144E-02	2.145E-02	2.153E-02	2.162E-02	2.177E-02	2.197E-02	2.222E-02	2.252E-02	2.286E-02
ENERGY GROUP (MEV)	ANGLE 10 $\mu = 0.095E$	ANGLE 11 $\mu = 0.281E-05$	ANGLE 12 $\mu = 0.458E-05$	ANGLE 13 $\mu = 0.6179$	ANGLE 14 $\mu = 0.755E-04$	ANGLE 15 $\mu = 0.8656$	ANGLE 16 $\mu = 0.9446$	ANGLE 17 $\mu = 0.9894$	SCALAR
8.00E 00----1.00E 01	7.12E-05	6.675E-05	1.014E-04	1.18E-04	1.723E-04	2.472E-04	4.067E-04	1.333E-03	1.363E-03
6.50E 00----8.00E 00	2.084E-04	3.021E-04	3.402E-04	4.916E-04	6.627E-04	1.103E-03	2.091E-03	6.386E-03	5.439E-03
5.00E 00----6.50E 00	1.322E-03	1.849E-03	2.110E-03	2.611E-03	3.296E-03	4.041E-03	6.920E-03	1.759E-02	2.263E-02
4.00E 00----5.00E 00	6.632E-04	6.19CE-04	9.515E-04	1.071E-03	1.630E-03	2.562E-03	4.240E-03	1.251E-02	1.251E-02
3.00E 00----4.00E 00	7.168E-04	7.247E-04	1.015E-03	1.168E-03	1.671E-03	2.379E-03	4.240E-03	9.897E-03	1.265E-02
2.50E 00----3.00E 00	7.886E-04	1.174E-03	1.313E-03	1.933E-03	2.626E-03	4.399E-03	6.278E-03	2.316E-02	2.490E-02
2.00E 00----2.50E 00	9.221E-04	8.560E-04	1.339E-03	1.555E-03	2.449E-03	3.703E-03	6.943E-03	1.650E-02	1.781E-02
1.66E 00----2.00E 00	8.18E-04	1.200E-03	1.374E-03	2.040E-03	2.858E-03	4.739E-03	8.441E-03	2.095E-02	2.128E-02
1.33E 00----1.66E 00	1.563E-03	1.557E-03	1.799E-03	2.766E-03	3.799E-03	6.215E-03	1.083E-02	2.196E-02	2.759E-02
1.00E 00----1.33E 00	9.903E-04	9.891E-04	1.631E-03	2.162E-03	3.481E-03	5.183E-03	8.509E-03	2.622E-02	3.017E-02
8.00E-01----1.00E 00	9.199E-04	1.196E-03	1.798E-03	2.598E-03	3.805E-03	5.293E-03	7.272E-03	1.001E-02	2.055E-02
6.00E-01----8.00E-01	2.197E-03	2.348E-03	3.753E-03	4.566E-03	6.460E-03	8.338E-03	1.218E-02	2.144E-02	3.061E-02
4.00E-01----6.00E-01	5.395E-03	6.447E-03	7.911E-03	9.307E-03	1.115E-02	1.336E-02	1.633E-02	2.196E-02	2.758E-02
3.00E-01----4.00E-01	8.317E-03	9.144E-03	1.023E-02	1.139E-02	1.324E-02	1.504E-02	1.747E-02	2.160E-02	2.435E-02
2.00E-01----3.00E-01	1.447E-02	1.518E-02	1.651E-02	1.792E-02	1.996E-02	2.236E-02	2.566E-02	3.017E-02	3.941E-02
1.00E-01----2.00E-01	3.769E-02	3.992E-02	4.255E-02	4.554E-02	4.890E-02	5.255E-02	5.638E-02	5.989E-02	6.872E-02
5.00E-02----1.00E-01	8.711E-02	9.051E-02	9.422E-02	9.814E-02	1.021E-01	1.059E-01	1.116E-01	1.161E-01	1.201E-01
2.00E-02----5.00E-02	2.324E-02	2.365E-02	2.408E-02	2.451E-02	2.492E-02	2.523E-02	2.557E-02	2.574E-02	2.596E-02

4 PI R**2 FLUENCE AT 30C.0 METERS

TERMINUCLEAR SOURCE

(GAMMAS/MEV/STECKAUIAN/SOURCE NEUTRIN)

ANGLE 1 MU=-1.0CU0	ANGLE 2 MU=-C.9894	ANGLE 3 MU=-0.9446	ANGLE 4 MU=-0.8656	ANGLE 5 MU=-C.7550	ANGLE 6 MU=-0.6179	ANGLE 7 MU=-0.4580	ANGLE 8 MU=-0.2616	ANGLE 9 MU=-0.0926
8.00E 00---1.00E C1	2.645E-05	2.672E-05	2.774E-05	2.952E-05	3.162E-05	3.466E-05	3.835E-05	4.348E-05
6.50E 00---8.00E CC	8.515E-05	8.647E-05	9.132E-05	9.927E-05	1.078E-04	1.183E-04	1.303E-04	1.471E-04
5.00E 00---6.50E CC	5.594E-04	5.661E-04	5.905E-04	6.319E-04	6.821E-04	7.401E-04	8.126E-04	9.128E-04
4.00E 00---5.00E CC	1.880E-04	1.955E-04	2.217E-04	2.666E-04	2.938E-04	3.247E-04	3.504E-04	3.886E-04
3.00E 00---4.00E CC	2.547E-04	2.623E-04	2.890E-04	3.292E-04	3.679E-04	4.004E-04	4.337E-04	4.830E-04
2.50E 00---3.00E CC	2.933E-04	3.055E-04	3.263E-04	3.655E-04	4.044E-04	4.400E-04	4.807E-04	5.424E-04
2.00E 00---2.50E CC	3.037E-04	3.285E-04	3.266E-04	3.533E-04	3.831E-04	4.155E-04	4.582E-04	5.629E-04
1.66E 00---2.00E CC	3.782E-04	3.778E-04	3.777E-04	3.824E-04	3.992E-04	4.351E-04	4.647E-04	5.803E-04
1.33E 00---1.66E CC	5.257E-04	5.048E-04	5.048E-04	5.911E-04	5.501E-04	5.501E-04	6.369E-04	7.547E-04
1.00E 00---1.33E CC	4.085E-04	3.971E-04	3.609E-04	3.220E-04	3.194E-04	3.095E-04	4.639E-04	5.805E-04
8.00E -01---1.00E CC	3.191E-04	3.162E-04	3.100E-04	3.150E-04	3.493E-04	4.171E-04	5.109E-04	6.267E-04
6.00E -01---8.00E -C1	4.188E-04	4.423E-04	5.423E-04	6.423E-04	8.188E-04	8.188E-04	1.091E-04	1.180E-04
4.00E -01---6.00E -C1	2.403E-03	2.474E-03	2.474E-03	2.602E-03	2.794E-03	3.094E-03	3.582E-03	4.338E-03
3.00E -01---4.00E -C1	3.299E-03	3.318E-03	3.436E-03	3.750E-03	4.353E-03	5.397E-03	6.683E-03	8.084E-03
2.00E -01---3.00E -C1	1.461E-02	1.467E-02	1.489E-02	1.524E-02	1.561E-02	1.595E-02	1.627E-02	1.718E-02
1.00E -01---2.00E -C1	4.016E-02	4.024E-02	4.054E-02	4.113E-02	4.260E-02	4.317E-02	4.470E-02	4.664E-02
5.00E -02---1.00E -C1	1.076E-01	1.076E-01	1.084E-01	1.098E-01	1.117E-01	1.142E-01	1.174E-01	1.212E-01
2.00E -02---5.00E -C2	3.232E-02	3.234E-02	3.244E-02	3.262E-02	3.288E-02	3.323E-02	3.365E-02	3.416E-02
ANGLE 10 MU= 0.4950	ANGLE 11 MU= C.2810	ANGLE 12 MU= 0.4580	ANGLE 13 MU= C.0179	ANGLE 14 MU= C.7550	ANGLE 15 MU= C.8856	ANGLE 16 MU= C.9446	ANGLE 17 MU= C.9894	ANGLE 18 FLUX
8.00E 00---1.00E C1	5.950E-05	7.804E-05	9.139E-05	9.693E-05	10.856E-04	5.299E-04	1.597E-03	1.428E-03
6.50E 00---8.00E CC	2.000E-04	2.597E-04	3.467E-04	4.647E-04	6.866E-04	1.115E-03	2.245E-03	5.459E-03
5.00E 00---6.50E CC	1.240E-03	1.575E-03	1.941E-03	2.570E-03	3.662E-03	5.069E-03	8.426E-03	2.106E-02
4.00E 00---5.00E CC	5.401E-04	7.219E-04	8.918E-04	1.226E-03	1.717E-03	2.766E-03	5.407E-03	1.455E-03
3.00E 00---4.00E CC	6.721E-04	8.659E-04	1.072E-03	1.430E-03	1.977E-03	3.057E-03	5.257E-03	1.446E-03
2.50E 00---3.00E CC	8.108E-04	9.838E-04	1.318E-03	1.774E-03	2.081E-03	4.439E-03	8.699E-03	2.442E-02
2.00E 00---2.50E CC	7.327E-04	9.850E-04	1.231E-03	1.753E-03	2.566E-03	4.281E-03	7.851E-03	1.863E-02
1.60E 00---2.00E CC	8.705E-04	1.054E-03	1.446E-03	2.033E-03	3.152E-03	5.155E-03	9.358E-03	2.186E-02
1.33E 00---1.60E CC	1.122E-03	1.359E-03	1.895E-03	2.71CE-03	4.183E-03	6.690E-03	1.170E-02	2.651E-02
1.00E 00---1.33E CC	8.537E-04	1.221E-03	1.736E-03	2.744E-03	4.222E-03	6.523E-03	1.014E-02	1.809E-02
8.00E -01---1.00E CC	1.049E-03	1.409E-03	2.537E-03	3.553E-03	5.169E-03	7.193E-03	9.651E-03	1.258E-02
6.00E -01---8.00E C1	2.073E-03	3.147E-03	4.281E-03	5.944E-03	7.697E-03	1.066E-02	1.338E-02	2.1C6E-02
4.00E -01---6.00E C1	6.765E-03	8.398E-03	1.011E-02	1.206E-02	1.498E-02	1.673E-02	2.042E-02	2.605E-02
3.00E -01---4.00E C1	1.061E-02	1.176E-02	1.297E-02	1.454E-02	1.654E-02	1.906E-02	2.200E-02	2.547E-02
2.00E -01---3.00E C1	1.797E-02	1.919E-02	2.676E-02	2.676E-02	2.501E-02	2.787E-02	3.131E-02	3.598E-02
1.00E -01---2.00E C1	5.180E-02	5.902E-02	6.341E-02	6.824E-02	7.334E-02	7.840E-02	8.272E-02	8.694E-02
5.00E -02---1.00E C1	1.310E-01	1.433E-01	1.5L2E-01	1.570E-01	1.692E-01	1.73CE-01	1.756E-01	1.658E-01
2.00E -02---5.00E C2	3.539E-02	3.609E-02	3.681E-02	3.754E-02	3.884E-02	3.931E-02	3.959E-02	4.444E-02

4 PI R**2 FLUENCE AT 400.0 METERS

THERMONUCLEAR SOURCE

(GAMMAS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=0.1*600	ANGLE 2 MU=-0.9894	ANGLE 3 MU=-0.9446	ANGLE 4 MU=-0.8656	ANGLE 5 MU=-0.7550	ANGLE 6 MU=-0.6179	ANGLE 7 MU=-0.458C	ANGLE 8 MU=-C.2816	ANGLE 9 MU=-L.095L
8.00E 00----1.00E 01	1.992E-05	2.019E-05	2.119E-05	2.286E-C5	2.488E-05	2.722E-05	3.447E-05	3.021E-05	4.066E-05
6.50E 00----8.00E 00	6.214E-05	6.712E-05	7.485E-05	8.289E-05	9.063E-05	9.945E-05	1.125E-05	1.033E-05	1.333E-05
5.00E 00----6.50E 00	4.333E-04	4.463E-04	4.656E-C4	5.065E-C4	5.523E-04	6.013E-L4	6.609E-04	7.466E-04	8.774E-04
4.00E 00----5.00E 00	1.247E-04	1.335E-04	1.637E-04	2.064E-04	2.418E-04	2.634E-04	2.790E-04	3.068E-C4	3.652E-04
3.00E 00----4.00E 00	1.847E-04	1.935E-04	2.240E-04	2.406E-04	2.76E-04	3.034E-04	3.548E-04	3.947E-04	4.695E-04
2.50E 00----3.00E 00	2.065E-04	2.142E-04	2.411E-04	2.798E-04	3.149E-04	3.454E-04	3.687E-04	4.169E-04	5.20E-04
2.00E 00----2.50E 00	2.389E-04	2.432E-04	2.588E-04	2.822E-04	3.062E-04	3.319E-04	3.674E-04	4.445E-04	5.139E-04
1.66E 00----2.00E 00	3.076E-04	3.047E-04	2.981E-04	2.918E-C4	3.222E-04	3.622E-04	4.679E-04	5.662E-04	6.622E-04
1.33E 00----1.66E 00	4.352E-04	4.267E-04	3.997E-04	3.710E-04	3.710E-04	4.149E-04	4.994E-04	6.053E-04	7.364E-04
1.00E 00----1.33E 00	3.04E-04	3.04E-04	2.923E-04	2.442E-04	2.381E-04	2.903E-04	3.869E-04	4.996E-04	6.196E-04
8.00E-01----1.00E 00	2.528E-04	2.511E-04	2.490E-04	2.600E-04	2.985E-04	3.657E-04	4.529E-04	5.645E-04	7.327E-04
6.00E-01----8.00E-01	2.739E-04	3.039E-04	4.169E-04	5.612E-04	6.853E-04	7.666E-04	8.473E-04	1.027E-03	1.466E-03
4.00E-01----6.00E-01	2.238E-03	2.254E-03	2.320E-03	2.445E-03	2.644E-C3	2.779E-03	3.540E-03	4.415E-03	5.643E-03
3.00E-01----4.00E-01	3.124E-03	3.151E-03	3.303E-03	3.710E-03	4.485E-03	5.655E-03	7.108E-03	8.636E-03	1.004E-02
2.00E-01----3.00E-01	1.546E-02	1.574E-02	1.641E-02	1.608E-02	1.641E-02	1.674E-02	1.695E-02	1.728E-02	1.831E-02
1.00E-01----2.00E-01	4.339E-02	4.348E-C2	4.384E-02	4.453E-02	4.553E-02	4.689E-02	4.865E-02	5.085E-C2	5.355E-C2
5.00E-02----1.00E-01	1.231E-01	1.233E-01	1.241E-01	1.257E-01	1.281E-01	1.312E-01	1.351E-01	1.399E-01	1.456E-01
2.00E-02----5.00E-02	3.759E-02	3.762E-02	3.773E-02	3.796E-02	3.828E-02	3.923E-02	3.985E-02	4.057E-02	4.057E-02
ENERGY GROUP (MEV)	ANGLE 10 MU=0.C950	ANGLE 11 MU=C.2816	ANGLE 12 MU=0.458C	ANGLE 13 MU=0.6170	ANGLE 14 MU=0.8656	ANGLE 15 MU=0.8650	ANGLE 16 MU=0.9446	ANGLE 17 MU=0.9894	SCALAR FLUX
8.00E 00----1.00E 01	8.050E-05	6.443E-05	8.601E-05	1.200E-04	1.784E-04	2.882E-04	5.457E-04	1.665E-03	1.338E-03
6.50E 00----8.00E 00	1.654E-04	2.137E-04	2.850E-04	4.013E-04	6.094E-04	1.039E-03	2.156E-03	7.271E-03	4.929E-03
5.00E 00----6.50E 00	1.074E-03	1.353E-03	1.70E-03	2.397E-03	3.436E-03	5.265E-03	9.035E-03	2.226E-02	2.429E-02
4.00E 00----5.00E 00	4.648E-04	6.266E-04	7.976E-04	1.095E-03	1.642E-03	2.759E-03	5.376E-03	1.424E-02	1.243E-02
3.00E 00----4.00E 00	5.896E-04	7.551E-04	9.895E-04	1.351E-03	1.998E-03	3.332E-03	5.782E-03	1.3C7E-02	1.41Ct-02
2.50E 00----3.00E 00	6.318E-04	8.215E-04	1.093E-03	1.555E-03	2.423E-03	4.205E-03	8.336E-03	2.3L7E-02	1.b26E-02
2.00E 00----2.50E 00	6.458E-04	8.267E-04	1.116E-03	1.609E-03	2.537E-03	4.325E-03	8.036E-03	1.847E-02	1.763E-02
1.66E 00----2.00E 00	7.014E-04	9.105E-04	1.262E-03	1.905E-03	3.065E-03	5.176E-03	9.317E-03	2.091E-02	2.023E-02
1.33E 00----1.66E 00	8.992E-04	1.175E-03	1.666E-03	2.559E-03	4.078E-03	6.649E-03	1.137E-02	2.410E-02	2.556E-02
1.00E 00----1.33E 00	7.945E-04	1.120E-03	1.756E-03	2.864E-03	4.557E-03	6.776E-03	1.056E-02	1.753E-02	2.416E-02
8.00E-01----1.00E 00	1.042E-03	1.612E-03	2.565E-03	3.914E-03	5.795E-03	7.974E-03	1.048E-02	1.363E-02	2.815E-02
6.00E-01----8.00E-01	2.151E-03	3.204E-03	4.611E-03	6.262E-03	8.156E-03	1.033E-02	1.316E-02	1.866E-02	4.350E-C2
4.00E-01----6.00E-01	7.182E-03	8.919E-03	1.075E-02	1.263E-02	1.470E-02	1.724E-02	2.068E-02	2.553E-C2	9.952E-C2
3.00E-01----4.00E-01	1.124E-02	1.233E-02	1.515E-02	1.724E-02	1.975E-02	2.249E-02	2.534E-02	3.051E-02	3.518E-02
2.00E-01----3.00E-01	1.867E-02	1.990E-02	2.353E-02	2.589E-02	2.861E-02	3.109E-02	3.5C1E-02	4.166E-02	5.181E-02
1.00E-01----2.00E-01	5.679E-02	6.066E-02	6.499E-02	7.524E-02	8.073E-02	8.593E-02	9.044E-02	9.328E-02	7.328E-02
5.00E-02----1.00E-01	1.595E-01	1.675E-01	1.760E-01	1.845E-01	1.955E-01	1.993E-01	2.037E-01	2.1926E-01	2.6449E-01
2.00E-02----5.00E-02	4.223E-02	4.312E-02	4.402E-02	4.485E-02	4.559E-02	4.615E-02	4.6949E-02	5.192E-02	5.192E-02

(GAMMAS/MEV/STERADIAN/SOURCE NEUTRIN)

ENERGY GROUP (MEV)	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
8.00E 00----1.00E C1	MU=1.0000	MU=-C.9894	MU=-C.9446	MU=-0.8656	MU=-C.7550	MU=-0.428C	MU=-C.2610	MU=-C.C55C	MU=-C.C55C
8.00E 00----1.00E C1	1.373E-05	1.399E-05	1.491E-05	1.639E-05	1.8L2E-05	1.973E-05	2.184E-05	2.496E-05	2.989E-05
6.50E 00----8.00E C0	3.975E-05	4.361E-05	4.911E-05	5.968E-05	6.511E-05	7.671E-05	7.671E-05	7.671E-05	7.671E-05
5.00E 00----6.50E C0	3.044E-04	3.11E-04	3.356E-04	3.730E-04	4.111E-04	4.473E-04	4.891E-04	5.525E-04	6.559E-04
4.00E 00----5.00E C0	6.865E-05	7.815E-05	1.103E-04	1.535E-04	1.856E-04	1.998E-04	2.050E-04	2.215E-04	2.684E-04
3.50E 00----4.00E C0	1.263E-04	1.256E-04	1.575E-04	2.013E-04	2.348E-04	2.348E-04	2.639E-04	3.524E-04	3.99E-04
3.00E 00----3.00E C0	1.347E-04	1.423E-04	1.685E-04	2.045E-04	2.28E-04	2.501E-04	2.667E-04	3.697E-04	3.697E-04
2.50E 00----2.50E C0	1.805E-04	1.819E-04	1.942E-04	2.120E-04	2.294E-04	2.481E-04	2.566E-04	3.226E-04	3.968E-04
2.00E 00----2.50E C0	2.066E-04	2.078E-04	2.418E-04	2.450E-04	2.491E-04	2.491E-04	2.491E-04	2.491E-04	2.491E-04
1.50E 00----2.00E C0	3.33E-04	3.497E-04	3.497E-04	3.628E-04	3.628E-04	3.628E-04	3.628E-04	3.628E-04	3.628E-04
1.33E 00----1.60E C0	4.388E-04	4.871E-04	4.871E-04	5.238E-04	5.238E-04	5.627E-04	6.627E-04	5.627E-04	5.627E-04
1.00E 00----1.33E C0	8.00E-04	1.00E 00----1.33E C0	1.799E-04	1.825E-04	1.985E-04	2.366E-04	2.947E-04	3.024E-04	3.988E-04
8.00E-01----1.20E C0	1.862E-04	1.771E-04	2.869E-04	4.45E-04	4.45E-04	6.023E-04	6.023E-04	4.559E-04	6.146E-04
6.00E-01----8.00E-01 C1	6.00E-01----8.00E-01 C1	1.932E-03	1.945E-03	1.998E-03	2.103E-03	2.126E-03	2.126E-03	2.126E-03	2.126E-03
4.00E-01----6.00E-01 C1	2.694E-03	2.727E-03	2.901E-03	3.346E-03	4.168E-03	5.378E-03	6.339E-03	8.326E-03	9.631E-03
3.00E-01----4.00E-01 C1	2.00E-01----3.00E-01 C0	4.489E-02	1.549E-02	1.538E-02	1.564E-02	1.564E-02	1.600E-02	1.669E-02	1.669E-02
2.00E-01----2.00E-01 C0	4.179E-02	4.224E-02	4.293E-02	4.394E-02	4.530E-02	4.705E-02	4.705E-02	5.152E-02	5.152E-02
1.00E-01----1.00E-01 C1	1.231E-01	1.242E-01	1.259E-01	1.283E-01	1.316E-01	1.376E-01	1.407E-01	1.467E-01	1.467E-01
5.00E-02----1.00E-01 C2	3.013E-02	3.60CE-02	3.836E-02	3.869E-02	3.913E-02	3.968E-02	4.033E-02	4.1C8E-02	4.1C8E-02
2.00E-02----5.00E-02 C2	3.797E-02								
ENERGY GROUP (MEV)	ANGLE 10	ANGLE 11	ANGLE 12	ANGLE 13	ANGLE 14	ANGLE 15	ANGLE 16	ANGLE 17	SCALAR FLUX
4.00E 00----1.00E C1	MU= 0.6950	MU= G.2810	MU= 0.4580	MU= 0.6179	MU= G.7550	MU= 0.8656	MU= 0.9446	MU= G.9894	1.161E-03
6.50E 00----8.00E C0	6.724E-05	6.756E-05	2.175E-04	3.147E-04	4.995E-04	8.981E-04	1.955E-04	1.630E-04	1.630E-04
5.00E 00----6.50E C0	1.593E-04	1.606E-04	1.4C7E-03	1.986E-03	2.986E-03	4.881E-03	8.635E-03	2.193E-02	2.107E-02
4.00E 00----5.00E C0	3.534E-04	4.969E-04	8.945E-04	1.136E-03	1.782E-03	2.541E-03	5.844E-03	1.435E-02	1.288E-02
3.00E 00----4.00E C0	4.556E-04	6.000E-04	8.021E-04	1.264E-03	2.075E-03	3.094E-03	5.807E-03	1.3C3E-02	1.255E-02
2.50E 00----3.00E C0	6.316E-04	7.784E-04	8.660E-04	1.388E-03	2.299E-03	3.778E-03	7.638E-03	2.063E-02	1.549E-02
2.00E 00----2.50E C0	5.043E-04	6.6C3E-C4	9.138E-04	1.383E-03	4.088E-03	7.694E-03	1.714E-02	1.559E-02	1.714E-02
1.66E 00----2.00E C0	5.428E-04	7.143E-04	1.038E-03	1.660E-03	2.811E-03	4.879E-03	1.875E-03	1.865E-02	1.773E-02
1.33E 00----1.66E C0	6.938E-04	9.256E-04	1.393E-03	2.267E-03	3.764E-03	6.213E-03	1.644E-02	2.072E-02	2.219E-02
1.00E 00----1.33E C0	6.460E-04	9.704E-04	1.630E-03	2.771E-03	4.484E-03	6.840E-03	1.009E-02	1.576E-02	2.439E-02
8.00E-01----1.00E C0	9.310E-04	1.533E-03	2.533E-03	3.979E-03	5.814E-03	7.911E-03	1.018E-02	1.281E-02	2.7C8E-02
6.00E-01----8.00E C1	1.984E-03	4.492E-03	6.103E-03	7.847E-03	9.742E-03	1.200E-02	1.576E-02	4.626E-02	4.626E-02
4.00E-01----6.00E C1	6.876E-03	8.558E-03	1.026E-02	1.196E-02	1.378E-02	1.599E-02	1.811E-02	2.273E-02	2.273E-02
3.00E-01----4.00E C1	1.069E-02	1.163E-02	1.272E-02	1.419E-02	1.612E-02	1.837E-02	2.098E-02	2.28CE-02	1.287E-01
2.00E-01----3.00E C1	2.00E-01	2.015E-02	2.198E-02	2.649E-02	2.649E-02	2.900E-02	3.144E-02	3.359E-02	3.359E-02
1.00E-01----2.00E C1	5.513E-02	6.32CE-02	6.798E-02	7.310E-02	8.651E-02	8.651E-02	8.651E-02	7.1C2E-01	7.1C2E-01
5.00E-02----1.00E C1	1.535E-01	1.612E-01	1.784E-01	1.873E-01	1.955E-01	2.024E-01	2.024E-01	1.943E-01	1.943E-01
2.00E-02----5.00E C2	4.191E-02	4.28CE-02	4.464E-02	4.551E-02	4.625E-02	4.716E-02			

4 PI R**2 FLUENCE AT 666.0 METERS

THERMONUCLEAR SOURCE

(GAMMAS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
8.00E-06 1.00E-01	9.01E-06	MU=0.9694	MU=0.8656	MU=0.7550	MU=0.6179	MU=0.4580	MU=0.2816	MU=-0.0950	MU=-C.0950
6.50E-06 8.00E-01	2.434E-05	2.962E-05	3.013E-05	1.135E-05	1.263E-05	1.380E-05	1.515E-05	1.727E-05	2.085E-05
5.00E-06 6.50E-01	2.024E-04	2.888E-04	2.315E-04	2.648E-04	4.186E-05	4.537E-05	4.840E-05	5.397E-05	6.532E-05
4.00E-06 5.00E-01	2.750E-05	1.0108E-04	6.970E-05	1.1018E-04	2.953E-04	3.199E-04	3.461E-04	3.842E-04	4.659E-04
3.00E-06 4.00E-01	6.377E-05	7.316E-05	1.050E-04	1.467E-04	1.754E-04	1.851E-04	1.870E-04	1.445E-04	1.866E-04
2.50E-06 3.00E-01	8.192E-05	8.968E-05	1.136E-04	1.459E-04	1.685E-04	1.783E-04	1.858E-04	2.028E-04	2.509E-04
2.00E-06 2.50E-01	1.300E-04	1.837E-04	1.663E-04	1.446E-04	1.536E-04	1.413E-04	1.361E-04	2.946E-04	2.361E-04
1.66E-06 2.00E-01	1.869E-04	2.786E-04	2.662E-04	2.250E-04	1.778E-04	1.644E-04	1.989E-04	2.057E-04	2.624E-04
1.33E-06 1.66E-01	2.133E-04	2.308E-04	2.157E-04	1.665E-04	1.131E-04	1.036E-04	1.493E-04	3.074E-04	3.493E-04
1.00E-06 1.33E-01	1.820E-04	1.182E-04	1.193E-04	1.261E-04	1.458E-04	1.812E-04	2.274E-04	2.788E-04	3.779E-04
6.00E-06 1.00E-01	1.01E-04	1.01E-04	1.262E-05	1.262E-05	1.891E-04	3.263E-04	4.201E-04	4.554E-04	5.454E-04
4.00E-06 6.00E-01	4.971E-05	1.606E-03	1.597E-03	1.606E-03	1.643E-03	1.724E-03	1.883E-03	2.191E-03	3.60UE-03
3.00E-06 4.00E-01	2.207E-03	2.019E-03	1.342E-02	1.344E-02	1.362E-02	1.385E-02	1.403E-02	1.421E-02	1.436E-02
2.00E-06 3.00E-01	3.754E-02	3.762E-02	3.796E-02	3.860E-02	3.860E-02	3.952E-02	4.078E-02	4.238E-02	4.682E-02
1.00E-06 2.00E-01	1.136E-01	1.134E-01	1.145E-01	1.161E-01	1.184E-01	1.215E-01	1.253E-01	1.301E-01	1.357E-01
5.00E-06 1.00E-01	3.523E-02	3.523E-02	3.535E-02	3.556E-02	3.588E-02	3.629E-02	3.661E-02	3.612E-02	3.742E-02
2.00E-06 5.00E-02	3.523E-02	3.523E-02	3.535E-02	3.556E-02	3.588E-02	3.629E-02	3.661E-02	3.612E-02	3.742E-02
ENERGY GROUP (MEV)	ANGLE 11	ANGLE 12	ANGLE 13	ANGLE 14	ANGLE 15	ANGLE 16	ANGLE 17	SCALAR FLUX	
8.00E-06 1.00E-01	MU=0.0950	MU=0.4580	MU=0.6179	MU=0.8656	MU=0.9446	MU=0.9894	MU=1.531E-03	9.663E-03	
6.50E-06 8.00E-01	3.543E-05	4.946E-05	7.398E-05	1.217E-04	2.238E-04	4.747E-04	1.736E-03	3.395E-03	
5.00E-06 6.50E-01	8.464E-05	1.137E-04	1.576E-04	2.332E-04	3.861E-04	7.374E-04	1.700E-03	6.236E-03	
4.00E-06 5.00E-01	5.891E-04	5.299E-04	1.514E-04	1.514E-04	3.493E-03	4.181E-03	8.087E-03	1.736E-02	
3.00E-06 4.00E-01	3.546E-04	3.571E-04	4.794E-04	6.871E-04	1.141E-03	2.208E-03	4.765E-03	1.326E-02	
2.50E-06 3.00E-01	3.356E-04	4.511E-04	6.092E-04	6.852E-04	1.473E-03	2.755E-03	5.473E-03	1.234E-02	
2.00E-06 2.50E-01	3.777E-04	4.996E-04	4.675E-04	6.458E-04	9.224E-04	1.706E-03	3.276E-03	6.781E-03	
1.00E-06 2.00E-01	1.01E-04	1.01E-04	1.129E-03	1.985E-03	3.683E-03	7.039E-03	1.524E-02	1.325E-02	
1.66E-06 1.66E-01	3.998E-04	5.329E-04	8.13CE-04	1.387E-03	2.776E-03	4.404E-03	7.891E-03	1.605E-02	1.566E-02
1.33E-06 1.33E-01	5.659E-04	6.959E-04	6.959E-04	1.117E-03	1.937E-03	3.338E-03	5.571E-03	9.215E-03	1.723E-02
1.00E-06 1.00E-01	4.985E-04	4.985E-04	7.968E-04	1.433E-03	2.537E-03	4.165E-03	6.317E-03	9.100E-03	1.349E-02
8.00E-06 1.00E-01	7.868E-04	1.376E-03	2.35CE-03	3.734E-03	5.441E-03	7.312E-03	9.214E-03	1.125E-02	2.446E-02
6.00E-06 8.00E-01	1.760E-03	2.822E-03	4.14CE-03	5.598E-03	7.109E-03	8.666E-03	1.039E-02	1.290E-02	3.552E-02
4.00E-06 6.00E-01	6.199E-03	7.712E-03	9.189E-03	1.066E-02	1.209E-02	1.389E-02	1.624E-02	1.9126E-02	8.155E-02
3.00E-06 4.00E-01	9.542E-03	1.029E-02	1.118E-02	1.244E-02	1.411E-02	1.60E-02	1.783E-02	1.933E-02	1.137E-01
2.00E-06 3.00E-01	1.538E-02	1.638E-02	1.769E-02	1.926E-02	2.102E-02	2.296E-02	2.495E-02	2.672E-02	2.078E-01
1.00E-06 2.00E-01	4.973E-02	5.313E-02	5.700E-02	6.127E-02	6.579E-02	7.028E-02	7.428E-02	7.710E-02	6.394E-01
5.00E-06 1.00E-01	1.421E-01	1.494E-01	1.573E-01	1.655E-01	1.738E-01	1.814E-01	1.917E-01	1.796E-01	1.421E-01
2.00E-06 5.00E-02	3.886E-02	4.059E-02	3.973E-02	4.145E-02	4.225E-02	4.294E-02	4.377E-02	4.879E-02	4.346E-02

4 PI R**2 FLUENCE AT 900.0 METERS

THERMONUCLEAR SOURCE

(GAMMAS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 $\mu_1 = -0.150C$	ANGLE 2 $\mu_2 = -0.9694$	ANGLE 3 $\mu_3 = -0.9446$	ANGLE 4 $\mu_4 = -0.8656$	ANGLE 5 $\mu_5 = -0.7550$	ANGLE 6 $\mu_6 = -0.6179$	ANGLE 7 $\mu_7 = -0.4586$	ANGLE 8 $\mu_8 = -0.2616$	ANGLE 9 $\mu_9 = -0.0556$
8.00E 00----1.00E 01	2.025E-06	2.198E-06	2.798E-06	3.60C4E-06	4.20C0E-C6	4.481E-06	4.645E-06	4.80E-06	5.366E-C6
6.50E 00----8.00E 00	2.491E-06	4.002E-05	7.276E-06	1.417E-05	1.472E-05	1.401E-05	1.451E-05	1.649E-05	1.649E-05
5.00E 00----6.50E 00	4.723E-05	5.194E-05	6.823E-05	8.966E-05	1.044E-C4	1.095E-04	1.109E-04	1.206E-04	1.494E-04
4.00E 00----5.00E 00	-2.274E-C5	-1.312E-C5	8.943E-06	4.397E-05	5.959E-05	5.507E-05	4.087E-05	3.537E-C5	5.301E-C5
3.00E 00----4.00E 00	-8.221E-06	7.490E-C7	2.352E-05	5.141E-05	7.289E-05	6.750E-05	5.773E-05	7.918E-05	7.918E-05
2.50E 00----3.00E 00	7.479E-06	1.286E-05	3.04CE-05	5.034E-05	6.086E-05	5.929E-05	5.401E-05	5.972E-C5	8.445E-05
2.00E 00----2.50E 00	4.797E-05	4.649E-05	5.014E-05	5.187E-C5	5.322E-05	5.677E-05	6.611E-05	8.313E-05	1.683E-04
1.66E 00----2.00E 00	9.204E-05	8.586E-05	6.491E-C5	3.941E-05	2.959E-C5	7.305E-05	1.027E-C4	1.207E-C4	1.207E-C4
1.33E 00----1.66E 00	1.412E-04	1.292E-04	8.777E-05	4.077E-05	2.768E-C5	5.3C6E-05	1.009E-04	1.406E-C4	1.543E-C4
1.00E 00----1.33E 00	1.151E-04	1.032E-04	5.779E-05	1.957E-05	2.104E-05	4.693E-05	9.331E-05	1.271E-C4	1.394E-04
8.00E-01----1.00E 00	1.515E-05	1.855E-05	3.142E-05	7.701E-05	9.454E-05	1.701E-05	1.032E-04	1.213E-C4	1.975E-04
6.00E-01----8.00E-01	-6.621E-C5	-3.916E-05	1.332E-05	1.398E-04	1.812E-04	1.746E-04	1.623E-04	2.464E-04	5.342E-04
4.00E-01----6.00E-01	8.086E-04	8.067E-04	8.111E-04	8.361E-04	9.195E-04	1.118E-03	1.495E-03	2.086E-C4	2.870E-03
3.00E-01----4.00E-01	1.057E-C3	1.084E-03	1.222E-03	1.551E-03	2.123E-03	2.916E-03	3.801E-03	4.605E-03	5.192E-03
2.00E-01----3.00E-01	8.182E-03	8.204E-C3	6.278E-03	8.360E-03	8.384E-03	8.366E-03	8.254E-03	8.262E-03	8.346E-03
1.00E-01----2.00E-01	2.155E-02	2.200E-C2	2.221E-02	2.260E-C2	2.316E-C2	2.390E-02	2.485E-02	2.662E-C2	2.743E-C2
5.00E-02----1.00E-01	6.883E-02	6.876E-02	6.926E-02	7.026E-02	7.168E-02	7.358E-02	7.596E-02	7.666E-02	8.226E-02
2.00E-02----5.00E-02	2.144E-02	2.142E-02	2.149E-02	2.162E-C2	2.181E-02	2.206E-02	2.237E-02	2.274E-C2	2.311E-C2
ENERGY GROUP (MEV)	ANGLE 10 $\mu_{10} = 0.4950$	ANGLE 11 $\mu_{11} = 0.2816$	ANGLE 12 $\mu_{12} = 0.4500$	ANGLE 13 $\mu_{13} = 0.6179$	ANGLE 14 $\mu_{14} = 0.7550$	ANGLE 15 $\mu_{15} = 0.8656$	ANGLE 16 $\mu_{16} = 0.9446$	ANGLE 17 $\mu_{17} = 0.9894$	SCALAR FLUX
8.00E 00----1.00E C1	1.602E-06	1.713E-05	2.076E-05	4.934E-05	1.160E-04	3.398E-04	1.016E-04	1.016E-04	5.C21E-C4
6.50E 00----6.50E C0	2.654E-05	3.785E-C5	5.295E-C5	7.977E-05	1.468E-04	9.684E-04	2.033E-03	4.877E-03	8.466E-03
5.00E 00----5.00E C0	2.011E-04	2.741E-04	3.757E-04	5.552E-04	2.482E-04	2.482E-04	1.875E-03	1.084E-03	8.999E-03
4.00E 00----5.00E C0	1.057E-C4	1.789E-04	1.789E-04	2.777E-04	3.364E-C4	6.656E-04	1.557E-03	3.657E-03	5.646E-03
3.00E 00----4.00E C0	1.243E-04	1.737E-04	1.737E-04	2.342E-04	3.931E-C4	8.254E-04	1.871E-03	4.188E-03	6.562E-03
2.50E 00----3.00E C0	1.237E-04	1.692E-04	1.812E-04	2.777E-04	4.226E-04	1.092E-03	2.270E-03	4.533E-03	9.228E-03
2.00E 00----4.50E C0	1.379E-C4	1.812E-04	3.357E-04	7.122E-04	1.456E-03	2.759E-03	4.925E-03	8.992E-03	6.110E-03
1.66E 00----2.00E C0	1.343E-04	1.867E-04	2.466E-04	5.122E-04	1.077E-03	2.029E-C3	3.438E-03	5.448E-03	8.846E-03
1.33E 00----1.66E C0	1.000E-04	3.812E-04	8.382E-04	1.630E-03	2.732E-03	4.035E-03	5.448E-03	7.150E-C3	1.151E-02
1.00E 00----1.33E C0	1.865E-04	8.391E-C4	1.555E-C4	2.472E-C4	3.536E-03	4.560E-03	5.410E-03	6.099E-03	1.474E-02
8.00E-01----1.00E C0	4.092E-C4	1.000E-03	1.000E-03	2.664E-03	3.513E-03	4.285E-03	5.645E-03	6.361E-C3	2.595E-02
6.00E-01----6.00E C0	1.000E-03	1.61CE-03	4.636E-03	5.386E-03	6.023E-C3	6.651E-03	7.448E-03	8.502E-03	9.630E-03
4.00E-01----6.00E C0	3.759E-03	4.636E-03	5.556E-03	6.230E-C3	6.879E-03	7.753E-03	8.668E-03	9.396E-03	6.450E-C2
3.00E-01----4.00E C0	5.556E-03	5.835E-03	9.187E-L3	9.659E-03	1.063E-L2	1.146E-02	1.233E-02	1.317E-02	1.924E-C2
2.00E-01----3.00E C0	8.007E-03	8.007E-03	3.101E-C2	3.315E-02	3.786E-02	4.015E-02	4.209E-02	4.336E-C2	5.718E-01
1.00E-01----2.00E C0	2.909E-02	2.909E-02	9.051E-02	9.520E-02	1.048E-C1	1.092E-01	1.127E-01	1.448E-01	1.886E-01
5.00E-02----1.00E C0	8.616E-02	8.616E-02	2.412E-02	2.463E-02	2.559E-02	2.628E-02	2.644E-C2	2.962E-C2	2.962E-C2

4 P1 R**2 FLUENCE AT 1200.0 METERS

THERMONUCLEAR SOURCE

(GAMMAS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=-1.0000	ANGLE 2 MU=-0.9894	ANGLE 3 MU=-0.9446	ANGLE 4 MU=-0.8656	ANGLE 5 MU=-0.7550	ANGLE 6 MU=-0.6179	ANGLE 7 MU=-0.4580	ANGLE 8 MU=-0.2810
8.00E 00----1.00E 01	1.611E-07	2.861E-07	6.687E-07	1.152E-06	1.460E-06	1.464E-06	1.792E-06	1.340E-06
6.50E 00----8.00E 00	-1.611E-06	-7.611E-07	1.062E-06	3.876E-06	5.099E-06	4.720E-06	3.514E-06	4.584E-06
5.00E 00----6.50E 00	4.484E-06	7.622E-05	1.766E-05	3.002E-05	3.721E-05	3.673E-05	3.242E-05	4.413E-05
4.00E 00----5.00E 00	-2.428E-05	-1.827E-05	2.835E-07	1.375E-05	2.720E-05	2.105E-05	4.516E-06	1.283E-05
3.00E 00----4.00E 00	-1.822E-05	-1.249E-05	1.966E-06	2.282E-05	2.910E-05	2.392E-05	1.032E-05	2.335E-05
2.50E 00----3.00E 00	-7.177E-06	-3.571E-06	5.465E-06	1.617E-05	1.184E-05	1.817E-05	1.244E-05	1.367E-05
2.00E 00----2.50E 00	1.839E-05	1.818E-05	1.727E-05	1.567E-05	1.439E-05	1.529E-05	2.010E-05	2.865E-05
1.66E 00----2.00E 00	4.661E-05	4.192E-05	2.394E-05	5.378E-06	9.371E-07	8.653E-06	6.605E-05	3.804E-05
1.33E 00----1.66E 00	6.365E-05	7.226E-05	3.000E-05	2.539E-06	-3.560E-06	1.052E-05	3.948E-05	3.588E-05
1.00E 00----1.33E 00	5.615E-05	4.867E-05	1.999E-05	1.322E-06	-1.718E-06	1.348E-05	3.939E-05	5.257E-05
8.00E-01----1.00E 00	-1.139E-05	-7.998E-06	2.715E-06	2.009E-05	3.259E-05	3.789E-05	3.282E-05	3.227E-05
6.00E-01----8.00E-01	-6.547E-05	-4.685E-05	5.444E-07	5.622E-05	7.512E-05	6.504E-05	4.174E-05	9.473E-05
4.00E-01----6.00E-01	3.842E-04	3.819E-04	3.790E-04	4.185E-04	5.299E-04	7.479E-04	1.086E-03	1.520E-03
3.00E-01----4.00E-01	4.710E-04	4.879E-04	5.725E-04	7.689E-04	1.102E-03	1.550E-03	2.030E-03	2.695E-03
2.00E-01----3.00E-01	4.349E-03	4.354E-03	4.381E-03	4.40E-03	4.374E-03	4.30E-03	4.167E-03	4.167E-03
1.00E-01----2.00E-01	1.111E-02	1.124E-02	1.144E-02	1.173E-02	1.216E-02	1.257E-02	1.315E-02	1.383E-02
5.00E-02----1.00E-01	3.495E-C2	3.5C2E-C2	3.528E-C2	3.57E-02	3.648E-02	3.743E-02	3.861E-02	4.004E-C2
2.00E-02----5.00E-02	1.086E-02	1.090E-02	1.097E-02	1.106E-02	1.119E-02	1.134E-02	1.152E-02	1.172E-02
ENERGY GROUP (MEV)	ANGLE 10 MU= 0.0950	ANGLE 11 MU= C.2816	ANGLE 12 MU= C.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 MU= C.9894
8.00E 00----1.00E C1	2.719E-06	3.991E-06	5.638E-06	8.709E-06	4.738E-05	4.630E-05	1.520E-04	8.71E-04
6.50E 00----8.00E 00	8.240E-C0	1.269E-05	1.692E-05	2.389E-05	4.800E-05	1.375E-04	4.780E-04	7.992E-04
5.00E 00----6.50E 00	6.676E-05	9.504E-05	1.266E-04	1.812E-04	3.379E-04	8.382E-04	2.446E-03	3.655E-03
4.00E 00----5.00E 00	3.526E-05	5.602E-05	6.275E-05	7.214E-05	1.674E-04	5.693E-04	1.719E-03	2.357E-03
3.00E 00----4.00E 00	4.676E-05	7.152E-05	7.152E-05	1.075E-04	2.633E-04	7.693E-04	2.666E-03	5.117E-03
2.50E 00----3.00E 00	4.334E-05	5.786E-05	7.434E-05	1.394E-04	3.673E-04	9.691E-04	2.309E-03	5.454E-03
2.00E 00----2.50E 00	4.532E-05	5.545E-05	9.376E-05	2.208E-04	5.441E-04	1.230E-03	2.517E-03	3.552E-03
1.66E 00----2.00E 00	3.649E-05	4.716E-05	1.264E-04	3.435E-04	7.775E-04	1.517E-03	2.672E-03	4.043E-03
1.33E 00----1.66E 00	3.967E-05	7.247E-05	2.245E-04	5.600E-04	1.109E-03	1.867E-03	2.829E-03	4.897E-03
1.00E 00----1.33E 00	6.040E-05	1.704E-04	4.460E-04	9.155E-04	1.531E-03	2.185E-03	2.775E-03	5.930E-03
8.00E-01----1.00E 00	1.984E-04	4.571E-04	b.633E-04	1.383E-03	1.928E-03	2.384E-03	2.675E-03	3.318E-03
6.00E-01----8.00E 00	5.774E-04	1.012E-03	1.467E-03	1.877E-03	2.022E-03	2.440E-03	2.689E-03	2.903E-03
4.00E-01----6.00E 01	1.989E-03	2.414E-03	2.741E-03	2.979E-03	3.203E-03	3.511E-03	3.957E-03	4.40E-03
3.00E-01----4.00E-01	2.816E-03	2.892E-03	3.045E-03	3.343E-03	3.748E-03	4.133E-03	4.380E-03	4.472E-03
2.00E-01----3.00E-01	4.302E-03	4.537E-03	4.834E-03	5.160E-C3	5.500E-03	5.852E-03	6.191E-03	5.839E-02
1.00E-01----2.00E-01	1.463E-02	1.554E-02	1.761E-02	1.868E-02	1.969E-02	2.051E-02	2.1C3E-C2	1.866E-01
5.00E-02----1.00E-01	4.361E-02	4.571E-02	4.795E-02	5.025E-C2	5.248E-02	5.448E-02	5.605E-02	5.70CE-02
2.00E-02----5.00E-02	1.194E-02	1.2128E-02	1.242E-02	1.266E-C2	1.288E-02	1.308E-02	1.320E-02	1.328E-C2

4 PI R**2 FLUENCE AT 150.0 METERS

THERMIONUCLEAR SOURCE

(GAMMAS/MEV/STERADIAN/SOURCE NEUTRON)									
ENERGY	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
GROUP (MEV)	MU=1.000	MU=-1.000	MU=0.9446	MU=-0.8656	MU=-0.7550	MU=-0.6179	MU=-0.4580	MU=-0.2610	MU=-0.0950
8.00E 00----1.00E 01	-1.174E-07	-1.141E-07	9.509E-08	4.086E-07	5.314E-07	4.786E-07	3.289E-07	2.617E-07	4.421E-07
6.50E 00----8.10E 00	-1.698E-06	-1.265E-06	3.071E-08	1.217E-06	1.678E-06	1.678E-06	8.22E-07	4.467E-07	1.622E-06
5.00E 00----6.50E 00	-3.850E-06	1.875E-06	3.262E-06	1.067E-05	1.355E-05	1.269E-05	6.353E-05	7.092E-06	1.198E-05
4.00E 00----5.00E 00	-1.022E-05	-1.022E-05	-2.23E-06	5.624E-C6	1.277E-05	6.187E-06	-1.001E-06	-2.531E-06	2.607E-06
3.00E 00----4.00E 00	-1.368E-05	-1.455E-05	-3.494E-07	7.196E-05	1.359E-C5	6.938E-06	6.743E-07	6.066E-07	6.366E-06
2.50E 00----3.00E 00	-6.41E-06	-7.21E-06	4.484E-07	6.496E-06	7.878E-06	4.790E-06	1.216E-06	2.662E-06	8.451E-06
2.00E 00----2.50E 00	7.786E-06	7.446E-06	6.553E-06	4.232E-06	2.857E-06	3.246E-06	6.027E-06	1.029E-05	1.362E-05
1.60E 00----2.00E 00	2.398E-05	2.146E-05	9.187E-06	-1.145E-06	-4.313E-06	2.853E-07	1.001E-05	1.786E-05	1.547E-05
1.33E 00----1.60E 00	3.612E-05	3.176E-05	1.220E-05	1.111E-06	-4.111E-06	6.030E-07	1.712E-05	1.410E-05	2.516E-05
1.00E 00----1.33E 00	2.691E-05	2.277E-05	7.362E-06	-4.262E-06	-4.353E-06	3.946E-06	1.696E-05	1.885E-05	1.115E-05
8.00E-01----1.00E 00	-1.059E-05	-1.059E-05	-1.938E-06	6.529E-06	1.573E-05	1.468E-05	6.652E-06	6.452E-06	2.517E-05
6.00E-01----8.00E-01	-4.624E-05	-3.327E-05	-2.075E-05	2.075E-05	1.941E-05	7.545E-06	3.288E-05	1.296E-05	1.296E-04
4.00E-01----6.00E-01	1.717E-04	1.717E-04	1.093E-04	1.093E-04	1.879E-04	2.463E-04	3.625E-04	5.402E-04	7.015E-04
3.00E-01----4.00E-01	2.164E-04	2.663E-04	3.097E-04	3.097E-04	5.402E-04	7.784E-04	1.019E-03	1.214E-03	1.318E-03
2.00E-01----3.00E-01	2.171E-03	2.183E-03	2.182E-03	2.182E-03	2.158E-03	2.099E-03	2.033E-03	1.985E-03	1.985E-03
1.00E-01----2.00E-01	5.394E-03	5.328E-03	5.490E-03	5.490E-03	5.625E-03	5.803E-03	6.022E-03	6.288E-03	6.602E-03
5.00E-02----1.00E-01	1.672E-02	1.688E-02	1.711E-02	1.714E-02	1.744E-02	1.787E-02	1.842E-02	1.908E-02	1.984E-02
2.00E-02----5.00E-02	5.169E-03	5.169E-03	5.186E-03	5.210E-03	5.260E-03	5.317E-03	5.388E-03	5.468E-03	5.500E-03
ENERGY	ANGLE 10	ANGLE 11	ANGLE 12	ANGLE 13	ANGLE 14	ANGLE 15	ANGLE 16	ANGLE 17	SCALAK
GROUP (MEV)	MU= 0.950	MU= 0.2816	MU= 0.4580	MU= 0.6175	MU= 0.7550	MU= 0.8656	MU= 0.9446	MU= 0.9894	FLUX
8.00E 00----1.00E 01	8.709E-07	1.381E-06	4.603E-06	5.438E-06	6.248E-06	1.392E-06	1.677E-05	4.012E-04	1.224E-04
6.50E 00----8.00E 00	2.800E-06	4.603E-06	5.438E-06	6.248E-06	5.401E-05	1.067E-05	3.271E-04	2.266E-04	1.295E-04
5.00E 00----6.50E 00	3.234E-05	3.349E-05	4.605E-05	5.442E-05	5.902E-05	5.902E-05	1.137E-03	4.889E-03	1.712E-03
4.00E 00----5.00E 00	1.478E-05	2.414E-05	2.127E-05	1.442E-05	1.442E-05	2.503E-04	8.945E-04	2.905E-03	1.132E-03
3.00E 00----4.00E 00	2.670E-05	2.429E-05	2.670E-05	2.808E-05	9.902E-05	3.666E-04	1.077E-03	2.755E-03	1.322E-03
2.50E 00----3.00E 00	1.623E-05	1.952E-05	2.082E-05	4.632E-05	1.616E-04	4.837E-04	1.198E-03	2.252E-03	1.485E-03
2.00E 00----2.50E 00	1.387E-05	1.399E-05	2.812E-05	9.255E-05	2.644E-04	6.293E-04	1.497E-03	2.428E-03	1.701E-03
1.00E 00----2.00E 00	4.666E-06	5.097E-06	1.875E-06	1.001E-04	2.844E-04	5.755E-04	7.628E-04	2.145E-03	1.947E-03
1.33E 00----1.66E 00	1.581E-06	1.676E-05	2.288E-04	4.813E-04	7.948E-04	9.498E-04	1.377E-03	1.463E-03	2.338E-03
1.00E 00----1.33E 00	1.676E-05	1.676E-05	4.022E-04	7.146E-04	1.154E-04	1.095E-03	1.314E-03	1.456E-03	2.906E-03
8.00E-01----1.00E 00	2.369E-04	9.547E-05	9.312E-04	1.056E-03	1.143E-03	1.220E-03	1.291E-03	1.297E-03	3.753E-03
6.00E-01----8.00E-01	3.027E-04	5.258E-04	7.497E-04	1.312E-03	1.398E-03	1.474E-03	1.597E-03	1.782E-03	1.663E-03
4.00E-01----6.00E-01	9.062E-04	1.184E-03	1.311E-03	1.421E-03	1.555E-03	1.736E-03	1.893E-03	1.971E-03	1.976E-03
3.00E-01----4.00E-01	1.350E-03	1.363E-03	1.421E-03	1.555E-03	1.555E-03	2.075E-03	2.675E-03	2.911E-03	3.271E-03
2.00E-01----3.00E-01	2.139E-03	2.266E-03	2.399E-03	2.534E-03	2.675E-03	3.095E-03	3.456E-03	3.603E-03	3.819E-03
1.00E-01----2.00E-01	6.965E-03	7.373E-03	7.818E-03	8.284E-03	8.746E-03	9.10E-03	9.511E-03	9.722E-03	8.819E-02
5.00E-02----1.00E-01	2.070E-02	2.165E-02	2.256E-02	2.366E-02	2.464E-02	2.550E-02	2.617E-02	2.657E-02	2.663E-01
2.00E-02----5.00E-02	5.661E-03	5.768E-03	5.875E-03	5.980E-03	6.056E-03	6.216E-03	6.421E-03	6.625E-03	7.092E-02

4 AI R**2 FLUENCE AT 180°C METERS

THERMUNUCLEAR SOURCE

(GAMMAS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=-C*0.894	ANGLE 2 MU=-C*0.9446	ANGLE 3 MU=-C*0.9556	ANGLE 4 MU=-0.8556	ANGLE 5 MU=0.7550	ANGLE 6 MU=-C*0.6179	ANGLE 7 MU=-0.458L	ANGLE 8 MU=-C*2816	ANGLE 9 MU=-C*0.95C
6.00E 00---1.00E 01	-1.900E-07	-1.429E-07	3.913E-10	1.363E-07	2.127E-07	1.688E-07	3.729E-08	2.018E-C6	1.C38E-07
6.50E 00---8.00E 00	-1.143E-06	-9.659E-07	1.557E-07	4.131E-07	9.341E-07	4.788E-07	-6.016E-07	-2.079E-07	1.508E-07
5.00E 00---6.50E 00	-3.741E-06	-2.705E-06	1.647E-07	3.871E-06	4.921E-06	4.097E-06	1.144E-06	1.144E-06	3.C57E-06
4.00E 00---5.00E 00	-9.197E-06	-7.419E-06	1.783E-06	2.505E-06	6.086E-06	2.202E-06	-1.829E-06	-2.767E-06	1.379E-06
3.00E 00---4.00E 00	-2.08E-06	-6.405E-06	1.506E-06	3.006E-06	6.132E-06	2.235E-06	-1.493E-06	-1.679E-06	1.493E-06
2.50E 00---3.00E 00	-6.041E-06	-3.074E-06	6.437E-08	2.132E-06	3.503E-06	1.025E-06	-5.619E-07	-8.068E-08	2.849E-06
2.00E 00---2.50E 00	-3.616E-06	3.346E-06	2.341E-06	7.887E-07	7.796E-08	4.190E-07	1.849E-06	4.017E-06	5.095E-06
1.66E 00---2.00E 00	1.224E-05	1.224E-05	3.984E-06	-1.857E-06	-3.021E-06	3.702E-06	-3.021E-07	8.326E-05	4.431E-06
1.33E 00---1.66E 00	1.339E-05	1.565E-05	5.21CE-06	-3.646E-06	-5.513E-06	2.922E-06	1.144E-06	1.144E-05	3.C19E-06
1.00E 00---1.33E 00	1.271E-05	1.058E-05	2.807E-06	-3.10CE-06	-3.044E-06	1.215E-06	7.505E-06	7.160E-06	6.613E-07
8.00E-01---1.00E 00	-8.391E-06	-7.617E-06	-2.205E-06	-2.709E-06	7.462E-06	5.863E-06	5.015E-07	-8.273E-07	9.303E-06
6.00E-01---8.00E-01	-2.359E-05	-1.883E-05	-3.406E-05	-9.311E-06	1.670E-05	5.402E-06	-1.130E-06	-1.331E-05	6.282E-05
4.00E-01---6.00E-01	-8.420E-05	8.286E-05	7.858E-05	7.608E-05	8.469E-05	1.136E-04	1.144E-04	2.625E-04	3.7C8E-04
3.00E-01---4.00E-01	9.140E-05	9.647E-05	1.211E-04	1.759E-04	2.651E-04	3.802E-04	4.959E-04	5.841E-04	6.270E-04
2.00E-01---3.00E-01	1.053E-03	1.053E-03	1.057E-03	1.053E-03	1.033E-03	9.917E-04	9.644E-04	9.318E-04	9.264E-04
1.00E-01---2.00E-01	2.502E-03	2.508E-03	2.533E-03	2.578E-03	2.641E-03	2.723E-03	2.824E-03	2.945E-03	3.C86E-03
5.00E-02---1.00E-01	7.818E-03	7.631E-03	7.888E-03	7.992E-03	8.142E-03	8.341E-03	8.587E-03	8.863E-C3	9.224E-03
2.00E-02---5.00E-02	2.402E-03	2.403E-03	2.411E-03	2.425E-03	2.444E-03	2.470E-03	2.501E-03	2.538E-03	2.579E-C3
ENERGY GROUP (MEV)	ANGLE 11 MU= C*0.950	ANGLE 12 MU= 0.4580	ANGLE 13 MU= C*0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 MU= 0.9894	SCALAR FLUX	
8.00E 00---1.00E 01	3.086E-07	5.171E-07	6.915E-07	7.005E-07	1.683E-06	7.173E-06	3.533E-05	6.654E-05	
6.50E 00---6.00E 00	1.060E-06	1.873E-06	1.804E-06	1.150E-06	3.272E-06	2.031E-05	1.033E-04	6.831E-04	1.799E-04
5.00E 00---5.00E 00	1.890E-06	1.232E-05	1.34CE-05	1.388E-05	3.17CE-05	1.252E-04	5.119E-04	2.290E-C3	7.572E-04
4.00E 00---5.00E 00	5.695E-06	6.611E-06	6.611E-06	-1.029E-06	1.360E-05	1.116E-04	4.494E-04	1.511E-03	5.388E-04
3.00E 00---4.00E 00	8.143E-06	1.111E-05	6.725E-06	4.093E-06	3.641E-05	1.733E-04	5.424E-04	1.433E-03	6.231E-04
2.50E 00---3.00E 00	6.402E-06	6.583E-06	4.514E-06	1.458E-05	7.199E-05	2.377E-04	6.000E-04	1.316E-03	6.988E-04
2.00E 00---2.50E 00	3.865E-06	2.032E-06	7.847E-06	3.968E-05	1.276E-04	3.130E-04	6.415E-04	1.156E-03	8.C28E-04
1.66E 00---2.00E 00	-2.164E-06	-4.671E-07	1.776E-05	7.994E-05	1.997E-04	3.397E-04	6.538E-04	9.870E-04	9.238E-04
1.33E 00---1.66E 00	-3.829E-06	4.255E-06	4.635E-05	1.427E-04	2.891E-04	4.60E-04	6.473E-04	8.218E-04	1.104E-03
1.00E 00---1.33E 00	5.014E-06	3.539E-05	1.150E-04	2.436E-04	3.953E-04	5.264E-04	6.013E-04	6.266E-04	1.381E-03
8.00E-01---1.00E 00	4.622E-05	1.194E-04	2.275E-04	3.537E-04	4.681E-04	5.395E-C4	5.561E-04	5.337E-04	1.765E-03
6.00E-01---8.00E-01	1.523E-04	2.630E-04	3.681E-04	4.454E-04	4.911E-04	5.188E-04	5.455E-04	5.722E-04	2.408E-03
4.00E-01---6.00E-01	4.787E-04	5.644E-04	6.172E-04	6.435E-04	6.681E-04	7.179E-04	7.977E-04	8.749E-04	5.083E-03
3.00E-01---4.00E-01	6.327E-04	6.303E-04	6.528E-04	7.131E-04	7.932E-04	8.571E-04	8.802E-04	8.729E-04	7.145E-03
2.00E-01---3.00E-01	9.487E-04	1.046E-04	1.160E-03	1.154E-03	1.211E-03	1.267E-03	1.3C9E-03	1.292E-02	
1.00E-01---2.00E-01	3.248E-C3	3.429E-03	3.624E-03	3.826E-03	4.023E-03	4.202E-03	4.334E-03	4.431E-03	4.161E-02
5.00E-02---1.00E-01	9.608E-03	1.0CC2E-02	1.046E-02	1.090E-02	1.132E-02	1.169E-02	1.197E-02	1.214E-02	1.206E-01
2.00E-02---5.00E-02	2.623E-03	2.670E-03	2.717E-03	2.763E-03	2.804E-03	2.839E-03	2.866E-03	2.886E-03	2.905E-02

^4Pi R**2 HENDERSON DOSE (NEUTRONS)
 $(\text{CM}^{**2} \text{ RAD/STERADIANT/SOURCE NEUTRON})$

THERMONUCLEAR SOURCE

COSINE	75.0	100.0	150.0	RANGE (METERS)			
				200.0	250.0	300.0	400.0
-1.00000E+00	5.386E-11	7.73E-11	7.844E-11	7.711E-11	7.285E-11	6.032E-11	
-9.89401E-01	5.409E-11	6.363E-11	7.501E-11	7.871E-11	7.737E-11	7.309E-11	6.051E-11
-9.44575E-01	5.480E-11	6.452E-11	7.598E-11	7.972E-11	7.836E-11	7.402E-11	6.127E-11
-8.65631E-01	5.591E-11	6.585E-11	7.757E-11	8.138E-11	7.997E-11	7.558E-11	6.261E-11
-7.55044E-01	5.736E-11	6.762E-11	7.977E-11	8.38CE-11	8.253E-11	7.803E-11	6.468E-11
-6.17876E-01	5.964E-11	7.034E-11	8.355E-11	8.733E-11	8.598E-11	8.135E-11	6.752E-11
-4.58017E-01	6.282E-11	7.412E-11	8.761E-11	9.228E-11	9.095E-11	8.613E-11	7.159E-11
-2.81605E-01	6.771E-11	7.985E-11	9.49E-11	9.946E-11	9.808E-11	9.590E-11	7.725E-11
-9.50125E-02	7.467E-11	8.786E-11	1.037E-10	1.093E-10	1.077E-10	1.020E-10	8.480E-11
9.50125E-02	1.060E-10	9.972E-11	1.239E-10	1.263E-10	1.248E-10	1.130E-10	9.483E-11
2.81605E-01	1.24E-10	1.173E-10	1.333E-10	1.362E-10	1.336E-10	1.304E-10	1.073E-10
4.58017E-01	1.140E-10	1.377E-10	1.467E-10	1.646E-10	1.622E-10	1.495E-10	1.243E-10
6.17876E-01	1.391E-10	1.691E-10	1.446E-10	1.937E-10	1.885E-10	1.802E-10	1.479E-10
7.55044E-01	1.973E-10	2.65E-10	2.355E-10	2.495E-10	2.428E-10	2.252E-10	1.847E-10
8.65631E-01	2.857E-10	3.162E-10	3.521E-10	3.439E-10	3.293E-10	3.070E-10	2.471E-10
9.44575E-01	6.451E-10	6.036E-10	5.80E-10	5.734E-10	5.309E-10	4.795E-10	3.735E-10
9.89401E-01	5.824E-C9	5.073E-C9	3.912E-C9	3.054E-09	2.392E-09	1.886E-09	1.181E-09
TOTAL	2.465E-C9	2.481E-C9	2.490E-C9	2.393E-09	2.229E-09	2.025E-C9	1.599E-09
COSINE	500.0	600.0	700.0	800.0	900.0	1000.0	1100.0
-1.00000E+00	4.694E-11	3.514E-11	1.290E-11	4.239E-12	1.311E-12	3.904E-13	
-9.89401E-01	4.709E-11	3.524E-11	1.294E-11	4.251E-12	1.315E-12	3.915E-13	
-9.44575E-01	4.768E-11	3.569E-11	1.311E-11	4.306E-12	1.332E-12	3.966E-13	
-8.65631E-01	4.874E-11	3.650E-11	1.341E-11	4.406E-12	1.342E-12	4.062E-13	
-7.55044E-01	5.038E-11	3.774E-11	1.388E-11	4.564E-12	1.412E-12	4.209E-13	
-6.17876E-01	5.265E-11	3.947E-11	1.454E-11	4.786E-12	1.492E-12	4.417E-13	
-4.58017E-01	5.587E-11	4.191E-11	1.548E-11	5.089E-12	1.676E-12	5.698E-13	
-2.81605E-01	6.031E-11	4.525E-11	1.669E-11	5.494E-12	1.701E-12	6.070E-13	
-9.50125E-02	6.619E-11	4.965E-11	1.829E-11	6.018E-12	1.862E-12	5.568E-13	
9.50125E-02	5.50125E-11	7.380E-11	2.035E-11	6.688E-12	2.068E-12	6.157E-13	
2.81605E-01	8.366E-11	6.264E-11	2.300E-11	7.548E-12	2.332E-12	6.940E-13	
4.58017E-01	9.661E-11	7.228E-11	2.644E-11	8.678E-12	2.679E-12	7.70E-13	
6.17876E-01	1.148E-10	8.573E-11	3.128E-11	1.023E-11	3.154E-12	9.372E-13	
7.55044E-01	1.425E-10	1.060E-10	3.844E-11	1.247E-11	3.830E-12	1.135E-12	
8.65631E-01	1.886E-10	1.39CE-10	4.937E-11	1.587E-11	4.83CE-12	1.222E-12	
9.44575E-01	2.780E-10	2.008E-10	6.837E-11	2.137E-11	6.381E-12	1.851E-12	
9.89401E-01	7.475E-10	4.769E-10	1.275E-10	3.479E-11	9.549E-12	2.620E-12	
TOTAL	1.207E-C9	8.852E-10	3.134E-10	1.01CE-10	3.086E-11	9.118E-12	

4 PI R**2 SNYDER-NEUFFEL DOSE (NEUTRONS)
(CNR**2 RAD/STERADIAN/SOURCE NEUTRON)

THERMONUCLEAR SOURCE

COS INL	75.0	100.0	150.0	RANGE (METERS)	200.0	250.0	300.0	400.0
-1.00000E 00	1.518E-10	1.837E-10	2.227E-10	2.309E-10	2.236E-10	2.069E-10	1.636E-10	1.641E-10
-9.89401E-01	1.522E-10	2.213E-10	2.216E-10	2.074E-10	2.074E-10	2.096E-10	1.658E-10	1.658E-10
-9.44575E-01	1.539E-10	1.862E-10	2.237E-10	2.340E-10	2.266E-10	2.096E-10	1.688E-10	1.688E-10
-8.65631E-01	1.567E-10	1.897E-10	2.278E-10	2.383E-10	2.307E-10	2.134E-10	1.735E-10	1.735E-10
-7.5044E-01	1.607E-10	1.946E-10	2.446E-10	2.446E-10	2.370E-10	2.192E-10	1.798E-10	1.798E-10
-6.17876E-01	1.666E-10	2.016E-10	2.422E-10	2.535E-10	2.455E-10	2.272E-10	1.885E-10	1.885E-10
-4.58017E-01	1.746E-10	2.112E-10	2.535E-10	2.654E-10	2.571E-10	2.380E-10	2.524E-10	2.000E-10
-2.81605E-01	1.860E-10	2.246E-10	2.691E-10	2.817E-10	2.738E-10	2.738E-10	2.148E-10	2.148E-10
-9.50125E-02	2.014E-10	2.423E-10	2.894E-10	3.029E-10	2.932E-10	2.711E-10	2.885E-10	2.885E-10
9.50125E-02	2.657E-10	2.801E-10	3.398E-10	3.441E-10	3.355E-10	3.355E-10	2.355E-10	2.355E-10
2.81605E-01	2.600E-10	2.981E-10	3.503E-10	3.550E-10	3.408E-10	3.284E-10	2.558E-10	2.558E-10
4.58017E-01	2.942E-10	3.567E-10	3.830E-10	4.123E-10	3.994E-10	3.595E-10	2.870E-10	2.870E-10
6.17876E-01	3.277E-10	4.057E-10	4.656E-10	4.658E-10	4.446E-10	4.156E-10	3.256E-10	3.256E-10
7.55644E-01	4.235E-10	4.607E-10	5.360E-10	5.568E-10	5.344E-10	4.863E-10	3.844E-10	3.844E-10
8.65631E-01	5.961E-10	6.782E-10	7.282E-10	7.694E-10	6.679E-10	6.776E-10	6.776E-10	6.776E-10
9.44575E-01	1.122E-09	1.088E-C9	1.067E-09	1.045E-09	9.622E-10	8.619E-10	6.595E-09	6.595E-09
9.89401E-01	8.542E-09	7.406E-C9	5.122E-09	4.487E-09	3.531E-09	2.804E-C9	1.771E-09	1.771E-09
TOTAL	4.921E-C9	5.204E-C9	5.494E-09	5.396E-09	5.046E-09	4.551E-09	3.515E-09	

COSINE	500.0	600.0	700.0	RANGE (METERS)	900.0	1000.0	1200.0	1500.0	1800.0
-1.00000E 00	1.223E-10	8.877E-11	3.108E-11	1.005E-11	3.087E-12	9.157E-13			
-9.89401E-01	1.226E-10	8.899E-11	3.116E-11	1.007E-11	3.094E-12	9.180E-13			
-9.44575E-01	1.239E-10	8.991E-11	3.148E-11	1.018E-11	3.127E-12	9.276E-13			
-8.65631E-01	1.262E-10	9.161E-11	3.208E-11	1.038E-11	3.187E-12	9.456E-13			
-7.55644E-01	1.297E-10	9.416E-11	3.299E-11	1.067E-11	3.278E-12	9.728E-13			
-6.17876E-01	1.345E-10	9.768E-11	3.224E-11	1.108E-11	3.405E-12	1.011E-12			
-4.58017E-01	1.410E-10	1.024E-10	3.593E-11	1.163E-11	3.574E-12	1.061E-12			
-2.81605E-01	1.497E-10	1.087E-10	3.615E-11	1.234E-11	3.793E-12	1.125E-12			
-9.50125E-C2	1.607E-10	1.168E-10	4.095E-11	1.325E-11	4.068E-12	1.207E-12			
9.50125E-C2	1.742E-10	1.270E-10	4.447E-11	1.437E-11	4.412E-12	1.308E-12			
2.81605E-01	1.923E-10	1.395E-10	4.887E-11	1.578E-11	4.841E-12	1.355E-12			
4.58017E-01	2.141E-10	1.556E-10	5.447E-11	1.758E-11	5.390E-12	1.597E-12			
6.17876E-01	2.440E-10	1.772E-10	6.196E-11	1.997E-11	6.181E-12	1.811E-12			
7.55644E-01	2.868E-10	2.082E-10	7.256E-11	2.331E-11	7.123E-12	2.044E-12			
8.65631E-01	3.553E-10	2.568E-10	8.861E-11	2.824E-11	8.573E-12	2.520E-12			
9.44575E-01	4.828E-10	3.448E-10	1.155E-10	3.605E-11	1.078E-11	3.132E-12			
9.89401E-01	1.129E-09	7.250E-10	1.974E-10	5.473E-11	1.521E-11	4.212E-12			
TOTAL	2.589E-C9	1.862E-C9	6.393E-10	2.042E-10	6.222E-11	1.835E-11			

⁴ PLR**2 TISSUE KERMA (NEUTRONS)
(CM**2 ERGS/GRAM/STERADIAN/SOURCE NEUTRON)

THERMONUCLEAR SOURCE

COSINE	75.0	1CC.0	150.0	RANGE (METERS)	200.C	250.0	300.0	400.C	
-1.00000E+00	6.620E-C9	7.798E-09	9.133E-09	9.518E-09	9.294E-09	9.727E-C9	9.156E-C9	8.756E-C9	
-9.89401E-01	6.648E-C9	7.829E-C9	9.167E-C9	9.552E-09	9.326E-09	9.876E-09	9.179E-09	7.179E-C9	
-9.44575E-01	6.739E-C9	7.935E-C9	9.259E-C9	9.676E-09	9.445E-C9	8.867E-C9	7.269E-09	7.269E-09	
-8.65631E-01	6.881E-C9	8.1C4E-09	9.387E-09	9.88CE-09	9.641E-09	9.054E-C9	7.425E-09	7.425E-09	
-7.55044E-01	7.067E-C9	8.329E-C9	9.759E-C9	1.017E-08	9.946E-09	9.342E-09	7.664E-09	7.664E-09	
-6.17876E-01	7.351E-C9	8.666E-09	1.166E-C8	1.059E-08	1.035E-08	9.727E-C9	7.989E-09	7.989E-09	
-4.58017E-01	7.743E-09	9.128E-09	1.070E-08	1.118E-08	1.093E-08	1.028E-C8	8.448E-09	8.448E-09	
-2.81505E-01	8.333E-C9	9.815E-C9	1.150E-C8	1.201E-08	1.175E-08	1.105E-C8	9.083E-09	9.083E-09	
-9.50125E-02	9.164E-C9	1.076E-C8	1.259E-C8	1.314E-08	1.255E-08	1.207E-08	9.924E-09	9.924E-09	
9.50125E-C2	1.258E-08	1.254E-C8	1.582E-C8	1.512E-08	1.493E-08	1.326E-C8	1.105E-08	1.105E-08	
2.81605E-01	1.254E-C8	1.412E-C8	1.618E-C8	1.621E-08	1.575E-08	1.525E-C8	1.239E-08	1.239E-08	
4.58017E-01	1.384E-08	1.711E-C8	1.754E-C8	1.932E-08	1.887E-08	1.732E-08	1.424E-08	1.424E-08	
6.17876E-01	1.669E-08	1.985E-C8	2.275E-C8	2.267E-08	2.183E-08	2.067E-C8	1.677E-08	1.677E-08	
7.55044E-01	2.297E-08	2.413E-C8	2.757E-C8	2.858E-08	2.761E-08	2.698E-08	2.068E-08	2.068E-08	
8.65631E-01	3.345E-08	3.646E-08	3.999E-08	3.889E-08	3.695E-08	3.421E-08	2.729E-08	2.729E-08	
9.44575E-01	7.202E-08	6.766E-C8	6.521E-C8	6.342E-08	5.838E-08	5.254E-C8	4.068E-08	4.068E-08	
9.89401E-01	6.336E-07	5.500E-07	4.228E-07	3.295E-07	2.579E-07	2.032E-07	1.271E-07	1.271E-07	
TOTAL	2.830E-C7	2.866E-07	2.882E-07	2.756E-07	2.558E-07	2.315E-07	1.816E-C7	1.816E-C7	
COSINE	500.0	600.0	700.0	RANGE (METERS)	800.0	900.0	1000.0	1500.C	1800.0
COSINE	500.0	600.0	700.0	RANGE (METERS)	800.0	900.0	1000.0	1500.C	1800.0
-1.00000E+00	5.531E-C9	4.12CE-09	1.503E-09	4.924E-10	1.521E-10	4.525E-11	4.525E-11	4.525E-11	4.525E-11
-9.89401E-01	5.548E-C9	4.134E-09	1.507E-09	4.938E-10	1.525E-10	4.538E-11	4.538E-11	4.538E-11	4.538E-11
-9.44575E-01	5.616E-C9	4.184E-09	1.526E-09	4.999E-10	1.544E-10	4.596E-11	4.596E-11	4.596E-11	4.596E-11
-8.65631E-01	5.739E-09	4.276E-C9	1.560E-09	5.113E-10	1.579E-10	4.700E-11	4.700E-11	4.700E-11	4.700E-11
-7.55044E-01	5.920E-09	4.416E-C9	1.612E-09	5.286E-10	1.633E-10	4.861E-11	4.861E-11	4.861E-11	4.861E-11
-6.17876E-01	6.182E-09	4.611E-C9	1.685E-09	5.330E-10	1.709E-10	5.089E-11	5.089E-11	5.089E-11	5.089E-11
-4.58017E-01	6.52E-09	4.881E-C9	1.786E-09	5.862E-10	1.812E-10	5.395E-11	5.395E-11	5.395E-11	5.395E-11
-2.81605E-01	7.335E-09	5.25CE-C9	1.920E-09	6.301E-10	1.947E-10	5.797E-11	5.797E-11	5.797E-11	5.797E-11
-9.50125E-01	7.693E-09	5.731E-C9	2.094E-09	6.867E-10	2.121E-10	6.311E-11	6.311E-11	6.311E-11	6.311E-11
9.50125E-02	8.513E-09	6.352E-C9	2.317E-09	7.586E-10	2.341E-10	6.962E-11	6.962E-11	6.962E-11	6.962E-11
2.81605E-01	9.590E-C9	7.139E-C9	2.599E-C9	8.5C1E-10	2.621E-10	7.792E-11	7.792E-11	7.792E-11	7.792E-11
4.58017E-01	1.098E-C8	8.170E-C9	2.908E-C9	9.696E-10	2.987E-10	8.075E-11	8.075E-11	8.075E-11	8.075E-11
6.17876E-01	1.292E-08	9.595E-09	3.447E-09	1.133E-09	3.485E-10	1.034E-10	1.034E-10	1.034E-10	1.034E-10
7.55044E-01	1.584E-08	1.173E-08	4.214E-09	1.367E-09	4.190E-10	1.240E-10	1.240E-10	1.240E-10	1.240E-10
8.65631E-01	2.072E-C8	1.521E-08	5.370E-C9	1.721E-09	5.232E-10	1.538E-10	1.538E-10	1.538E-10	1.538E-10
9.44575E-01	3.015E-07	2.173E-08	7.365E-C9	2.298E-09	6.855E-10	1.986E-10	1.986E-10	1.986E-10	1.986E-10
9.89401E-01	8.032E-C8	5.119E-C8	1.364E-C8	3.716E-09	1.018E-09	2.791E-10	2.791E-10	2.791E-10	2.791E-10
TOTAL	1.364E-07	9.969E-C8	3.511E-08	1.129E-08	3.445E-09	1.017E-C9			

$4\pi R^{**2}$ MID-PHANTOM DOSE (NEUTRON)
(CM^{**2} RAD/STERADIAN/SOURCE NEUTRON)

THERMONUCLEAR SOURCE

COSINE	75.0	100.0	150.0	RANGE (METERS)	250.0	300.0	400.0
-1.00000E 00	2.834E-11	3.419E-11	4.099E-11	4.277E-11	4.126E-11	3.798E-11	2.969E-11
-9.89401E-01	2.850E-11	3.437E-11	4.117E-11	4.295E-11	4.142E-11	3.811E-11	2.979E-11
-9.44575E-01	2.897E-11	3.491E-11	4.177E-11	4.360E-11	4.196E-11	3.860E-11	3.015E-11
-8.65631E-01	2.958E-11	3.564E-11	4.261E-11	4.437E-11	4.272E-11	3.931E-11	3.071E-11
-7.55044E-01	3.024E-11	3.646E-11	4.362E-11	4.547E-11	4.391E-11	4.039E-11	3.156E-11
-6.17876E-01	3.127E-11	3.769E-11	4.510E-11	4.703E-11	4.534E-11	4.173E-11	3.265E-11
-4.58017E-01	3.263E-11	3.933E-11	4.708E-11	4.918E-11	4.747E-11	4.375E-11	3.426E-11
-2.81605E-01	3.490E-11	4.199E-11	5.C20E-11	5.244E-11	5.064E-11	4.665E-11	3.659E-11
-9.50125E-02	3.816E-11	4.575E-11	5.450E-11	5.694E-11	5.496E-11	5.060E-11	3.972E-11
9.50125E-02	5.282E-11	5.213E-11	6.309E-11	6.594E-11	6.416E-11	5.448E-11	4.408E-11
2.01605E-01	5.014E-11	5.777E-11	6.842E-11	6.92E-11	6.501E-11	6.294E-11	4.858E-11
4.58017E-01	5.731E-11	7.044E-11	7.541E-11	8.076E-11	7.810E-11	6.968E-11	5.535E-11
6.17876E-01	6.638E-11	7.925E-11	9.041E-11	9.198E-11	8.778E-11	8.261E-11	6.458E-11
7.55044E-01	9.572E-11	9.967E-11	1.132E-10	1.163E-10	1.118E-10	1.011E-10	8.066E-11
8.65631E-01	1.364E-10	1.496E-10	1.642E-10	1.611E-10	1.529E-10	1.413E-10	1.110E-10
9.44575E-01	3.281E-10	3.08E-10	2.907E-10	2.818E-10	2.596E-10	2.334E-10	1.800E-10
9.89401E-01	3.323E-09	2.921E-09	2.283E-09	1.800E-09	1.418E-09	1.120E-09	6.988E-10
TOTAL	1.303E-09	1.310E-09	1.307E-09	1.244E-09	1.139E-09	1.011E-09	7.632E-10
COSINE	500.0	600.0	900.0	RANGE (METERS)	1200.0	1500.0	1800.0
-1.00000E 00	2.194E-11	1.577E-11	5.421E-12	1.738E-12	5.314E-13	1.572E-13	
-9.89401E-01	2.209E-11	1.581E-11	5.436E-12	1.743E-12	5.328E-13	1.576E-13	
-9.44575E-01	2.227E-11	1.600E-11	5.496E-12	1.762E-12	5.385E-13	1.592E-13	
-8.65631E-01	2.268E-11	1.630E-11	5.602E-12	1.796E-12	5.490E-13	1.624E-13	
-7.55044E-01	2.334E-11	1.737E-11	5.761E-12	1.848E-12	5.652E-13	1.672E-13	
-6.17876E-01	2.414E-11	1.826E-11	5.984E-12	1.922E-12	5.882E-13	1.741E-13	
-4.58017E-01	2.536E-11	1.826E-11	6.303E-12	2.026E-12	6.201E-13	1.836E-13	
-2.81605E-01	2.711E-11	1.953E-11	6.745E-12	2.671E-12	6.632E-13	1.962E-13	
-9.50125E-02	2.944E-11	2.122E-11	7.325E-12	2.352E-12	7.191E-13	2.126E-13	
9.50125E-02	3.236E-11	2.342E-11	8.C68E-12	2.587E-12	7.906E-13	2.337E-13	
2.81605E-01	3.622E-11	2.609E-11	9.013E-12	2.891E-12	8.834E-13	2.611E-13	
4.58017E-01	4.105E-11	2.968E-11	1.029E-11	3.306E-12	1.011E-12	2.991E-13	
6.17876E-01	4.827E-11	3.497E-11	1.219E-11	3.226E-12	1.202E-12	3.558E-13	
7.55044E-01	6.031E-11	4.384E-11	1.532E-11	4.929E-12	1.507E-12	4.450E-13	
8.65631E-01	8.307E-11	6.027E-11	2.C88E-11	6.65E-12	2.015E-12	5.907E-13	
9.44575E-01	1.325E-10	9.489E-11	3.171E-11	9.799E-12	2.899E-12	8.340E-13	
9.89401E-01	4.381E-10	2.76CE-10	7.071E-11	1.858E-11	4.943E-12	1.3235E-12	
TOTAL	5.526E-10	3.922E-10	1.310E-10	1.244E-10	1.119E-11	1.242E-11	3.638E-12

⁴ PI R**2 CONCRETE KERMA (NEUTRONS)
(CM**2 ERGS/GRAM/SERADIANS/SOURCE NEUTRON)

THERMONUCLEAR SOURCE

COSINE	75.0	100.0	150.0	RANGE 260.0 METERS	250.0	300.0	400.0
-1.00000E+00	7.351E-1C	8.655E-1C	1.0118E-09	1.065E-09	1.045E-09	9.850E-10	9.127E-10
-9.89401E-01	7.404E-10	8.713E-10	1.0224E-C9	1.071E-09	1.055E-09	9.895E-10	8.160E-10
-9.44575E-01	7.561E-10	8.890E-10	1.043E-C9	1.090E-C9	1.085E-09	1.006E-C9	8.286E-10
-8.65631E-01	7.766E-10	9.128E-10	1.070E-C9	1.117E-09	1.092E-09	1.029E-C9	8.480E-10
-7.55244E-01	7.981E-10	9.389E-10	1.111C1E-C9	1.151E-09	1.130E-09	1.065E-C9	8.772E-10
-6.17876E-01	8.305E-10	9.77CE-1A	1.147E-09	1.199E-C9	1.175E-09	1.108E-C9	9.140E-10
-4.58017E-01	8.719E-1C	1.026E-09	1.206E-09	1.264E-09	1.245E-09	1.171E-C9	9.675E-10
-2.81605E-01	9.408E-10	1.106E-09	1.300E-C9	1.363E-09	1.335E-09	1.263E-09	1.045E-09
-9.50125E-02	1.041E-09	1.222E-C9	1.433E-09	1.502E-09	1.475E-09	1.391E-09	1.149E-09
9.50125E-02	1.485E-09	1.455E-C9	1.754E-09	1.742E-09	1.715E-09	1.545E-09	1.289E-09
2.81605E-01	1.631E-09	1.639E-09	1.901E-C9	1.978E-09	1.889E-09	1.781E-09	1.460E-09
4.58017E-01	1.611E-09	1.958E-C9	2.054E-09	2.273E-C9	2.222E-09	2.049E-C9	1.691E-09
6.17876E-01	1.974E-09	2.353E-C9	2.689E-09	2.686E-09	2.601E-09	2.472E-C9	2.015E-09
7.55244E-01	2.929E-C9	3.011E-C9	3.334E-09	3.483E-09	3.120E-09	2.542E-09	2.054E-09
8.65631E-01	4.236E-09	5.094E-09	5.994E-09	6.945E-09	4.711E-09	4.371E-C9	3.494E-09
9.44575E-01	1.033E-C8	9.431E-09	9.255E-09	8.718E-C9	8.00CE-09	7.193E-C9	5.551E-09
9.89401E-01	1.050E-07	9.134E-C8	7.010E-C8	5.443E-08	4.233E-08	3.310E-C8	2.035E-08
TOTAL	3.931E-08	3.675E-08	3.777E-08	3.556E-08	3.263E-08	2.931E-C8	2.274E-08
COSINE	500.0	600.0	900.0	RANGE 120.0 METERS	900.0	1200.0	1800.0
-1.00000E+00	6.307E-10	4.712E-1C	1.0725E-10	5.657E-11	1.747E-11	5.200E-12	
-9.89401E-C1	6.332E-10	4.729E-1C	1.0731E-10	5.675E-11	1.755E-11	5.216E-12	
-9.44575E-01	6.425E-10	4.795E-1C	1.0754E-10	5.749E-11	1.775E-11	5.283E-12	
-8.65631E-01	6.577E-10	4.910E-1C	1.0796E-10	5.887E-11	1.810E-11	5.410E-12	
-7.55244E-01	6.803E-10	5.080E-1C	1.0858E-10	6.093E-11	1.889E-11	5.602E-12	
-6.17876E-01	7.C97E-10	5.305E-1C	1.0944E-10	6.382E-11	1.975E-11	5.873E-12	
-4.58017E-01	7.521E-10	5.622E-1C	2.0515E-10	6.730E-11	2.095E-11	6.241E-12	
-2.81605E-01	8.122E-10	6.079E-1C	2.4229E-10	7.315E-11	2.265E-11	6.728E-12	
-9.50125E-02	8.929E-10	6.675E-1C	2.4444E-10	8.013E-11	2.478E-11	7.356E-12	
9.50125E-02	9.978E-1C	7.455E-1C	2.7224E-10	8.9C4E-11	2.745E-11	8.156E-12	
2.81605E-01	1.133E-C9	8.444E-10	3.0724E-10	3.095E-10	3.095E-10	9.180E-12	
4.58017E-01	1.307E-C9	9.738E-10	3.537E-10	1.154E-10	3.549E-11	1.053E-11	
6.17876E-01	1.556E-C9	1.157E-09	4.188E-10	1.363E-10	4.184E-11	1.240E-11	
7.55244E-01	1.951E-C9	1.445E-C9	5.179E-10	1.674E-10	5.135E-11	1.509E-11	
8.65631E-C1	2.651E-09	1.944E-C9	6.8125E-10	2.166E-09	6.554E-11	1.913E-11	
9.44575E-01	4.097E-09	2.938E-C9	9.792E-10	3.008E-10	8.852E-11	2.540E-11	
9.89401E-01	1.263E-C8	7.90CE-C9	2.000E-09	5.229E-10	1.395E-10	3.725E-11	
TOTAL	1.696E-08	1.232E-C8	4.0283E-C9	1.3666E-09	4.144E-10	1.218E-10	

^4PI R^{**2} AIR KERMA (NEUTRONS)
(CM^{**2} ERGS/GRAM/STERADIAN/SOURCE NEUTRON)

THERMONUCLEAR SOURCE

COSINE	75.0	100.0	150.0	RANGE (METERS) 200.0	250.0	300.0	400.0
-1.00000E 00	9.124E-10	1.139E-C9	1.4666E-09	1.6233E-09	1.636E-09	1.554E-C9	1.255E-09
-9.89401E-01	9.204E-10	1.147E-09	1.475E-09	1.6315E-09	1.6444E-09	1.560E-C9	1.260E-09
-9.44575E-01	9.172E-10	1.172E-09	1.502E-09	1.658E-09	1.669E-09	1.57E-09	1.277E-09
-8.65631E-01	9.679E-10	1.202E-C9	1.537E-09	1.692E-09	1.701E-09	1.633E-C9	1.302E-09
-7.55044E-01	9.897E-10	1.23CE-C9	1.573E-09	1.734E-C9	1.749E-09	1.699E-C9	1.339E-09
-6.17876E-01	1.022E-C9	1.270E-C9	1.623E-09	1.791E-09	1.803E-09	1.771E-C9	1.383E-09
-4.58017E-01	1.062E-09	1.319E-09	1.687E-09	1.866E-09	1.882E-09	1.788E-09	1.448E-09
-2.81605E-01	1.137E-09	1.407E-C9	1.797E-09	1.986E-09	2.003E-09	1.904E-09	1.544E-09
-9.50125E-02	1.249E-C9	1.538E-C9	1.954E-09	2.155E-09	2.171E-09	2.067E-09	1.674E-09
9.50125E-02	1.788E-09	1.691E-C9	2.04E-09	2.261E-09	2.482E-09	2.251E-09	1.848E-09
2.81605E-01	1.678E-09	2.012E-C9	2.534E-09	2.603E-09	2.605E-09	2.555E-09	2.056E-09
4.58017E-01	1.876E-09	2.356E-09	2.706E-09	3.089E-09	3.095E-09	2.864E-09	2.337E-09
6.17876E-01	2.312E-C9	2.799E-C9	3.364E-09	3.542E-09	3.521E-09	3.321E-C9	2.411E-09
7.55044E-01	3.604E-09	3.732E-C9	4.265E-09	4.587E-09	4.536E-09	4.229E-09	3.434E-09
8.65631E-01	5.121E-09	5.767E-C9	6.515E-09	6.333E-09	6.348E-09	5.957E-C9	4.767E-09
9.44575E-01	1.397E-C8	1.255E-C8	1.222E-08	1.196E-08	1.113E-08	1.007E-08	7.805E-C9
9.89401E-01	1.584E-C7	1.357E-07	1.052E-07	8.234E-08	6.439E-08	5.030E-08	3.109E-08
TOTAL	5.274E-C8	5.226E-C8	5.223E-C8	5.056E-08	4.712E-08	4.257E-08	3.266E-08
COSINE	500.0	600.0	900.0	RANGE (METERS) 1200.0	1500.0	1800.0	
COSINE	500.0	600.0	900.0	RANGE (METERS) 1200.0	1500.0	1800.0	
-1.00000E 00	9.364E-10	6.733E-10	2.299E-10	7.360E-11	2.252E-11	6.669E-12	
-9.89401E-01	9.397E-10	6.755E-10	2.300E-10	7.38CE-11	2.258E-11	6.666E-12	
-9.44575E-01	9.519E-10	6.84CE-10	2.322E-10	7.462E-11	2.283E-11	6.758E-12	
-8.65631E-01	9.707E-10	6.975E-10	2.379E-10	7.611E-11	2.328E-11	6.883E-12	
-7.55044E-01	9.983E-10	7.175E-10	2.448E-10	7.834E-11	2.397E-11	7.098E-12	
-6.17876E-01	7.432E-10	5.422E-10	8.542E-10	2.495E-11	7.391E-12	7.391E-12	
-4.58017E-01	1.083E-C9	7.807E-10	2.676E-10	8.585E-11	2.633E-11	7.733E-12	
-2.81605E-01	1.157E-09	8.342E-10	2.863E-10	9.844E-11	2.813E-11	8.332E-12	
-9.50125E-02	1.256E-C9	9.058E-10	3.111E-10	9.972E-11	3.052E-11	9.044E-12	
9.50125E-02	1.384E-C9	9.992E-10	3.431E-10	1.099E-10	3.360E-11	9.939E-12	
2.81605E-01	1.566E-09	1.117E-C9	3.841E-10	1.230E-10	3.760E-11	1.112E-11	
4.58017E-01	1.757E-09	1.273E-C9	4.393E-10	1.408E-10	4.3C7E-11	1.274E-11	
6.17876E-01	2.068E-C9	1.502E-09	5.207E-10	1.671E-10	5.108E-11	1.504E-11	
7.55044E-01	2.591E-09	1.884E-09	6.531E-10	2.088E-10	6.357E-11	1.822E-11	
8.65631E-01	3.579E-09	2.591E-09	8.859E-10	2.791E-10	8.393E-11	2.448E-11	
9.44575E-01	5.722E-C9	4.079E-09	1.335E-09	4.058E-10	1.186E-10	3.358E-11	
9.89401E-01	1.923E-C8	1.195E-08	2.956E-09	7.567E-10	1.977E-10	5.227E-11	
TOTAL	2.376E-C8	1.682E-C8	5.560E-C9	1.737E-09	5.225E-10	1.528E-10	

4 PI R**2 IONIZING SILICON KERMA (NEUTRONS)
(CH**2 ERGS/GRAM/STERADIAN/SOURCE NEUTRON)

THERMONUCLEAR SOURCE

COSINE	75.0	100.0	150.0	RANGE (METERS)	250.0	300.0	400.0
-1.00000E+00	8.562E-11	9.633E-11	1.08CE-10	1.102E-10	1.062E-10	9.889E-11	7.997E-11
-9.89401E-01	8.772E-11	9.051E-11	1.010E-10	1.020E-10	1.078E-10	8.085E-11	6.085E-11
-9.44575E-01	9.282E-11	1.040E-10	1.157E-10	1.172E-10	1.124E-10	8.364E-11	6.363E-11
-8.65631E-01	9.710E-11	1.088E-10	1.266E-10	1.214E-10	1.156E-10	8.630E-11	6.630E-11
-7.55044E-01	9.829E-11	1.04E-10	1.230E-10	1.247E-10	1.209E-10	9.012E-11	7.012E-11
-6.17876E-01	1.012E-10	1.138E-10	1.271E-10	1.291E-10	1.240E-10	1.154E-10	9.339E-11
-4.58017E-01	1.044E-10	1.177E-10	1.326E-10	1.363E-10	1.321E-10	1.235E-10	1.066E-10
-2.81605E-01	1.169E-10	1.321E-10	1.497E-10	1.543E-10	1.499E-10	1.404E-10	1.146E-10
-9.50125E-02	1.569E-10	1.780E-10	1.835E-10	1.782E-10	1.667E-10	1.557E-10	1.357E-10
9.50125E-02	2.472E-10	1.732E-10	2.069E-10	2.305E-10	2.236E-10	2.019E-10	1.642E-10
2.81605E-01	2.130E-10	2.425E-10	2.855E-10	2.673E-10	2.579E-10	2.471E-10	1.987E-10
4.58017E-01	3.534E-10	3.15E-10	3.224E-10	3.400E-10	3.283E-10	3.094E-10	2.422E-10
6.17876E-01	3.405E-10	3.710E-10	4.030E-10	4.276E-10	4.080E-10	3.868E-10	3.129E-10
7.55044E-01	6.722E-10	6.231E-10	6.275E-10	6.335E-10	6.697E-10	5.635E-10	4.581E-10
8.65631E-01	9.798E-10	1.073E-09	1.128E-09	1.161E-09	1.056E-09	9.826E-10	7.893E-10
9.44575E-01	3.367E-09	2.899E-09	2.714E-09	2.566E-09	2.349E-09	2.114E-09	1.637E-09
9.89401E-01	4.384E-08	3.863E-08	3.013E-08	2.366E-08	1.852E-08	1.451E-08	8.919E-09
TOTAL	1.173E-08	1.079E-08	9.540E-09	8.430E-09	7.348E-09	6.346E-09	4.624E-09
COSINE	500.0	600.0	RANGE (METERS)	900.0	1200.0	1500.0	1800.0
-1.00000E+00	6.102E-11	4.488E-11	1.577E-11	5.00CE-12	1.509E-12	4.405E-13	
-9.89401E-01	6.160E-11	4.527E-11	1.587E-11	5.035E-12	1.517E-12	4.427E-13	
-9.44575E-01	6.352E-11	4.656E-11	1.626E-11	5.146E-12	1.548E-12	4.515E-13	
-8.65631E-01	6.560E-11	4.811E-11	1.681E-11	5.320E-12	1.600E-12	4.668E-13	
-7.55044E-01	6.349E-11	5.024E-11	1.757E-11	5.566E-12	1.676E-12	4.891E-13	
-6.17876E-01	5.259E-11	5.259E-11	1.856E-11	5.912E-12	1.785E-12	5.218E-13	
-4.58017E-01	7.726E-11	5.712E-11	2.027E-11	6.467E-12	1.954E-12	5.711E-13	
-2.81605E-01	8.801E-11	6.504E-11	2.301E-11	7.315E-12	2.204E-12	6.426E-13	
-9.50125E-02	1.039E-10	7.658E-11	2.687E-11	8.498E-12	2.547E-12	7.398E-13	
9.50125E-02	1.253E-10	9.191E-11	3.194E-11	1.003E-11	2.992E-12	8.662E-13	
2.81605E-01	1.510E-10	1.106E-10	3.825E-11	1.199E-11	3.573E-12	1.034E-12	
4.58017E-01	1.843E-10	1.351E-10	4.699E-11	1.479E-11	4.427E-12	1.285E-12	
6.17876E-01	2.391E-10	1.760E-10	6.181E-11	1.959E-11	5.889E-12	1.714E-12	
7.55044E-01	3.505E-10	2.583E-10	9.088E-11	2.879E-11	8.635E-12	2.507E-12	
8.65631E-01	5.990E-10	4.381E-10	1.511E-10	4.710E-11	1.393E-11	3.995E-12	
9.44575E-01	1.2C9E-C9	8.651E-10	2.832E-10	8.483E-11	2.431E-11	6.795E-12	
9.89401E-01	5.5n0E-C9	3.04E-C9	8.235E-10	2.041E-10	5.148E-11	1.314E-11	
TOTAL	3.289E-C9	2.299E-C9	7.330E-10	2.199E-10	6.373E-11	1.808E-11	

4 PI R**2 NON IONIZING SILICON KERMA (NEUTRONS)
 (CM**2 ERGS/GRAM/STERADIAN/SOURCE NEUTRON)

THERMONUCLEAR SOURCE

COSINE	75.0	100.0	150.0	RANGE (METERS)	250.0	300.0	400.0
-1.00000E 00	6.229E-11	7.388E-11	8.906E-11	9.547E-11	9.556E-11	9.165E-11	7.758E-11
-9.39401E-01	6.257E-11	7.419E-11	8.941E-11	9.582E-11	9.596E-11	9.197E-11	7.783E-11
-9.44575E-01	6.343E-11	7.520E-11	9.061E-11	9.709E-11	9.716E-11	9.318E-11	7.886E-11
-8.65631E-01	6.470E-11	7.675E-11	9.53E-11	9.915E-11	9.926E-11	9.521E-11	8.065E-11
-7.55044E-01	6.633E-11	7.877E-11	9.515E-11	1.022E-10	1.022E-10	9.841E-11	8.343E-11
-6.17876E-01	6.891E-11	8.191E-11	9.912E-11	1.066E-10	1.066E-10	1.028E-10	8.726E-11
-4.58017E-01	7.256E-11	8.632E-11	1.047E-10	1.128E-10	1.133E-10	1.091E-10	9.275E-11
-2.81605E-01	7.834E-11	9.320E-11	1.131E-10	1.219E-10	1.226E-10	1.180E-10	1.004E-10
-9.50125E-02	8.667E-11	1.030E-10	1.249E-10	1.346E-10	1.353E-10	1.302E-10	1.107E-10
9.50125E-02	1.278E-10	1.134E-10	1.312E-10	1.527E-10	1.530E-10	1.467E-10	1.239E-10
2.81665E-01	1.181E-10	1.389E-10	1.691E-10	1.721E-10	1.725E-10	1.671E-10	1.417E-10
4.58017E-01	1.356E-10	1.543E-10	1.820E-10	2.059E-10	2.056E-10	1.951E-10	1.646E-10
6.17876E-01	1.655E-10	2.093E-10	2.432E-10	2.459E-10	2.466E-10	2.431E-10	1.975E-10
7.55044E-01	2.457E-10	2.608E-10	2.932E-10	3.206E-10	3.158E-10	2.976E-10	2.476E-10
8.65631E-01	3.481E-10	3.950E-10	4.523E-10	4.478E-10	4.343E-10	4.079E-10	3.330E-10
9.44575E-01	8.353E-10	7.822E-10	7.705E-10	7.579E-10	7.071E-10	6.429E-10	5.047E-10
9.89401E-01	7.827E-09	6.831E-09	5.272E-09	4.118E-09	3.226E-09	2.543E-09	1.594E-09
TOTAL	3.111E-09	3.115E-09	3.144E-C9	3.061E-C9	2.879E-09	2.646E-09	2.118E-09

COSINE	500.0	600.0	900.0	RANGE (METERS)	1200.0	1500.0	1800.0
-1.00000E CO	6.1226E-11	4.6229E-11	1.722E-11	5.678E-12	1.759E-12	5.242E-13	5.242E-13
-9.89401E-01	6.146E-11	4.644E-11	1.727E-11	5.696E-12	1.764E-12	5.259E-13	5.259E-13
-9.44575E-01	6.226E-11	4.705E-11	1.750E-11	5.723E-12	1.788E-12	5.330E-13	5.330E-13
-8.65631E-01	6.372E-11	4.817E-11	1.754E-11	5.917E-12	1.833E-12	5.666E-13	5.666E-13
-7.55044E-01	6.596E-11	4.989E-11	1.859E-11	6.137E-12	1.902E-12	5.673E-13	5.673E-13
-6.17876E-01	7.178E-11	5.229E-11	1.95E-11	6.450E-12	2.000E-12	5.967E-13	5.967E-13
-4.58017E-01	7.349E-11	5.567E-11	2.081E-11	6.877E-12	2.133E-12	6.364E-13	6.364E-13
-2.81605E-01	7.959E-11	6.30E-11	2.252E-11	7.447E-12	2.309E-12	6.888E-13	6.888E-13
-9.50125E-02	8.769E-11	6.641E-11	2.479E-11	8.185E-12	2.536E-12	7.522E-13	7.522E-13
9.50125E-02	9.829E-11	7.432E-11	2.788E-11	9.129E-12	2.826E-12	8.421E-13	8.421E-13
2.81605E-01	1.118E-10	8.452E-11	3.119E-11	1.034E-11	3.197E-12	9.211E-13	9.211E-13
4.58017E-01	1.298E-10	9.792E-11	3.626E-11	1.192E-11	3.684E-12	1.096E-12	1.096E-12
6.17876E-01	1.550E-10	1.166E-10	4.296E-11	1.4C9E-11	4.345E-12	1.291E-12	1.291E-12
7.55044E-01	1.931E-10	1.445E-10	5.222E-11	1.718E-11	5.28CE-12	1.955E-12	1.955E-12
8.65631E-01	2.562E-10	1.898E-10	6.784E-11	2.184E-11	6.652E-12	1.959E-12	1.959E-12
9.44575E-C1	3.776E-10	2.738E-10	9.368E-11	2.934E-11	8.77CE-12	2.546E-12	2.546E-12
9.89401E-01	1.011E-C9	6.462E-10	1.736E-10	4.754E-11	1.3C8E-11	3.595E-12	3.595E-12
TOTAL	1.617E-C9	1.194E-C9	4.2269E-10	1.380E-10	4.221E-11	1.248E-11	

${}^6\text{He}$ R**2 HENDERSON DOSE (GAMMAS)
(CH^{+2} RAD/STERADIAN/SOURCE NEUTRON)

THERMONUCLEAR SOURCE

COSINE	75.0	100.0	150.0	RANGE (METERS)		300.0	400.0
				2CG.C	2CG.C		
-1.0CC0CE 00	2.563E-12	3.078E-12	3.817E-12	4.171E-12	4.222E-12	4.015E-12	3.317E-12
-9.89401E-01	2.579E-12	3.105E-12	3.849E-12	4.211E-12	4.249E-12	4.066E-12	3.372E-12
-9.44575E-01	2.639E-12	3.180E-12	3.969E-12	4.363E-12	4.423E-12	4.254E-12	3.570E-12
-8.65631E-01	2.750E-12	3.326E-12	4.178E-12	4.623E-12	4.716E-12	4.565E-12	3.882E-12
-7.55044E-01	2.902E-12	3.522E-12	4.449E-12	4.947E-12	5.071E-12	4.928E-12	4.221E-12
-6.17876E-01	3.098E-12	3.765E-12	4.777E-12	5.331E-12	5.479E-12	5.334E-12	4.572E-12
-4.58C17E-01	3.350E-12	4.076E-12	5.188E-12	5.810E-12	5.987E-12	5.835E-12	4.995E-12
-2.81605E-C1	3.684E-12	4.488E-12	5.737E-12	6.458E-12	6.684E-12	6.537E-12	5.612E-12
-9.50125E-02	4.136E-12	5.046E-12	6.491E-12	7.364E-12	7.681E-12	7.563E-12	6.562E-12
9.50125E-02	4.629E-12	5.603E-12	6.498E-12	9.138E-12	9.633E-12	8.929E-12	7.979E-12
2.81605E-01	6.071E-12	7.584E-12	1.004E-11	9.875E-12	1.054E-11	1.120E-11	9.990E-12
4.58017E-01	7.433E-12	7.695E-12	9.750E-12	1.319E-11	1.423E-11	1.395E-11	1.294E-11
6.17876E-01	8.451E-12	1.142E-11	1.497E-11	1.592E-11	1.741E-11	1.849E-11	1.748E-11
7.55C44E-01	1.160E-11	1.412E-11	1.774E-11	2.230E-11	2.466E-11	2.542E-11	2.510E-11
8.65631E-01	1.736E-11	2.056E-11	2.84CE-11	3.22CE-11	3.848E-11	3.889E-11	3.889E-11
9.44575E-01	2.889E-11	3.658E-11	4.723E-11	5.628E-11	6.202E-11	6.554E-11	6.797E-11
9.89401E-C1	7.339E-11	9.176E-11	1.220E-10	1.426E-10	1.563E-10	1.645E-10	1.681E-10
TOTAL	9.258E-11	1.133E-11C	1.4664E-11C	1.707E-10	1.841E-10	1.888E-10	1.808E-10
COSINE	500.0	600.0	900.0	RANGE (METERS)	1200.0	1500.0	1800.0
-1.0CC0CE 00	2.544E-12	1.879E-12	6.859E-13	2.332E-13	7.618E-14	2.429E-14	2.239E-14
-9.89401E-01	2.598E-12	1.931E-12	7.287E-13	2.605E-13	9.177E-14	3.239E-14	3.239E-14
-9.44575E-01	2.792E-12	2.112E-12	8.471E-13	3.357E-13	1.353E-13	5.655E-14	5.655E-14
-8.65631E-01	3.083E-12	2.373E-12	1.024E-12	4.298E-13	1.816E-13	7.880E-14	7.880E-14
-7.55044E-01	3.373E-12	2.613E-12	1.148E-12	4.947E-13	2.166E-13	9.662E-14	9.662E-14
-6.17876E-01	3.645E-12	2.811E-12	1.200E-12	4.996E-13	2.035E-13	8.625E-14	8.625E-14
-4.58017E-01	3.960E-12	3.026E-12	1.241E-12	4.779E-13	1.885E-13	7.378E-14	7.378E-14
-2.81605E-01	4.444E-12	3.380E-12	1.357E-12	5.279E-13	2.052E-13	8.311E-14	8.311E-14
-9.50125E-02	5.232E-12	4.001E-12	1.639E-12	6.513E-13	2.621E-13	1.103E-13	1.103E-13
9.50125E-02	6.438E-12	4.971E-12	2.107E-12	8.723E-13	3.670E-13	1.579E-13	1.579E-13
2.81605E-01	8.192E-12	6.397E-12	2.757E-12	1.156E-12	4.897E-13	2.330E-13	2.330E-13
4.58017E-01	1.079E-11	8.509E-12	3.679E-12	1.511E-12	6.183E-13	2.557E-13	2.557E-13
6.17876E-01	1.495E-11	1.201E-11	5.293E-12	2.151E-12	8.562E-13	3.355E-13	3.355E-13
7.55044E-01	2.229E-11	1.852E-11	8.760E-12	3.726E-12	1.542E-12	6.318E-13	6.318E-13
8.65631E-01	3.612E-11	3.145E-11	1.682E-11	7.872E-12	3.54CE-12	1.578E-12	1.578E-12
9.44575E-01	6.523E-11	5.925E-11	3.632E-11	1.9C4E-11	9.332E-12	4.442E-12	4.442E-12
9.89401E-01	1.609E-10	1.475E-10	9.732E-11	5.60CE-11	2.99CE-11	1.527E-11	1.527E-11
TOTAL	1.596E-11	1.344E-11C	7.020E-11	3.380E-11	1.582E-11	7.345E-12	

^{4}Pi R**2 CONCRETE KERMA (GAMMAS)
 $(\text{CH}^{**2} \text{ ERGS/GRAM/STERADIANT/SOURCE NEUTRON})$

Thermonuclear Source

COSINE	75.0	100.0	150.0	RANGE (METERS)	250.0	300.0	400.0
-1.00000E 00	2.612E-10	3.169E-10	4.003E-10	4.452E-10	4.566E-10	4.443E-10	3.814E-10
-9.89401E-01	2.627E-10	3.19CE-10	4.035E-10	4.492E-10	4.613E-10	4.494E-10	3.868E-10
-9.44575E-01	2.68E-10	3.27CE-10	4.154E-10	4.63E-10	4.786E-10	4.681E-10	4.066E-10
-8.65631E-01	2.79E-10	3.414E-10	4.362E-10	4.902E-10	4.992E-10	4.380E-10	
-7.55044E-01	2.948E-10	3.607E-10	4.632E-10	5.228E-10	5.436E-10	5.359E-10	4.724E-10
-6.17876E-01	3.142E-10	2.850E-10	4.960E-10	5.63E-10	5.848E-10	5.771E-10	5.084E-10
-4.58017E-01	3.392E-10	4.16CE-10	5.372E-10	6.095E-10	6.361E-10	6.281E-10	5.519E-10
-2.81605E-01	3.723E-10	4.569E-10	5.920E-10	6.745E-10	7.064E-10	6.991E-10	6.150E-10
-9.50125E-02	4.171E-10	5.123E-10	6.671E-10	7.652E-10	8.065E-10	8.023E-10	7.110E-10
9.50125E-02	4.656E-10	5.671E-10	6.680E-10	9.419E-10	1.001E-09	9.393E-10	8.536E-10
2.81605E-01	6.647E-10	7.642E-10	1.020E-09	1.020E-09	1.020E-09	1.020E-09	1.020E-09
4.58017E-01	7.443E-10	7.742E-10	9.904E-10	1.344E-09	1.459E-09	1.441E-09	1.350E-09
6.17876E-01	8.413E-10	1.146E-09	1.509E-09	1.616E-09	1.775E-09	1.891E-09	1.801E-09
7.55044E-01	1.157E-09	1.405E-09	1.780E-09	2.247E-09	2.487E-09	2.577E-09	2.556E-09
8.65631E-01	2.726E-09	2.075E-09	2.838E-09	3.225E-09	3.579E-09	3.836E-09	3.920E-09
9.44575E-01	2.852E-09	3.633E-09	4.693E-09	5.606E-09	6.188E-09	6.546E-09	6.799E-09
9.89401E-01	7.272E-09	9.096E-09	1.212E-08	1.418E-08	1.555E-08	1.638E-08	1.676E-08
TOTAL	9.255E-09	1.137E-08	1.480E-08	1.735E-08	1.882E-08	1.933E-08	1.869E-08
COSINE	500.0	600.0	RANGE (METERS)	900.0	1200.0	1500.0	1800.0
-1.00000E 00	3.045E-10	2.343E-10	9.704E-11	3.794E-11	1.466E-11	5.734E-11	
-9.89401E-01	3.099E-10	2.395E-10	1.013E-10	4.06E-11	1.620E-11	6.535E-12	
-9.44575E-01	3.295E-10	2.577E-10	1.131E-10	4.813E-11	2.052E-11	8.898E-12	
-8.65631E-01	3.586E-10	2.840E-10	1.309E-10	5.756E-11	2.518E-11	1.117E-11	
-7.55044E-01	3.882E-10	3.085E-10	1.437E-10	6.422E-11	2.873E-11	1.291E-11	
-6.17876E-01	4.164E-10	3.294E-10	1.496E-10	6.514E-11	2.766E-11	1.205E-11	
-4.58017E-01	4.493E-10	3.522E-10	1.546E-10	6.535E-11	2.640E-11	1.091E-11	
-2.81605E-01	4.992E-10	3.891E-10	1.672E-10	6.894E-11	2.826E-11	1.193E-11	
-9.50125E-02	5.793E-10	4.526E-10	1.961E-10	8.166E-11	3.411E-11	1.471E-11	
9.50125E-02	7.010E-10	5.512E-10	2.437E-10	1.040E-10	4.469E-11	1.950E-11	
2.81605E-01	8.769E-10	6.939E-10	3.092E-10	1.322E-10	5.704E-11	2.504E-11	
4.58017E-01	1.136E-09	9.051E-10	4.015E-10	1.682E-10	6.994E-11	2.934E-11	
6.17876E-01	1.551E-09	1.254E-09	5.616E-10	2.311E-10	9.336E-11	3.753E-11	
7.55044E-01	2.271E-09	1.898E-09	9.035E-10	3.860E-10	1.603E-10	6.649E-11	
8.65631E-01	3.645E-09	3.176E-09	1.699E-09	7.935E-10	3.560E-10	1.583E-10	
9.44575E-01	6.529E-09	5.930E-09	3.630E-09	1.899E-09	9.286E-10	4.412E-10	
9.89401E-01	1.606E-08	1.473E-08	9.728E-09	5.602E-09	2.993E-09	1.530E-09	
TOTAL	1.6659E-08	1.403E-08	7.384E-09	3.563E-09	1.668E-09	7.743E-10	

(CM**2 ERGS/GRAH/SERADIEN/SOURCE NEUTRON)

4 PI R**2 AIR KERMA (GAMMAS)

THE THERMONUCLEAR SOURCE

COSINE	75.0	100.0	150.0	RANGE (METERS)	250.0	300.0	400.0
-1.00000E+00	3.047E-10	3.913E-10	5.414E-10	6.496E-10	7.142E-10	7.420E-10	7.197E-10
-9.89401E-01	3.621E-10	5.445E-10	7.537E-10	7.197E-10	7.253E-10	7.472E-10	7.253E-10
-9.44575E-01	3.120E-10	4.011E-10	5.564E-10	6.689E-10	7.368E-10	7.667E-10	7.462E-10
-8.65631E-01	3.226E-10	4.153E-10	5.774E-10	6.956E-10	7.674E-10	7.996E-10	7.801E-10
-7.55044E-01	3.373E-10	4.344E-10	6.497E-10	6.295E-10	7.295E-10	8.397E-10	8.193E-10
-6.17876E-01	3.562E-10	4.586E-10	6.387E-10	7.707E-10	8.508E-10	8.864E-10	8.627E-10
-4.58017E-01	3.806E-10	4.895E-10	6.815E-10	8.223E-10	9.076E-10	9.446E-10	9.161E-10
-2.81605E-01	4.129E-10	5.302E-10	7.380E-10	8.913E-10	9.842E-10	1.024E-09	9.906E-10
-9.50125E-02	4.568E-10	5.850E-10	8.145E-10	9.859E-10	1.091E-09	1.136E-09	1.099E-09
9.59125E-02	5.039E-10	6.410E-10	8.249E-10	1.162E-09	1.287E-09	1.283E-09	1.254E-09
2.81605E-01	6.394E-10	8.263E-10	1.158E-09	1.246E-09	1.392E-09	1.516E-09	1.468E-09
4.58017E-01	7.664E-10	8.432E-10	1.145E-09	1.567E-09	1.752E-09	1.793E-09	1.771E-09
6.17876E-01	8.631E-10	1.190E-09	1.635E-09	1.838E-09	2.071E-09	2.243E-09	2.224E-09
7.55044E-01	1.155E-09	1.444E-09	1.905E-09	2.444E-09	2.758E-09	2.911E-09	2.959E-09
8.65631E-01	1.688E-09	2.068E-09	2.895E-09	3.747E-09	5.799E-09	4.109E-09	4.251E-09
9.44575E-01	2.736E-09	3.512E-09	4.631E-09	5.599E-09	6.236E-09	6.643E-09	6.944E-09
9.89401E-01	6.811E-09	8.557E-09	1.147E-08	1.350E-08	1.486E-08	1.569E-08	1.610E-08
TOTAL	9.492E-09	1.290E-08	1.633E-08	1.978E-08	2.204E-08	2.322E-08	2.323E-08

COSINE	500.0	600.0	RANGE (METERS)	900.0	1200.0	1500.0	1800.0
-1.00000E+00	6.412E-10	5.436E-10	2.840E-10	1.337E-10	6.082E-11	2.746E-11	2.823E-11
-9.89401E-01	6.468E-10	5.489E-10	2.883E-10	1.364E-10	6.232E-11	2.884E-11	2.932E-11
-9.44575E-01	6.673E-10	5.682E-10	3.006E-10	1.440E-10	6.663E-11	3.055E-11	3.055E-11
-8.65631E-01	6.995E-10	5.971E-10	3.199E-10	1.541E-10	7.157E-11	3.294E-11	3.294E-11
-7.55044E-01	7.349E-10	6.268E-10	3.359E-10	1.624E-10	7.588E-11	3.502E-11	3.502E-11
-6.17876E-01	7.708E-10	6.557E-10	3.472E-10	1.666E-10	7.627E-11	3.487E-11	3.487E-11
-4.58017E-01	8.145E-10	6.892E-10	3.594E-10	1.685E-10	7.689E-11	3.464E-11	3.464E-11
-2.81605E-01	8.777E-10	7.387E-10	3.802E-10	1.780E-10	8.074E-11	3.655E-11	3.655E-11
-9.50125E-02	9.712E-10	8.158E-10	4.178E-10	1.951E-10	8.857E-11	4.020E-11	4.020E-11
9.59125E-02	1.101E-09	9.287E-10	4.745E-10	2.219E-10	1.011E-10	4.588E-11	4.588E-11
2.81605E-01	1.291E-09	1.086E-09	5.498E-10	2.554E-10	1.158E-10	5.243E-11	5.243E-11
4.58017E-01	1.568E-09	1.310E-09	6.522E-10	2.966E-10	1.315E-10	5.811E-11	5.811E-11
6.17876E-01	1.961E-09	1.665E-09	8.194E-10	3.646E-10	1.576E-10	6.775E-11	6.775E-11
7.55044E-01	2.692E-09	2.294E-09	1.156E-09	5.178E-10	2.244E-10	9.686E-11	9.686E-11
8.65631E-01	3.996E-09	3.507E-09	1.909E-09	9.037E-10	4.099E-10	1.839E-10	1.839E-10
9.44575E-01	6.682E-09	6.068E-09	3.697E-09	1.922E-09	9.384E-10	4.448E-10	4.448E-10
9.89401E-01	1.542E-08	1.412E-08	9.252E-09	5.288E-09	2.809E-09	1.429E-09	1.429E-09
TOTAL	2.120E-08	1.832E-08	9.993E-09	4.887E-09	2.299E-09	1.067E-09	1.067E-09

P1 R**2 SILICON KERMA (GAMMAS)
(CM**2 ERGS/GRAM/STERADIAN/SOURCE NEUTRON)

THERMONUCLEAR SOURCE

COSINE	75.0	100.0	150.0	RANGE (METERS)	200.0	300.0	400.0
-1.00000E+00	2.689E-10	3.273E-10	4.162E-10	4.659E-10	4.811E-10	4.713E-10	4.103E-10
-9.89401E-01	2.705E-10	3.295E-10	4.194E-10	4.700E-10	4.858E-10	4.765E-10	4.158E-10
-9.44575E-01	2.766E-10	3.376E-10	4.316E-10	4.854E-10	5.036E-10	4.957E-10	4.361E-10
-8.66631E-01	2.878E-10	3.224E-10	4.529E-10	5.19E-10	5.335E-10	5.275E-10	4.682E-10
-7.55044E-01	3.712E-10	4.804E-10	5.41E-10	5.41E-10	5.69E-10	5.64E-10	5.033E-10
-6.17876E-01	3.230E-10	3.969E-10	5.139E-10	5.845E-10	6.119E-10	6.069E-10	5.399E-10
-4.58017E-01	3.485E-10	4.285E-10	5.559E-10	6.336E-10	6.642E-10	6.587E-10	5.841E-10
-2.81605E-01	3.824E-10	4.702E-10	6.118E-10	6.998E-10	7.358E-10	7.310E-10	6.482E-10
-9.50125E-02	4.280E-10	5.267E-10	6.884E-10	7.922E-10	8.378E-10	8.362E-10	7.459E-10
9.50125E-02	4.778E-10	5.126E-10	6.888E-10	7.926E-10	8.036E-09	9.757E-10	8.910E-10
2.81605E-01	6.209E-10	7.838E-10	1.049E-09	1.047E-09	1.128E-09	1.207E-09	1.096E-09
4.58017E-01	7.630E-10	7.936E-10	1.118E-09	1.183E-09	1.486E-09	1.396E-09	1.396E-09
6.17876E-01	8.605E-10	1.175E-09	1.548E-09	1.659E-09	1.824E-09	1.946E-09	1.856E-09
7.55044E-01	1.184E-09	1.437E-09	1.822E-09	2.304E-09	2.552E-09	2.646E-09	2.626E-09
8.66631E-01	1.766E-09	2.123E-09	2.906E-09	3.03E-09	3.666E-09	3.931E-09	4.019E-09
9.44575E-01	2.920E-09	3.718E-09	4.800E-09	5.737E-09	6.334E-09	6.703E-09	6.964E-09
9.89401E-01	7.443E-09	9.310E-09	1.240E-08	1.452E-08	1.593E-08	1.679E-08	1.719E-08
TOTAL	9.482E-09	1.166E-08	1.520E-08	1.786E-08	1.939E-08	2.000E-08	1.934E-08

COSINE	500.0	600.0	RANGE (METERS)	900.0	1200.0	1500.0	1800.0
-1.00000E+00	3.322E-10	2.590E-10	1.111E-10	4.478E-11	1.780E-11	7.158E-12	7.158E-12
-9.89401E-01	3.377E-10	2.644E-10	1.155E-10	4.754E-11	1.939E-11	7.98CE-12	7.98CE-12
-9.44575E-01	3.515E-10	2.933E-10	1.276E-10	5.555E-11	2.382E-11	1.04IE-11	1.04IE-11
-8.66631E-01	3.875E-10	3.099E-10	1.458E-10	6.491E-11	2.861E-11	1.274E-11	1.274E-11
-7.55044E-01	4.178E-10	3.249E-10	1.589E-10	7.173E-11	3.223E-11	1.452E-11	1.452E-11
-6.17876E-01	4.464E-10	3.361E-10	1.648E-10	7.257E-11	3.110E-11	1.362E-11	1.362E-11
-4.58017E-01	4.797E-10	3.791E-10	1.697E-10	7.080E-11	2.974E-11	1.242E-11	1.242E-11
-2.81605E-01	5.302E-10	4.644E-10	1.823E-10	7.67E-11	3.156E-11	1.348E-11	1.348E-11
-9.50125E-02	6.112E-10	4.808E-10	2.115E-10	8.902E-11	3.747E-11	1.622E-11	1.622E-11
9.50125E-02	7.354E-10	5.899E-10	2.598E-10	1.117E-10	4.819E-11	2.109E-11	2.109E-11
2.81605E-01	9.143E-10	7.595E-10	3.261E-10	1.05E-10	6.066E-11	2.667E-11	2.667E-11
4.58017E-01	1.178E-09	9.405E-10	4.194E-10	1.763E-10	7.355E-11	3.092E-11	3.092E-11
6.17876E-01	1.600E-09	1.295E-09	5.816E-10	2.401E-10	9.698E-11	3.904E-11	3.904E-11
7.55044E-01	2.341E-09	1.951E-09	9.294E-10	3.969E-10	1.647E-10	6.82CE-11	6.82CE-11
8.66631E-01	3.738E-09	3.257E-09	1.741E-09	8.126E-10	3.643E-10	1.616E-10	1.616E-10
9.44575E-01	6.688E-09	6.076E-09	3.719E-09	1.945E-09	9.509E-10	4.516E-10	4.516E-10
9.89401E-01	1.647E-08	1.512E-08	9.990E-09	5.756E-09	3.077E-09	1.574E-09	1.574E-09
TOTAL	1.720E-08	1.456E-08	7.681E-08	3.708E-09	1.737E-09	8.058E-10	

4 PI R**2 FLUENCE AT 2400.0 METERS

12.20 TO 15.00 MEV NEUTRON SOURCE

(NEUTRONS/MEV/STERADIANT/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 $\mu = -0.00C$	ANGLE 2 $\mu = -0.9446$	ANGLE 3 $\mu = -0.856$	ANGLE 4 $\mu = -0.7550$	ANGLE 5 $\mu = -0.6179$	ANGLE 6 $\mu = -0.4586$	ANGLE 7 $\mu = -0.2816$	ANGLE 8 $\mu = -0.1950$
1.22E 01---1.50E C1	-1.059E-09	-6.319E-10	7.138E-10	2.317E-08	2.399E-C9	3.143E-09	5.239E-09	9.830E-09
1.00E 01---1.22E C1	2.24E-08	2.258E-08	2.317E-08	2.394E-08	2.486E-08	3.126E-08	3.946E-08	5.167E-08
8.19E 00---1.00E C1	3.734E-08	3.821E-08	4.171E-08	5.613E-08	5.759E-08	7.089E-08	9.545E-08	1.333E-07
6.36E 00---8.19E CC	1.809E-07	1.821E-07	1.877E-07	2.010E-07	2.262E-07	2.694E-07	3.954E-C7	4.278E-07
4.97E 00---6.36E CC	7.309E-07	7.336E-07	7.471E-07	7.633E-07	8.431E-07	9.427E-07	1.081E-06	1.260E-06
4.07E 00---4.97E CQ	1.587E-06	1.626E-06	1.672E-06	1.827E-06	1.892E-06	1.976E-06	2.029E-06	2.240E-06
3.01E 00---4.07E CQ	1.870E-06	1.871E-06	1.877E-06	1.882E-06	1.922E-06	1.976E-06	2.067E-06	2.422E-06
2.46E 00---3.01E CQ	2.820E-06	2.827E-06	2.866E-06	2.926E-06	3.038E-06	3.219E-06	3.599E-06	4.563E-06
2.35E 00---2.46E CQ	4.129E-06	4.156E-06	4.274E-06	4.499E-06	4.842E-06	5.338E-06	6.033E-06	8.369E-06
1.83E 00---2.35E CQ	6.346E-06	6.506E-06	6.754E-06	7.132E-06	7.672E-06	8.412E-06	9.415E-06	1.076E-05
1.41E 00---1.83E CQ	1.167E-05	1.173E-05	1.19CE-05	1.222E-05	1.271E-05	1.341E-C5	1.634E-C5	1.766E-05
5.5CE-01---1.11E CC	3.312E-05	3.323E-05	3.373E-05	3.466E-05	3.605E-05	3.796E-05	4.047E-05	4.370E-05
1.11E-01---5.50E-C1	1.028E-04	1.031E-04	1.042E-04	1.062E-04	1.096E-04	1.132E-04	1.161E-04	1.312E-04
3.35E-02---1.11E-C1	1.064E-03	1.066E-03	1.073E-03	1.086E-03	1.105E-03	1.130E-03	1.150E-03	1.234E-03
5.83E-04---3.35E-C2	1.066E-03	1.067E-03	1.073E-03	1.084E-03	1.099E-03	1.118E-03	1.141E-03	1.168E-03
1.01E-04---5.83E-C4	7.898E-02	7.197E-02	7.391E-02	7.635E-02	7.937E-02	8.519E-02	7.667E-02	8.025E-02
2.9CE-05---1.01E-04	3.342E-01	3.346E-01	3.363E-01	3.393E-01	3.435E-01	3.490E-01	3.555E-C1	3.631E-01
1.07E-05---2.90E-05	1.030E-00	1.031E-00	1.036E-00	1.046E-00	1.059E-00	1.075E-00	1.095E-00	1.118E-00
3.06E-06---1.07E-C2	2.942E-00	2.945E-00	2.959E-00	2.985E-00	3.021E-00	3.068E-00	3.124E-00	3.260E-00
1.12E-C6---3.06E-06	8.266E-00	8.275E-00	8.315E-00	8.385E-00	8.485E-00	8.614E-00	8.768E-00	8.946E-00
4.14E-07---1.12E-06	1.891E-01	1.893E-01	1.902E-01	1.917E-01	1.940E-01	1.969E-01	2.003E-01	< 87E-01
0.0 ---4.14E-07	2.884E-01	2.887E-01	2.900E-01	2.924E-01	2.956E-01	2.996E-01	3.044E-01	3.158E-01
ANGLE 10 $\mu = 0.0950$	ANGLE 11 $\mu = 0.2816$	ANGLE 12 $\mu = 0.4380$	ANGLE 13 $\mu = 0.6179$	ANGLE 14 $\mu = 0.7550$	ANGLE 15 $\mu = 0.8556$	ANGLE 16 $\mu = 0.9446$	ANGLE 17 $\mu = 0.9894$	SCALAR FLUX
1.22E 01---1.50E C1	3.00E-08	4.05E-08	5.048E-08	6.029E-07	7.036E-07	8.034E-07	9.074E-07	1.098E-06
1.00E 01---1.22E C1	6.749E-08	8.827E-08	1.221E-07	1.906E-07	2.109E-07	2.187E-07	2.187E-07	2.177E-06
8.19E 00---1.00E C1	1.847E-07	2.561E-07	3.751E-07	6.14E-07	1.117E-C6	2.141E-06	4.03E-06	7.056E-06
6.36E 00---8.19E CC	7.14CE-07	9.581E-07	1.372E-06	2.130E-06	3.519E-06	5.976E-06	1.007E-05	1.637E-05
4.97E 00---6.36E CC	1.786E-06	2.225E-06	2.911E-06	4.038E-06	5.829E-06	8.587E-06	1.257E-05	2.060E-05
4.07E 00---4.97E CC	2.933E-06	3.595E-06	5.536E-06	5.928E-06	7.930E-06	1.069E-05	1.161E-05	1.776E-05
3.01E 00---4.07E CC	2.732E-06	3.168E-06	3.763E-06	4.564E-06	5.515E-C6	6.639E-06	7.784E-06	8.677E-06
2.46E 00---3.01E CC	5.53C-06	6.906E-06	8.906E-06	1.688E-06	6.623E-05	3.623E-05	3.127E-05	4.224E-05
2.35E 00---2.46E CC	1.032E-05	1.320E-05	1.761E-05	2.440E-C5	3.597E-05	5.48CE-05	8.612E-05	1.371E-05
1.83E 00---2.35E CC	1.254E-05	1.489E-05	1.795E-05	2.186E-05	2.671E-05	3.248E-05	3.873E-05	4.417E-05
1.11E 00---1.83E CC	1.891E-05	2.126E-05	2.403E-05	2.724E-05	3.079E-05	3.445E-05	3.73E-05	4.177E-04
5.50E-01---1.11E CC	5.270E-05	5.871E-05	6.582E-05	7.396E-05	8.283E-05	9.183E-05	9.979E-05	1.051E-04
1.11E-01---5.50E-1	1.393E-04	1.483E-04	1.581E-04	1.688E-04	1.780E-04	1.869E-04	1.939E-04	1.981E-04
3.35E-C2---1.11E-C1	1.277E-03	1.323E-03	1.369E-03	1.414E-03	1.456E-03	1.491E-03	1.517E-03	1.532E-03
5.83E-04---3.35E-02	1.229E-03	1.263E-03	1.296E-03	1.327E-03	1.357E-03	1.380E-03	1.398E-03	1.535E-02
1.01E-04---5.83E-04	8.227E-02	8.435E-02	8.643E-02	8.840E-C2	9.018E-02	9.166E-02	9.275E-02	9.338E-02
2.90E-05---1.01E-C4	3.804E-01	3.895E-01	3.967E-01	4.074E-01	4.151E-01	4.216E-01	4.264E-01	4.292E-01
1.07E-C5---2.90E-05	1.171E-00	1.199E-00	1.227E-00	1.253E-00	1.277E-00	1.297E-00	1.311E-00	4.749E-00
3.06E-06---1.07E-C5	3.336E-00	3.414E-00	3.492E-00	3.565E-00	3.631E-00	3.686E-00	3.727E-00	1.462E-01
1.12E-06---3.06E-C6	9.350E-00	9.565E-00	9.778E-00	9.979E-00	1.016E-01	1.031E-01	1.042E-01	1.167E-02
4.14E-07---1.12E-06	2.134E-01	2.182E-01	2.23CE-01	2.315E-01	2.349E-01	2.387E-01	2.664E-02	2.664E-02
0.0 ---4.14E-C7	3.223E-01	3.296E-01	3.356E-01	3.419E-01	3.474E-01	3.519E-01	3.552E-01	4.027E-02

4 PI R**2 FLUENCE AT 3600.C METERS

12.20 TO 15.00 MEV NEUTRON SOURCE

(NEUTRONS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=0.9894	ANGLE 2 MU=-0.9446	ANGLE 3 MU=-0.8656	ANGLE 4 MU=-0.7550	ANGLE 5 MU=-0.6179	ANGLE 6 MU=-0.458C	ANGLE 7 MU=-0.2816	ANGLE 8 MU=-0.0950	ANGLE 9 MU=-0.0950
1.22E 01---1.50E C1	-5.925E-13	-1.855E-13	1.175E-12	2.847E-12	3.820E-12	4.887E-12	7.281E-12	1.317E-11	2.326E-11
1.60E 01---1.22E C1	2.6C9E-11	2.669E-11	2.875E-11	3.123E-11	3.339E-11	4.394E-11	6.454E-11	8.160E-11	8.160E-11
8.19E 00---1.00E C1	6.582E-11	7.033E-11	8.621E-10	1.058E-10	1.227E-10	1.451E-10	1.913E-10	2.827E-10	4.287E-10
6.36E CO---8.19E C0	7.979E-10	8.067E-10	8.477E-10	9.330E-10	1.087E-09	1.339E-09	1.722E-09	2.261E-09	2.988E-09
4.97E 00---6.36E C0	4.421E-09	4.440E-09	4.531E-09	4.744E-09	5.143E-09	5.761E-09	6.613E-09	7.708E-09	9.100E-09
4.07E 00---4.97E C0	9.700E-09	9.742E-09	9.921E-09	1.025E-08	1.075E-08	1.144E-08	1.238E-08	1.368E-08	1.552E-08
3.01E 00---4.07E C0	1.116E-08	1.117E-08	1.122E-08	1.129E-08	1.147E-08	1.180E-08	1.234E-08	1.319E-08	1.446E-08
2.46E 00---3.01E CC	1.648E-08	1.653E-08	1.674E-08	1.717E-08	1.788E-08	1.903E-08	2.079E-08	2.346E-C8	2.743E-08
2.35E 00---2.46E C0	2.447E-08	2.665E-08	2.683E-08	2.899E-08	3.210E-08	3.645E-08	4.258E-08	5.119E-08	5.119E-08
1.83E 00---2.35E CC	3.933E-08	3.953E-08	4.04CE-08	4.204E-08	4.453E-08	4.807E-08	5.289E-08	5.940E-08	6.810E-08
1.11E 00---1.83E CC	7.456E-08	7.481E-08	7.590E-08	7.798E-08	8.115E-08	8.562E-08	9.156E-08	9.929E-08	1.090E-07
5.5CE-01---1.11E C0	2.181E-07	2.189E-07	2.222E-07	2.378E-07	2.675E-07	2.891E-07	3.161E-07	3.161E-07	3.161E-07
1.11E-C1---5.50E-C1	7.030E-07	7.048E-07	7.125E-07	7.266E-07	7.471E-07	7.744E-07	8.087E-07	8.503E-07	8.922E-07
3.35E-02---1.11E-C1	7.467E-06	7.48CE-06	7.532E-06	7.625E-06	7.760E-06	7.934E-06	8.147E-06	8.396E-06	8.676E-06
5.83E-04---3.35E-02	7.532E-06	7.542E-06	7.584E-06	7.659E-06	7.765E-06	7.902E-06	8.068E-06	8.671E-C6	8.671E-C6
1.01E-04---5.83E-04	5.109E-04	5.115E-04	5.142E-04	5.190E-04	5.258E-04	5.346E-04	5.452E-04	5.575E-04	5.710E-04
2.90E-05---1.01E-C4	2.384E-03	2.387E-03	2.399E-03	2.420E-03	2.451E-03	2.490E-03	2.538E-03	2.592E-03	2.653E-03
1.07E-05---2.90E-C5	7.370E-03	7.376E-03	7.415E-03	7.481E-03	7.575E-03	7.696E-03	7.841E-03	8.008E-03	8.193E-03
3.06E-06---1.07E-05	2.112E-02	2.114E-02	2.125E-02	2.143E-02	2.170E-02	2.204E-02	2.244E-02	2.343E-02	2.343E-02
1.12E-06---3.06E-05	5.950E-02	5.957E-02	6.037E-02	6.110E-02	6.204E-02	6.316E-02	6.446E-02	6.589E-02	6.589E-02
4.14E-07---1.12E-06	1.364E-01	1.366E-01	1.372E-01	1.384E-01	1.400E-01	1.422E-01	1.476E-01	1.508E-01	1.508E-01
0.0 ---4.14E-07	2.067E-01	2.089E-01	2.099E-01	2.116E-01	2.139E-01	2.169E-01	2.204E-01	2.244E-01	2.288E-01
ENERGY GROUP (MEV)	ANGLE 10 MU= 0.0950	ANGLE 11 MU= C.2816	ANGLE 12 MU= 0.4580	ANGLE 13 MU= 0.6179	ANGLE 14 MU= 0.7550	ANGLE 15 MU= 0.8656	ANGLE 16 MU= 0.9446	ANGLE 17 SCALAR FLUX	MU= C.9894
1.22E C1---1.50E C1	3.776E-11	5.199E-11	9.103E-11	1.133E-10	1.575E-10	2.33CE-11	3.877E-10	7.136E-10	6.138E-10
1.00E 01---1.22E C1	1.133E-10	1.575E-10	1.92CE-10	1.446E-09	2.530E-09	4.847E-09	9.526E-09	1.813E-08	2.914E-08
8.19E 00---1.00E 01	6.323E-10	9.210E-10	5.666E-09	8.294E-09	1.332E-08	2.247E-08	5.279E-08	6.311E-08	4.295E-09
6.36E 00---8.19E 00	4.1C0E-09	5.098E-09	1.376E-08	1.815E-08	2.522E-C8	3.630E-C8	7.497E-08	9.895E-08	2.196E-07
4.97E 00---6.36E 00	1.098E-08	1.211E-08	2.111E-08	2.79CE-08	3.633E-08	4.813E-08	6.372E-08	8.193E-08	3.136E-07
4.07E 00---4.97E 00	1.819E-08	2.111E-08	2.629E-08	3.885E-08	5.227E-C8	7.667E-08	1.319E-08	3.789E-08	4.760E-08
3.01E 00---4.07E 00	1.629E-08	1.885E-08	2.448E-08	3.248E-08	4.900E-07	5.478E-07	6.054E-07	6.553E-07	6.879E-07
2.46E 00---3.01E CC	3.328E-08	4.184E-08	5.190E-08	7.267E-08	9.907E-08	1.352E-07	1.848E-07	2.372E-07	6.187E-07
2.35E 00---2.46E 00	6.359E-08	8.210E-08	1.110E-07	1.579E-07	2.360E-07	3.677E-07	5.871E-07	9.233E-07	1.460E-06
1.83E 00---2.35E 00	7.965E-08	9.482E-08	1.144E-07	1.392E-07	1.693E-07	2.040E-07	2.394E-07	2.670E-07	1.183E-06
1.11E 00---1.83E 00	1.211E-C7	1.358E-07	1.533E-07	1.734E-07	1.952E-07	2.173E-C7	2.365E-07	2.492E-07	1.618E-06
5.50E-01---1.11E CC	3.493E-07	3.893E-07	4.365E-07	4.900E-07	5.478E-07	6.054E-07	6.553E-07	6.879E-07	4.626E-06
1.11E-01---5.50E-C1	9.551E-07	1.017E-06	1.084E-C6	1.153E-C6	1.220E-06	1.280E-06	1.327E-06	1.355E-06	1.206E-C5
3.35E-G2---1.11E-C1	8.982E-06	9.304E-06	9.631E-06	9.948E-06	1.024E-05	1.067E-05	1.078E-05	1.122E-04	1.122E-04
5.83E-04---3.35E-C2	8.700E-06	8.936E-06	9.172E-06	9.396E-06	9.599E-06	9.768E-06	9.893E-06	9.966E-06	1.046E-04
1.01E-04---5.83E-C4	5.855E-04	6.004E-04	6.153E-04	6.294E-04	6.421E-04	6.527E-04	6.605E-04	6.650E-04	7.308E-03
2.90E-05---1.01E-04	2.717E-03	2.783E-03	2.849E-C3	2.911E-03	2.967E-03	3.014E-C3	3.048E-03	3.068E-03	3.392E-02
1.07E-05---2.90E-C5	8.390E-03	8.592E-03	8.794E-03	8.984E-03	9.155E-03	9.297E-C3	9.402E-03	9.462E-C3	1.047E-01
3.06E-06---1.07E-05	2.398E-02	2.455E-02	2.512E-02	2.565E-02	2.613E-C2	2.682E-C2	2.682E-C2	2.699E-02	2.914E-01
1.12E-06---3.06E-C6	6.741E-02	6.897E-02	7.052E-02	7.199E-C2	7.330E-02	7.439E-C3	7.519E-02	7.565E-02	8.415E-01
4.14E-07---1.12E-C6	1.542E-01	1.612E-01	1.677E-01	1.699E-01	1.717E-01	1.727E-01	1.727E-01	1.926E-00	1.926E-00
C.0 ---4.14E-07	2.3335E-01	2.4333E-01	2.4384E-01	2.4479E-01	2.4517E-01	2.5152E-01	2.5176E-01	2.5918E-01	2.5918E-01

4 PI R**2 FLUENCE AT 4800.C METERS

12.20 TO 15.30 MEV NEUTRON SOURCE

(NEUTRONS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=-C.9894	ANGLE 2 MU=-C.9446	ANGLE 3 MU=0.9446	ANGLE 4 MU=0.8656	ANGLE 5 MU=-0.7550	ANGLE 6 MU=0.6179	ANGLE 7 MU=-0.4580	ANGLE 8 MU=-C.2816	ANGLE 9 MU=-C.0950
1.22E 01---1.50E C1	-3.79E-15	-2.363E-17	1.239E-15	2.784E-15	3.884E-15	5.261E-15	6.495E-14	2.604E-14	
1.00E 01---1.22E 01	2.366E-14	2.5CC-E-14	3.385E-14	3.798E-14	4.358E-14	5.591E-14	8.1C2E-14	1.213E-13	
8.19E 00---1.00E C1	8.092E-14	9.620E-14	1.502E-13	2.160E-13	2.728E-13	3.491E-13	5.140E-13	8.489E-13	1.386E-12
6.35E 00---8.19E C0	2.7C6E-12	2.755E-12	2.974E-12	3.430E-12	4.238E-12	5.58CE-12	7.662E-12	1.066E-11	1.467E-11
4.97E 00---6.36E C0	1.949E-11	2.143E-11	2.438E-11	2.943E-11	3.386E-11	4.238E-11	5.297E-11	6.767E-11	4.791E-11
4.07E 00---4.97E C0	4.290E-11	4.317E-11	4.432E-11	4.651E-11	4.987E-11	5.645E-11	6.115E-11	6.973E-11	8.078E-11
3.01E 00---4.07E C0	5.015E-11	5.026E-11	5.077E-11	5.183E-11	5.364E-11	5.647E-11	6.060E-11	6.628E-11	7.382E-11
2.46E 00---3.01E CC	6.939E-11	6.972E-11	7.126E-11	7.416E-11	7.910E-11	8.688E-11	9.864E-11	1.057E-10	1.393E-10
2.35E 00---2.46E 00	1.001E-10	1.053E-10	1.053E-10	1.134E-10	1.260E-10	1.447E-10	1.718E-10	2.100E-10	2.614E-10
1.83E 00---2.35E 00	1.729E-10	1.742E-10	1.798E-10	1.905E-10	2.069E-10	2.303E-10	2.620E-10	3.032E-10	3.549E-10
1.11E 00---1.83E C0	3.422E-10	3.422E-10	3.495E-10	3.637E-10	3.855E-10	4.057E-10	4.550E-10	5.613E-10	
5.5CE-01---1.11E C0	9.896E-10	9.895E-10	1.012E-09	1.055E-09	1.118E-09	1.205E-09	1.317E-09	1.455E-09	1.619E-09
1.11E-01---5.5CE-01	3.294E-09	3.3C8E-09	3.361E-09	3.458E-09	3.598E-09	3.781E-09	4.005E-09	4.269E-09	4.569E-09
3.35E-02---1.11E-C1	3.591E-08	3.60CE-C8	3.635E-08	3.698E-08	3.788E-08	3.902E-08	4.040E-08	4.198E-08	4.371E-08
5.83E-04---3.35E-02	3.657E-08	3.664E-C8	3.691E-C8	3.741E-08	3.811E-08	3.901E-08	4.079E-08	4.257E-C8	
1.01E-C4---5.83E-04	2.477E-06	2.481E-06	2.499E-06	2.531E-06	2.577E-06	2.634E-C6	2.703E-06	2.781E-06	2.863E-06
2.90E-C5---1.01E-C4	1.156E-05	1.165E-05	1.180E-05	1.200E-05	1.226E-05	1.257E-05	1.292E-05	1.328E-05	
1.07E-05---2.90E-05	3.562E-05	3.573E-05	3.598E-05	3.642E-05	3.755E-05	3.878E-05	3.985E-05	4.097E-05	
3.06E-06---1.07E-05	1.021E-04	1.023E-04	1.030E-04	1.042E-04	1.060E-04	1.082E-04	1.109E-04	1.139E-04	1.170E-04
1.12E-06---3.06E-06	2.877E-04	2.881E-04	2.901E-04	2.935E-04	2.984E-04	3.045E-04	3.119E-04	3.202E-04	3.288E-04
4.14E-07---1.12E-C6	6.595E-04	6.6C5E-C4	6.649E-04	6.722E-04	6.836E-04	6.95E-04	7.140E-04	7.522E-04	
C.0 ---4.14E-C7	1.013E-C3	1.013E-C3	1.030E-03	1.046E-03	1.065E-03	1.088E-03	1.114E-03	1.141E-03	
ENERGY GROUP (MEV)	ANGLE 10 MU = C.995C	ANGLE 11 MU = 0.2810	ANGLE 12 MU = 0.458C	ANGLE 13 MU = 0.6179	ANGLE 14 MU = G.7550	ANGLE 15 MU = 0.8656	ANGLE 16 MU = 0.9446	ANGLE 17 SCALAR FLUX	
1.22E 01---1.50E C1	4.02E-14	6.5C5E-14	1.044E-13	1.856E-13	3.540E-13	6.023E-13	1.244E-12	1.911E-12	
1.00E 01---1.22E 01	1.776E-13	2.568E-13	4.01CE-13	6.941E-13	1.307E-12	2.500E-12	4.533E-12	7.240E-12	7.517E-12
8.19E 00---1.00E C1	3.01E-14	3.297E-12	5.647E-12	9.607E-12	1.761E-11	3.03E-11	6.945E-11	1.088E-10	
6.36E 00---8.19E 00	2.024E-11	2.899E-11	4.437E-11	7.227E-11	1.236E-10	2.000E-10	3.046E-10	4.953E-10	6.629E-10
4.97E 00---5.36E 00	5.844E-11	7.377E-11	9.783E-11	1.361E-10	1.953E-10	2.812E-10	3.918E-10	5.004E-10	1.152E-09
4.07E 00---4.97E 00	9.778E-11	1.173E-10	1.485E-10	1.933E-10	2.549E-10	3.442E-10	4.229E-10	4.966E-10	1.622E-C9
3.01E 00---4.07E 00	8.399E-11	9.77CE-11	1.157E-10	1.385E-10	1.655E-10	1.950E-10	2.225E-10	2.415E-10	1.223E-C9
2.46E 00---3.01E 00	1.72CE-10	2.187E-10	2.862E-10	3.837E-10	5.225E-10	7.133E-10	9.531E-10	1.188E-09	3.163E-C9
2.35E 00---2.46E 00	3.35E-10	4.343E-10	5.949E-10	8.576E-10	1.299E-09	2.046E-09	3.282E-09	5.088E-09	
1.83E 00---2.35E 00	6.3C5E-10	6.5C5E-10	6.5C5E-10	7.412E-10	9.089E-10	1.089E-09	1.268E-09	1.4C1E-09	6.173E-09
1.11E 00---1.83E 00	4.305E-10	7.127E-10	8.C88E-10	9.176E-10	1.051E-09	1.251E-09	1.316E-09	1.337E-09	
5.5CE-01---1.11E C0	1.814E-09	2.043E-09	2.308E-09	2.605E-09	2.920E-09	3.231E-09	3.497E-09	3.668E-09	2.382E-08
1.11E-01---5.50E-01	4.906E-09	5.272E-C9	5.661E-09	6.055E-C9	6.433E-09	6.710E-09	7.032E-09	7.188E-C9	9.157E-C8
3.05E-02---1.11E-C1	4.561E-08	4.757E-08	4.993E-08	5.142E-C8	5.312E-08	5.457E-08	5.564E-08	5.629E-08	5.674E-07
5.83E-04---3.35E-02	4.402E-08	4.548E-08	4.691E-08	4.826E-08	4.947E-08	5.047E-08	5.121E-08	5.164E-08	5.477E-07
1.01E-04---5.83E-C4	2.956E-06	3.C48E-06	3.139E-06	3.225E-06	3.301E-06	3.431E-06	3.477E-06	3.678E-05	
1.01E 00---1.01E-04	1.310E-05	1.411E-05	1.451E-05	1.489E-05	1.523E-05	1.551E-05	1.571E-05	1.583E-05	1.7C4E-C4
1.07E-05---2.90E-05	4.225E-05	4.351E-05	4.475E-05	4.591E-C5	4.694E-05	4.80E-05	4.843E-05	4.878E-05	5.258E-C4
3.06E-06---1.37E-C5	1.2C6E-04	1.242E-04	1.277E-04	1.309E-04	1.338E-04	1.362E-04	1.380E-04	1.390E-04	1.501E-C3
1.12E-06---3.06E-06	3.388E-04	3.582E-04	3.752E-04	3.818E-04	3.862E-04	3.918E-04	3.966E-04	4.217E-03	
4.14E-07---1.12E-06	7.747E-04	7.968E-04	8.183E-04	8.385E-04	8.564E-04	8.713E-04	8.821E-04	8.883E-04	9.643E-C3
0.0 ---4.14E-C7	1.172E-03	1.233E-03	1.261E-03	1.286E-03	1.305E-03	1.321E-03	1.329E-03	1.460E-02	

4 PI R**2 FLUENCE AT 2400.C METERS

12.20 TO 15.00 MEV NEUTRON SOURCE

(GAMMAS/MEV/SITER ADIAN/SOURCE NEUTRON)

378

4 PI R**2 FLUENCE AT 360C.0 METERS

12.20 TO 15.00 MEV NEUTRON SOURCE

{ GAMMAS/MEV/STERADIAN/SOURCE NEUTRON }

ENERGY GROUP (MEV)	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
8.00E 00----1.00E C1	MU=-C.5694	MU=-C.9446	MU=-0.8656	MU=-0.6179	MU=-0.4580	MU=-0.2816	MU=-C.2816	MU=-0.C950	-1.344E-C9
8.00E 00----1.00E 01	-4.141E-08	-3.414E-08	-1.142E-08	9.111E-09	2.268E-C8	4.439E-09	-1.457E-08	-1.983E-C8	-3.275E-09
6.50E 00----8.00E 00	-1.903E-07	-4.982E-C7	-4.491E-08	4.491E-08	1.081E-07	-4.627E-08	-7.286E-08	-9.496E-C8	-3.275E-09
5.00E 00----6.50E C0	5.012E-07	-4.116E-07	-1.192E-C7	1.238E-C7	2.776E-07	4.431E-C8	-1.830E-C7	-2.480E-07	1.772E-08
4.00E 00----5.00E 00	-7.232E-07	-5.932E-07	-1.697E-07	1.8C9E-07	3.854E-07	3.905E-08	-2.800E-07	-3.192E-07	5.265E-08
3.00E 00----4.00E 00	-6.059E-07	-4.932E-07	-1.283E-07	1.676E-07	3.118E-07	2.370E-C9	-2.500E-07	-3.222E-C7	4.414E-C8
2.50E 00----3.00E C0	-2.60E-07	-1.614E-07	-2.236E-08	7.648E-C8	-7.871E-C8	-3.919E-08	-1.679E-07	-2.188E-C8	1.222E-07
2.00E 00----2.50E CC	3.763E-07	3.212E-07	1.144E-07	-9.285E-08	-1.078E-07	-8.398E-08	6.615E-08	2.753E-07	1.254E-C7
1.50E 00----2.00E C0	9.683E-07	8.1C7E-07	2.325E-07	-2.9C5E-C7	-4.192E-07	-3.081E-08	3.044E-07	5.663E-07	3.434E-C8
1.33E 00----1.66E 00	1.241E-06	1.027E-06	2.574E-07	-4.049E-07	-5.059E-07	-2.62CE-C8	4.508E-07	6.173E-07	-2.947E-07
1.00E 00----1.33E C0	6.1C9E-07	4.867E-07	6.328E-C8	-2.472E-07	-1.957E-07	8.713E-C8	3.499E-07	3.762E-08	-3.775E-C7
8.00E-01----1.00E C0	-9.214E-07	-7.762E-07	-2.195E-07	5.324E-07	1.664E-07	-3.589E-07	-5.088E-07	4.291E-07	4.291E-07
6.00E-01----8.00E-01	-1.685E-06	-1.364E-C6	-3.178E-07	5.600E-07	1.532E-08	-3.976E-08	7.438E-C7	4.554E-06	4.554E-06
4.00E-01----6.00E-C1	5.469E-06	5.321E-06	4.841E-06	4.503E-06	5.098E-06	7.298E-06	1.147E-05	1.724E-05	2.359E-C5
3.00E-01----4.00E-C1	4.964E-06	5.399E-C6	7.39C-E06	1.140E-05	1.737E-05	2.443E-05	3.082E-05	3.485E-C5	3.577E-05
2.00E-01----3.00E-C1	6.486E-05	6.481E-05	6.444E-05	6.333E-05	6.112E-05	5.797E-05	5.464E-05	5.214E-05	5.125E-05
1.00E-C1----2.00E-01	1.4C8E-14	1.425E-04	1.411E-04	1.449E-04	1.481E-04	1.525E-04	1.576E-04	1.635E-04	1.702E-04
5.00E-02----1.00E-01	4.304E-04	4.311E-04	4.339E-04	4.389E-04	4.462E-04	4.557E-04	4.674E-04	4.812E-04	4.968E-04
2.00E-02----5.00E-C2	1.295E-04	1.296E-04	1.300E-04	1.306E-04	1.315E-04	1.327E-C4	1.342E-04	1.358E-C4	1.377E-04
ENERGY GROUP (MEV)	ANGLE 10	ANGLE 11	ANGLE 12	ANGLE 13	ANGLE 14	ANGLE 15	ANGLE 16	ANGLE 17	SCALAR FLUX
8.00E 00----1.00E C1	MU=C.0950	MU=C.2816	MU=0.4580	MU=0.6179	MU=C.7550	MU=0.8656	MU=0.9446	MU=C.9894	6.567E-C6
6.50E 00----8.00E C0	2.033E-08	4.326E-08	-2.624E-09	-9.713E-08	-7.911E-C7	8.362E-07	2.325E-06	9.247E-06	1.921E-05
5.00E 00----6.50E C0	1.015E-07	1.015E-07	-4.003E-08	-4.713E-07	-4.911E-C7	9.087E-07	9.087E-06	9.294E-05	3.202E-05
4.00E 00----5.00E C0	5.017E-07	5.1C7E-07	-1.585E-07	-1.143E-06	-7.531E-07	3.196E-06	3.196E-05	1.305E-C4	1.305E-C4
3.00E 00----4.00E C0	4.217E-07	6.446E-07	-4.567E-07	-1.661E-C6	-3.577E-07	6.192E-06	3.114E-05	1.033E-04	3.209E-05
2.50E 00----3.00E C0	4.893E-07	6.833E-07	-6.107E-07	-1.107E-06	-1.148E-05	8.664E-05	8.70E-05	3.544E-05	3.544E-05
2.00E 00----3.00E C0	2.192E-07	-1.733E-07	-5.561E-07	2.397E-07	4.584E-06	1.640E-05	3.851E-05	6.978E-05	4.110E-05
1.66E 00----2.00E C0	-2.822E-07	-6.038E-07	3.832E-08	2.326E-06	9.C13E-06	2.080E-05	3.789E-05	5.663E-05	4.556E-05
1.33E 00----1.66E C0	-7.915E-07	-5.8C2E-C8	3.125E-05	5.958E-07	5.962E-06	1.433E-05	2.459E-05	5.254E-05	4.433E-05
1.00E 00----1.33E C0	1.115E-07	2.475E-06	8.457E-06	1.651E-05	1.935E-05	2.732E-05	3.185E-05	3.3C3E-05	6.198E-05
8.00E-01----1.00E C0	3.452E-06	8.616E-06	1.521E-05	2.161E-05	2.26E-05	2.828E-05	2.724E-05	2.363E-05	7.792E-05
6.00E-C1----8.00E-C1	1.064E-05	1.720E-05	2.216E-05	2.441E-05	2.455E-05	2.672E-05	2.451E-05	2.154E-05	9.997E-05
4.00E-C1----6.00E-C1	2.908E-05	3.253E-05	3.367F-05	3.344E-C5	3.595E-05	3.549E-05	2.509E-05	2.641E-05	1.334E-C4
3.00E-C1----4.00E-C1	3.460E-05	3.341E-05	3.416E-05	3.713E-05	4.073E-C5	4.278E-05	4.240E-05	4.433E-05	6.089E-04
2.00E-C1----3.00E-C1	5.199E-05	5.376E-05	5.574E-05	5.749E-05	5.955E-05	6.110E-05	6.327E-05	6.498E-05	7.109E-04
1.00E-C1----2.00E-C1	1.777E-04	1.857E-04	1.942E-04	2.026E-04	2.174E-04	2.228E-04	2.260E-04	2.226E-03	2.226E-03
5.00E-02----1.00E-C1	5.14CE-04	5.322E-C4	5.51CE-04	5.694E-04	5.863E-04	6.117E-04	6.180E-04	6.430E-03	6.430E-03
2.00E-02----5.00E-C2	1.397E-04	1.437E-04	1.457E-04	1.474E-04	1.489E-C4	1.499E-04	1.505E-04	1.748E-03	1.748E-03

4 PI R**2 FLUENCE AT 48C0.C METERS

12.20 TO 15.00 MEV NEUTRON SOURCE

(GAMMAS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=-C. 9894	ANGLE 2 MU=-0. 9446	ANGLE 3 MU=-0. 8656	ANGLE 4 MU=0. 7550	ANGLE 5 MU=0. 6179	ANGLE 6 MU=0. 580	ANGLE 7 MU=0. 2816	ANGLE 8 MU=-0. 0950	ANGLE 9 MU=-0. 619E-11
8.00E 00---1.00E 01	-1.839E-09	-4.418E-10	5.789E-10	1.522E-10	1.522E-10	-9.681E-10	-1.273E-09	6.619E-11	
6.50E 00---8.00E 00	-8.179E-09	-1.940E-09	2.599E-09	4.195E-09	6.051E-10	-4.305E-09	-5.467E-09	5.243E-10	
5.00E 00---6.50E 00	-1.898E-06	-1.564E-08	-4.376E-09	6.163E-09	9.613E-09	1.112E-09	-1.004E-08	2.00E-08	2.053E-09
4.00E 00---5.00E 00	-2.612E-08	-5.771E-09	8.705E-09	1.289E-08	7.871E-10	-1.407E-08	-1.519E-08	1.133E-09	
3.00E 00---4.00E 00	-2.092E-08	-4.087E-09	7.430E-09	9.740E-09	-7.740E-10	-1.182E-08	-9.048E-09	5.012E-09	
2.50E 00---3.00E 00	-4.944E-09	-4.625E-11	2.488E-09	1.318E-09	-2.608E-09	-3.846E-09	5.306E-10	8.870E-09	
2.00E 00---2.50E 00	1.803E-08	4.909E-C9	-3.878E-C8	-9.244E-09	-3.448E-09	6.905E-09	1.633E-08	4.493E-09	
1.66E 00---2.00E 00	4.098E-08	9.052E-C9	-1.370E-C8	-1.884E-C8	-2.428E-09	1.857E-08	2.893E-08	-6.173E-09	
1.33E 00---1.66E 00	5.30E-08	4.126E-08	9.414E-09	-1.808E-C8	-2.135E-C8	8.005E-10	2.529E-08	-1.772E-08	
1.00E 00---1.33E 00	2.182E-08	1.77CE-08	1.346E-09	-9.740E-09	-6.335E-09	1.391E-09	-1.518E-08	-2.057E-09	-2.032E-C8
8.00E-01---1.00E 00	-4.269E-08	-1.196E-08	1.299E-08	2.518E-08	6.380E-08	-2.136E-08	-2.577E-08	3.295E-08	
6.00E-01---8.00E-01	-7.187E-08	-1.232E-08	2.785E-08	3.213E-08	-1.700E-C9	-1.675E-08	5.319E-08	2.639E-07	
4.00E-01---6.00E-01	2.646E-07	2.354E-07	2.239E-07	2.645E-07	3.932E-07	2.625E-07	9.373E-07	1.263E-06	
3.00E-01---4.00E-01	5.022E-07	3.415E-07	5.604E-07	8.822E-07	1.251E-07	1.596E-06	1.822E-06	1.839E-06	
2.00E-01---3.00E-01	3.053E-06	3.053E-06	3.030E-C6	2.962E-06	2.852E-06	2.728E-06	2.035E-06	2.609E-06	
1.00E-01---2.00E-01	6.233E-06	6.343E-06	6.537E-06	6.805E-06	7.135E-06	7.506E-06	7.905E-06	8.319E-06	
5.00E-02---1.00E-01	1.834E-05	1.842E-05	1.904E-C5	2.052E-05	2.118E-05	2.212E-05	2.310E-05		
2.00E-02---5.00E-02	5.810E-06	5.844E-06	5.892E-06	5.959E-06	6.043E-06	6.140E-06	6.244E-06	6.356E-06	
ENERGY GROUP (MEV)	ANGLE 11 MU=C. 2816	ANGLE 12 MU=0. 4580	ANGLE 13 MU=0. 6179	ANGLE 14 MU=0. 7550	ANGLE 15 MU=0. 8656	ANGLE 16 MU=0. 9446	ANGLE 17 SCALAR FLUX MU=C. 9894		
8.00E 00---1.00E 01	1.713E-09	-8.722E-10	-8.320E-09	-1.005E-08	1.095E-08	1.543E-07	2.288E-06	4.448E-07	
6.50E 00---8.00E 00	7.656E-09	1.343E-08	-5.418E-09	-3.608E-08	5.744E-08	7.784E-07			
5.00E 00---6.50E 00	1.8C9E-08	2.840E-08	-1.777E-08	-7.997E-08	-5.756E-08	1.908E-07	1.296E-06	6.446E-06	
4.00E 00---5.00E 00	3.097E-08	3.204E-08	-3.482E-08	-1.009E-07	-1.593E-08	3.807E-07	1.751E-06	5.017E-06	
3.00E 00---4.00E 00	2.600E-08	1.175E-08	-4.074E-08	-5.826E-C8	8.710E-08	6.702E-C7	1.962E-06	1.853E-06	
2.30E 00---3.00E 00	6.862E-09	-1.544E-08	-3.138E-08	-2.456E-08	2.452E-08	9.116E-07	1.978E-06	3.249E-06	
2.00E 00---2.50E 00	-2.093E-08	8.112E-10	1.588E-C7	5.155E-08	5.155E-07	9.109E-06	1.883E-06	2.079E-06	
1.66E 00---2.00E 00	-4.723E-08	6.682E-08	3.503E-07	7.732E-07	1.269E-06	1.718E-06	2.018E-06	2.779E-C6	
1.33E 00---1.66E 00	-5.300E-08	1.500E-09	1.989E-07	5.835E-C7	1.323E-06	1.519E-06	1.544E-06	3.18E-06	
1.00E 00---1.33E 00	1.053E-08	1.609E-07	4.718E-07	8.792E-07	1.239E-06	1.390E-06	1.290E-06	4.004E-06	
8.00E 00---1.00E 00	2.046E-07	4.784E-07	8.105E-07	1.112E-06	1.291E-06	1.300E-06	1.174E-06	5.131E-06	
6.00E 00---8.00E 00	5.811E-07	9.097E-07	1.141E-06	1.227E-06	1.210E-06	1.189E-06	1.226E-06	6.842E-06	
4.00E 00---6.00E 01	1.530E-06	1.686E-06	1.725E-06	1.702E-06	1.704E-06	1.959E-06	2.111E-06	1.481E-05	
3.00E 00---4.00E 01	1.772E-06	1.710E-06	1.747E-06	1.892E-06	2.060E-06	2.148E-06	2.119E-06	2.042E-05	
2.00E 00---3.00E 01	2.656E-06	2.748E-06	2.844E-06	2.925E-06	3.000E-06	3.090E-06	3.191E-06	3.564E-05	
1.00E 00---2.00E 01	8.75CE-06	9.191E-06	1.0C6E-05	1.445E-05	1.079E-05	1.105E-05	1.120E-05	1.080E-04	
5.00E 00---6.00E 01	2.414E-05	2.518E-05	2.621E-05	2.718E-05	2.806E-05	2.934E-05	2.966E-05	2.984E-04	
2.00E 00---5.00E 02	6.481E-06	6.601E-06	6.715E-06	6.822E-C6	6.915E-06	6.992E-C6	7.048E-06	7.080E-05	

^4Pi R**2 HENDERSON DOSE (NEUTRONS)
(CH**2 RAU/STERADIAN/SOURCE NEUTRONS)

12.200 TO 15.000 MEV NEUTRON SOURCE

COSINE	1800.C	2100.C	2400.0	RANGE (METERS)	3000.C	3300.C	3600.C
-1.00000E-00	1.777E-12	5.522E-13	1.655E-13	4.933E-14	1.384E-14	3.891E-15	1.181E-15
-9.89401E-01	1.782E-12	5.539E-13	1.660E-13	4.947E-14	1.384E-14	3.903E-15	1.085E-15
-9.45750E-01	1.805E-12	5.611E-13	1.682E-13	4.911E-14	1.405E-14	3.955E-15	1.099E-15
-8.65631E-01	1.850E-12	5.749E-13	1.724E-13	5.032E-14	1.444E-14	4.03E-15	1.126E-15
-7.55044E-01	1.917E-12	5.958E-13	1.786E-13	5.216E-14	1.492E-14	4.201E-15	1.168E-15
-6.17876E-01	2.012E-12	6.255E-13	1.876E-13	5.477E-14	1.567E-14	4.411E-15	1.226E-15
-4.58176E-01	2.142E-12	6.657E-13	1.996E-13	5.826E-14	1.667E-14	4.631E-15	1.304E-15
-2.81665E-01	2.315E-12	7.189E-13	2.154E-13	6.286E-14	1.797E-14	5.059E-15	1.406E-15
-9.50125E-02	2.539E-12	7.875E-13	2.357E-13	6.875E-14	1.965E-14	5.59E-15	1.536E-15
9.50125E-02	2.827E-12	8.755E-13	2.618E-13	7.630E-14	2.181E-14	6.130E-15	1.702E-15
2.81665E-01	3.200E-12	9.894E-13	2.955E-13	8.604E-14	2.456E-14	6.956E-15	1.917E-15
4.58017E-01	3.696E-12	1.140E-12	3.400E-13	9.886E-14	2.82CE-14	7.981E-15	2.198E-15
6.17876E-01	4.383E-12	1.347E-12	4.606E-13	1.162E-13	3.310E-14	9.284E-15	2.573E-15
7.55044E-01	5.364E-12	1.638E-12	4.847E-13	1.061E-13	3.976E-14	1.133E-14	3.079E-15
8.65631E-01	6.803E-12	2.055E-12	6.300E-13	1.732E-13	4.893E-14	1.364E-14	3.764E-15
9.44575E-01	8.937E-12	2.650E-12	7.669E-13	2.080E-13	6.107E-14	1.661E-14	4.638E-15
9.69401E-01	1.231E-11	3.505E-12	9.860E-13	2.745E-13	7.572E-14	2.011E-14	5.624E-15
TOTAL	4.241E-11	1.298E-11	3.850E-12	1.115E-12	3.171E-13	8.882E-14	2.459E-14

COSINE	3800.C	4000.C	4200.0	RANGE (METERS)	4400.C	4600.0	4800.0
-1.00000E-00	4.578E-16	1.93CE-16	8.1CE-17	3.385E-17	1.385E-17	4.949E-18	4.949E-18
-9.89401E-01	4.592E-16	1.936E-16	8.130E-17	3.385E-17	1.395E-17	4.971E-18	4.971E-18
-9.45750E-01	4.663E-16	1.962E-16	8.39E-17	3.441E-17	1.411E-17	5.068E-18	5.068E-18
-8.65631E-01	4.768E-16	2.010E-16	8.444E-17	3.528E-17	1.447E-17	5.252E-18	5.252E-18
-7.55044E-01	4.944E-16	2.084E-16	8.755E-17	3.659E-17	1.584E-17	5.506E-18	5.506E-18
-6.17876E-01	5.190E-16	2.188E-16	9.192E-17	3.843E-17	1.688E-17	5.981E-18	5.981E-18
-4.58017E-01	5.520E-16	2.327E-16	9.775E-17	4.088E-17	1.824E-17	6.427E-18	6.427E-18
-2.81665E-01	5.950E-16	2.509E-16	1.054E-16	4.407E-17	1.924E-17	7.09E-18	7.09E-18
-9.50125E-02	6.501E-16	2.740E-16	1.151E-16	4.815E-17	1.995E-17	7.83E-18	7.83E-18
9.50125E-02	7.204E-16	3.037E-16	1.275E-16	5.335E-17	2.214E-17	8.78E-18	8.78E-18
2.81665E-01	8.110E-16	3.416E-16	1.435E-16	6.004E-17	2.494E-17	9.998E-18	9.998E-18
4.58017E-01	9.295E-16	3.916E-16	1.644E-16	6.878E-17	2.859E-17	1.144E-17	1.144E-17
6.17876E-01	1.088E-15	4.58CE-16	1.922E-16	8.038E-17	3.343E-17	1.358E-17	1.358E-17
7.55044E-01	1.300E-15	5.470E-16	2.294E-16	9.486E-17	3.987E-17	1.626E-17	1.626E-17
8.65631E-01	1.585E-15	6.657E-16	2.787E-16	1.163E-16	4.835E-17	1.98E-17	1.98E-17
9.44575E-01	1.948E-15	8.159E-16	3.407E-16	1.419E-16	5.866E-17	2.412E-17	2.412E-17
9.69401E-01	2.350E-15	9.793E-16	4.072E-16	1.681E-16	6.986E-17	2.888E-17	2.888E-17
TOTAL	1.039E-14	4.373E-15	1.834E-15	7.664E-16	3.177E-16	1.220E-16	

4 PI R**2 SNYDER-NUFFIELD DOSE (NEUTRONS)
(CM**2 RAD/STERADIAN/SOURCE NEUTRON)

12.4E-0 TO 15.0E-0 MEV NEUTRON SOURCE

COSINE	180.0	210.0	240.0	RANGE (METERS)	300.0	330.0	3600.0
-1.00000E 00	3.790E-12	1.202E-12	3.655E-13	1.079E-13	3.11CE-14	8.805E-15	2.458E-15
-9.89401E-01	3.800E-12	1.205E-12	3.664E-13	1.081E-13	3.118E-14	8.827E-15	2.464E-15
-9.44575E-01	3.804E-12	1.208E-12	3.704E-13	1.093E-13	3.15E-14	8.922E-15	2.490E-15
-8.65631E-01	3.918E-12	1.242E-12	3.778E-13	1.115E-13	3.214E-14	9.099E-15	2.540E-15
-7.55044E-01	4.034E-12	1.279E-12	3.889E-13	1.147E-13	3.309E-14	9.356E-15	2.614E-15
-6.17876E-01	4.197E-12	1.330E-12	4.044E-13	1.193E-13	3.439E-14	9.735E-15	2.717E-15
-4.58017E-01	4.414E-12	1.398E-12	4.249E-13	1.253E-13	3.611E-14	1.022E-14	2.852E-15
-2.81605E-01	4.698E-12	1.486E-12	4.514E-13	1.330E-13	3.832E-14	1.084E-14	3.025E-15
-9.50125E-02	5.059E-12	1.598E-12	4.848E-13	1.428E-13	4.111E-14	1.163E-14	3.243E-15
9.50125E-02	5.514E-12	1.733E-12	5.267E-13	1.550E-13	4.455E-14	1.261E-14	3.514E-15
2.81605E-01	6.092E-12	1.916E-12	6.797E-13	1.704E-13	4.897E-14	1.383E-14	3.855E-15
4.58017E-01	6.843E-12	2.146E-12	6.479E-13	1.971E-13	5.541E-14	4.290E-15	4.290E-15
6.17876E-01	7.857E-12	2.454E-12	7.384E-13	2.162E-13	6.195E-14	4.857E-15	4.857E-15
7.55044E-01	9.276E-12	2.877E-12	8.613E-13	2.512E-13	7.177E-14	5.604E-14	5.604E-15
8.65631E-01	1.132E-11	3.472E-12	1.031E-12	4.031E-12	8.988E-13	2.381E-14	6.590E-15
9.44575E-01	1.431E-11	4.311E-12	2.633E-12	3.624E-13	1.023E-13	2.847E-14	7.841E-15
9.89401E-01	1.899E-11	5.505E-12	1.571E-12	4.421E-13	1.230E-13	3.386E-14	9.241E-15
TOTAL	7.878E-11	2.458E-11	7.392E-12	2.163E-12	6.198E-13	1.747E-13	4.858E-14

COSINE	3800.0	4000.0	RANGE (METERS)	4200.0	4400.0	4600.0	4800.0
-1.60000E CC	1.043E-15	4.405E-16	1.853E-16	7.751E-17	3.18CE-17	1.147E-17	1.147E-17
-9.69401E-01	1.046E-15	4.416E-16	1.858E-16	7.771E-17	3.189E-17	1.151E-17	1.151E-17
-9.44575E-01	1.057E-15	4.464E-16	1.878E-16	7.855E-17	3.226E-17	1.169E-17	1.169E-17
-8.65631E-01	1.078E-15	4.553E-16	1.915E-16	8.013E-17	3.294E-17	1.202E-17	1.202E-17
-7.55044E-01	1.504E-15	4.686E-16	1.971E-16	8.249E-17	3.522E-17	1.252E-17	1.252E-17
-6.17876E-01	1.153E-15	4.870E-16	2.049E-16	8.575E-17	3.596E-17	1.320E-17	1.320E-17
-4.58017E-01	1.210E-15	5.111E-16	2.150E-16	9.001E-17	3.716E-17	1.408E-17	1.408E-17
-2.81605E-01	2.61605E-01	1.283E-15	5.42CE-16	2.286E-16	9.546E-17	3.95CE-17	1.517E-17
-9.50125E-02	1.375E-15	5.80CE-16	2.445E-16	1.023E-16	4.237E-17	1.647E-17	1.647E-17
9.50125E-02	1.490E-15	6.292E-16	2.646E-16	1.108E-16	4.995E-17	1.805E-17	1.805E-17
2.81605E-01	1.634E-15	6.899E-16	2.901E-16	1.215E-16	5.043E-17	1.998E-17	1.998E-17
4.58017E-01	1.818E-15	7.672E-16	3.225E-16	1.350E-16	5.61CE-17	2.298E-17	2.298E-17
6.17876E-01	2.057E-15	6.676E-16	3.646E-16	1.526E-16	6.643E-17	2.548E-17	2.548E-17
7.55044E-01	2.371E-15	9.991E-16	4.195E-16	1.755E-16	7.296E-17	2.947E-17	2.947E-17
8.65631E-01	2.783E-15	1.171E-15	4.911E-16	2.052E-16	8.58E-17	3.454E-17	3.454E-17
9.44575E-01	3.303E-15	1.386E-15	5.799E-16	2.416E-16	1.0C4E-16	4.081E-17	4.081E-17
9.89401E-01	3.872E-15	1.618E-15	6.742E-16	2.802E-16	1.166E-16	4.715E-17	4.715E-17
TOTAL	2.057E-14	8.675E-15	3.645E-15	1.525E-15	6.318E-16	2.478E-16	

CM*4 PI R**2 ISSUE KERMA (NEUTRONS) SOURCE NEUTRUNK
CM**2 ERGS/GRAM/STERADIAN/NEUTRUNK

12.26E TO 15.00E MEV NEUTRUNK SOURCE

COSINE	180.0	210.0	240.0	RANGE (METERS)	300.0	330.0	360.0
-1.0000E+00	2.012E-10	6.245E-11	1.891E-11	5.535E-12	1.587E-12	4.473E-13	1.244E-13
-9.8401E-01	6.363E-10	1.897E-11	1.897E-11	5.622E-12	1.611E-12	4.591E-13	1.288E-13
-9.4575E-01	2.044E-10	6.362E-11	1.920E-11	5.622E-12	1.611E-12	4.543E-13	1.264E-13
-8.6631E-01	2.092E-10	6.592E-11	1.966E-11	5.754E-12	1.649E-12	4.650E-13	1.294E-13
-7.50444E-01	2.164E-10	6.779E-11	2.034E-11	5.912E-12	1.767E-12	4.812E-13	1.339E-13
-6.17876E-01	2.267E-10	7.079E-11	2.130E-11	6.230E-12	1.787E-12	5.039E-13	1.402E-13
-4.50017E-01	2.406E-10	7.511E-11	2.259E-11	6.613E-12	1.895E-12	5.342E-13	1.486E-13
-2.00055E-01	2.590E-10	8.079E-11	<4.229E-11	7.15CE-12	2.036E-12	5.737E-13	1.596E-13
-9.50125E-02	2.628E-10	8.009E-11	2.646E-11	7.734E-12	2.215E-12	6.239E-13	1.735E-13
9.50125E-02	3.132E-10	9.7CE-11	2.922E-11	8.534E-12	2.442E-12	6.877E-13	1.911E-13
2.81065E-01	3.524E-10	1.094E-10	3.276E-11	9.560E-12	2.734E-12	7.693E-13	2.117E-13
4.50617E-01	4.042E-10	1.252E-10	3.742E-11	1.096E-11	3.114E-12	8.757E-13	2.434E-13
6.17876E-01	4.757E-10	1.467E-10	4.273E-11	1.271E-11	3.624E-12	1.018E-12	2.233E-13
7.50444E-01	5.780E-10	1.770E-10	5.247E-11	1.519E-11	4.316E-12	1.209E-12	3.348E-13
9.00031E-01	6.283E-10	2.094E-10	6.766E-11	1.862E-11	5.266E-12	1.669E-12	4.033E-13
9.4575E-01	9.524E-10	2.825E-10	8.184E-11	2.328E-11	6.526E-12	1.808E-12	4.960E-13
9.8401E-01	1.311E-09	3.726E-10	1.488E-10	2.918E-11	8.051E-12	2.203E-12	5.936E-13
TOTAL	4.656E-09	1.426E-09	4.248E-10	1.233E-10	3.511E-11	9.648E-12	2.729E-12

COSINE	360.0	400.0	RANGE (METERS)	440.0	460.0	480.0
-1.0000E+00	5.271E-14	2.224E-14	5.342E-15	3.903E-15	1.598E-15	5.724E-16
-9.6401E-01	5.287E-14	2.226E-14	9.370E-15	5.914E-15	1.603E-15	5.749E-16
-9.4575E-01	5.354E-14	2.258E-14	9.489E-15	3.965E-15	1.625E-15	5.856E-16
-8.6631E-01	5.480E-14	2.312E-14	9.713E-15	4.506E-15	1.666E-15	6.056E-16
-7.50444E-01	5.672E-14	2.393E-14	1.05E-14	4.203E-15	1.729E-15	6.360E-16
-6.17876E-01	5.939E-14	2.505E-14	1.053E-14	4.403E-15	1.815E-15	6.781E-16
-4.50017E-01	6.295E-14	2.655E-14	1.116E-14	4.667E-15	1.928E-15	7.329E-16
-2.00055E-01	6.750E-14	2.955E-14	1.198E-14	5.51E-15	2.079E-15	8.017E-16
-9.50125E-02	7.346E-14	3.698E-14	1.302E-14	5.446E-15	2.257E-15	8.847E-16
9.50125E-02	8.092E-14	3.433E-14	1.434E-14	5.999E-15	2.489E-15	9.864E-16
2.81065E-01	9.488E-14	3.814E-14	1.626E-14	6.704E-15	2.785E-15	1.113E-15
4.50017E-01	1.029E-13	4.337E-14	1.821E-14	7.920E-15	3.167E-15	1.275E-15
6.17876E-01	1.194E-13	5.088E-14	2.111E-14	8.629E-15	3.671E-15	1.487E-15
7.50444E-01	1.414E-13	5.951E-14	2.496E-14	1.043E-14	4.339E-15	1.766E-15
9.00031E-01	1.709E-13	7.175E-14	3.007E-14	1.255E-14	5.217E-15	2.130E-15
9.4575E-01	2.085E-13	8.733E-14	3.648E-14	1.522E-14	6.305E-15	2.578E-15
9.8401E-01	2.501E-13	1.043E-13	4.336E-14	1.799E-14	7.446E-15	3.040E-15
TOTAL	1.154E-12	4.858E-13	2.638E-13	8.519E-14	3.531E-14	1.396E-14

4 PIR**2 MID-PHANTOM LOSE (NEUTRONS)
 (CM**2 RAD/STERADIAN/SOURCE NEUTRIN)

12.260 TO 15.000 MEV NEUTRIN SOURCE

COSINE	1800.0	2100.0	2400.0	RANGE (METERS)	3000.C	3300.0	3600.0
-1.0000E 00	6.667E-13	2.080E-13	6.292E-14	1.846E-14	5.298E-15	1.496E-15	4.165E-16
-9.8940E-01	6.686E-13	2.092E-13	6.308E-14	1.85CE-14	5.312E-15	1.499E-15	4.176E-16
-9.4455E-01	6.379E-13	2.116E-13	6.719E-14	1.871E-14	5.371E-15	1.516E-15	4.222E-16
-8.6531E-01	6.910E-13	2.161E-13	6.513E-14	1.910E-14	5.402E-15	1.547E-15	4.309E-16
-7.5504E-01	7.131E-13	2.229E-13	6.718E-14	1.970E-14	5.653E-15	1.595E-15	4.442E-16
-6.1787E-01	2.329E-13	7.063E-13	7.013E-14	2.055E-14	5.897E-15	1.664E-15	4.632E-16
-4.5801E-01	7.905E-13	2.466E-13	7.418E-14	2.172E-14	6.229E-15	1.756E-15	4.888E-16
-2.8165E-01	8.524E-13	2.651E-13	7.961E-14	2.328E-14	6.668E-15	1.879E-15	5.226E-16
-9.50125E-02	9.340E-13	2.895E-13	8.669E-14	2.530E-14	7.238E-15	2.038E-15	5.663E-16
9.50125E-02	1.041E-12	3.212E-13	9.591E-14	2.793E-14	7.979E-15	2.244E-15	6.231E-16
2.81650E-01	1.182E-12	3.634E-13	1.082E-13	3.145E-14	8.968E-15	2.519E-15	6.990E-16
4.58017E-01	1.383E-12	4.230E-13	1.255E-13	3.638E-14	9.04E-15	2.904E-15	8.050E-16
6.17876E-01	1.687E-12	5.126E-13	1.513E-13	4.368E-14	1.036E-14	3.468E-15	9.596E-16
7.55044E-01	2.172E-12	6.528E-13	1.911E-13	5.481E-14	1.547E-14	4.313E-15	1.190E-15
8.6531E-01	2.965E-12	8.762E-13	2.531E-13	7.188E-14	2.013E-14	5.577E-15	1.530E-15
9.44550E-01	4.224E-12	1.228E-12	3.478E-13	9.726E-14	2.691E-14	7.380E-15	2.009E-15
9.89401E-01	6.550E-12	1.787E-12	4.869E-13	1.323E-13	3.582E-14	9.655E-15	2.591E-15
TOTAL	1.689E-11	5.103E-12	1.501E-12	4.032E-13	1.222E-13	3.419E-14	9.446E-15
LOSINE	3800.0	4000.0	4200.0	RANGE (METERS)	4400.0	4600.0	4800.0
-1.0000E 00	1.765E-16	7.448E-17	3.130E-17	1.3C8E-17	5.364E-16	1.935E-16	
-9.8940E-01	1.770E-16	7.467E-17	3.38E-17	1.312E-17	5.376E-18	1.942E-18	
-9.4455E-01	1.779E-16	7.55CE-17	3.173E-17	1.326E-17	5.442E-18	1.972E-18	
-8.6531E-01	1.826E-16	7.705E-17	3.38E-17	1.354E-17	5.562E-18	2.029E-18	
-7.55044E-01	1.682E-16	7.943E-17	3.38E-17	1.396E-17	5.744E-18	2.117E-18	
-6.17876E-01	1.967E-16	8.281E-17	3.48CE-17	1.456E-17	6.000E-18	2.241E-18	
-4.58017E-01	2.071E-16	8.736E-17	3.61E-17	1.536E-17	6.342E-18	2.405E-18	
-2.81650E-01	2.213E-16	9.335E-17	3.922E-17	1.641E-17	6.786E-18	2.615E-18	
-9.50125E-02	2.397E-16	1.011E-16	4.266E-17	1.766E-17	7.359E-18	2.870E-18	
9.50125E-02	2.637E-16	1.111E-16	4.67E-17	1.952E-17	8.093E-18	3.192E-18	
2.81650E-01	2.957E-16	1.246E-16	5.230E-17	2.187E-17	9.077E-18	3.612E-18	
4.58017E-01	3.030E-16	1.433E-16	6.015E-17	2.515E-17	1.045E-17	4.189E-18	
6.17876E-01	4.053E-16	1.705E-16	7.152E-17	2.989E-17	1.242E-17	5.015E-18	
7.55044E-01	5.015E-16	2.107E-16	8.826E-17	3.665E-17	1.531E-17	6.215E-18	
8.6531E-01	6.433E-16	2.696E-16	1.017E-16	4.694E-17	1.948E-17	7.938E-18	
9.44550E-01	8.404E-16	3.507E-16	1.460E-16	6.063E-17	2.509E-17	1.024E-17	
9.89401E-01	1.075E-15	4.456E-16	1.833E-16	7.611E-17	3.134E-17	1.277E-17	
TOTAL	3.986E-15	1.676E-15	7.023E-16	2.932E-16	1.214E-16	4.796E-17	

4 PI R**2 CONCRETE KERRA (NEUTRONS)
(C4**2 CKGS/GRAM/SERADIANT/SOURCE NEUTRIN)

12.250 TO 15.000 MEV NEUTRIN SOURCE

CROSS SECTION	1800.0	2100.0	2400.0	2700.0	RANGE (METERS)		3300.0	3600.0
					2700.0	3000.0		
-1.0000E+00	2.357E-11	7.226E-12	2.197E-12	6.415E-13	1.835E-13	5.168E-14	1.436E-14	1.441E-14
-9.8940E-01	2.364E-11	7.349E-12	2.204E-12	6.435E-13	1.841E-13	5.163E-14	1.441E-14	1.441E-14
-9.4457E-01	2.396E-11	7.445E-12	2.232E-12	6.519E-13	1.865E-13	5.251E-14	1.466E-14	1.466E-14
-8.65631E-01	2.454E-11	7.626E-12	2.287E-12	6.677E-13	1.915E-13	5.379E-14	1.491E-14	1.491E-14
-7.5504E-01	2.542E-11	7.899E-12	2.369E-12	6.917E-13	1.979E-13	5.572E-14	1.549E-14	1.549E-14
-6.17876E-01	6.677E-11	8.281E-12	2.485E-12	7.256E-13	2.076E-13	5.845E-14	1.622E-14	1.622E-14
-4.58017E-01	2.838E-11	8.814E-12	2.642E-12	7.712E-13	2.266E-13	6.210E-14	1.726E-14	1.726E-14
-2.1665E-01	3.068E-11	9.517E-12	2.850E-12	8.314E-13	2.377E-13	6.689E-14	1.855E-14	1.855E-14
-9.50125E-02	3.368E-11	1.043E-11	3.118E-12	9.087E-13	2.596E-13	7.362E-14	2.028E-14	2.028E-14
9.50125E-02	3.754E-11	1.159E-11	3.461E-12	1.018E-12	2.877E-13	8.086E-14	2.248E-14	2.248E-14
2.8165E-01	4.254E-11	1.310E-11	3.905E-12	1.135E-12	3.236E-13	9.094E-14	2.521E-14	2.521E-14
4.58017E-01	4.923E-11	1.512E-11	4.494E-12	1.304E-12	3.715E-13	1.042E-13	2.890E-14	2.890E-14
6.17876E-01	5.869E-11	1.793E-11	5.364E-12	1.536E-12	4.364E-13	1.222E-13	3.384E-14	3.384E-14
7.55044E-01	7.273E-11	2.206E-11	6.466E-12	1.861E-12	5.265E-13	1.470E-13	4.098E-14	4.098E-14
8.65631E-01	9.429E-11	2.605E-11	8.146E-12	2.323E-12	6.527E-13	1.812E-13	4.993E-14	4.993E-14
9.44575E-01	1.2808E-10	3.707E-11	1.056E-11	2.996E-12	8.242E-13	2.268E-13	6.195E-14	6.195E-14
9.89401E-01	1.658E-10	5.086E-11	1.394E-11	3.811E-12	1.038E-12	2.812E-13	7.585E-14	7.585E-14
TOTAL	5.746E-10	1.743E-10	5.140E-11	1.483E-11	4.206E-12	1.176E-12	3.293E-13	3.293E-13

CROSS SECTION	3600.0	4000.0	4400.0	4800.0	RANGE (METERS)		4600.0	4800.0
					4200.0	4600.0		
-1.0000E+00	9.081E-15	2.564E-15	1.077E-15	4.097E-16	1.041E-16	1.041E-16	6.583E-17	6.583E-17
-9.89401E-01	6.100E-15	2.572E-15	1.080E-15	4.511E-16	1.047E-16	1.047E-16	6.612E-17	6.612E-17
-9.44575E-01	6.179E-15	2.605E-15	1.094E-15	4.672E-16	1.072E-16	1.072E-16	6.739E-17	6.739E-17
-8.65631E-01	6.330E-15	2.669E-15	1.121E-15	4.984E-16	1.022E-16	1.022E-16	6.977E-17	6.977E-17
-7.55044E-01	6.536E-15	2.765E-15	1.161E-15	5.856E-16	1.096E-16	1.096E-16	7.340E-17	7.340E-17
-6.17876E-01	6.878E-15	2.909E-15	1.218E-15	6.998E-16	2.099E-16	2.099E-16	7.843E-17	7.843E-17
-5.58017E-01	7.307E-15	3.081E-15	1.294E-15	5.412E-16	2.235E-16	2.235E-16	8.504E-17	8.504E-17
-2.81650E-01	7.867E-15	3.317E-15	1.393E-15	5.822E-16	2.411E-16	2.411E-16	9.334E-17	9.334E-17
-9.50125E-02	6.583E-15	3.618E-15	1.519E-15	6.356E-16	2.634E-16	2.634E-16	1.034E-16	1.034E-16
9.50125E-02	9.498E-15	4.030E-15	1.681E-15	7.031E-16	2.917E-16	2.917E-16	1.158E-16	1.158E-16
2.81650E-01	1.067E-14	4.497E-15	1.888E-15	7.699E-16	3.286E-16	3.286E-16	1.314E-16	1.314E-16
4.26017E-01	1.222E-14	5.147E-15	2.166E-15	9.445E-16	3.755E-16	3.755E-16	1.515E-16	1.515E-16
6.17876E-01	1.430E-14	6.018E-15	2.525E-15	1.055E-15	4.388E-16	4.388E-16	1.780E-16	1.780E-16
7.55044E-01	1.713E-14	7.20CE-15	3.017E-15	1.240E-15	5.239E-16	5.239E-16	2.135E-16	2.135E-16
8.65631E-01	2.097E-14	8.799E-15	3.680E-15	1.555E-15	6.375E-16	6.375E-16	2.605E-16	2.605E-16
9.44575E-01	2.596E-14	1.085E-14	4.520E-15	1.482E-15	7.801E-16	7.801E-16	3.191E-16	3.191E-16
9.89401E-01	3.158E-14	1.312E-14	5.444E-15	2.234E-15	9.304E-16	9.304E-16	3.800E-16	3.800E-16
TOTAL	1.373E-13	5.777E-14	2.422E-14	1.012E-14	4.191E-15	4.191E-15	1.661E-15	1.661E-15

(CM**2 EKG/SGRAM/STERADIAN/SOURCE NEUTRUNK)

12.200 TO 15.000 MEV NEUTRON SOURCE

COSINE	1800.0	2100.0	2400.0	RANGE (METERS)	3000.0	3300.0	3600.0
-1.00000E+00	2.870E-11	8.967E-12	2.701E-12	7.917E-13	2.272E-13	6.410E-14	1.784E-14
-9.89401E-01	2.878E-11	8.992E-12	2.708E-12	7.938E-13	2.277E-13	6.426E-14	1.789E-14
-9.44575E-01	2.912E-11	9.095E-12	2.739E-12	8.026E-13	2.303E-13	6.497E-14	1.809E-14
-8.65631E-01	2.976E-11	9.295E-12	2.797E-12	8.195E-13	2.351E-13	6.632E-14	1.866E-14
-7.55044E-01	3.075E-11	9.585E-12	2.885E-12	8.451E-13	2.424E-13	6.838E-14	1.903E-14
-6.17876E-01	3.210E-11	1.001E-11	3.011E-12	8.818E-13	2.529E-13	7.319E-14	1.985E-14
-4.58017E-01	3.403E-11	1.060E-11	3.185E-12	9.195E-13	2.671E-13	7.595E-14	2.095E-14
-2.81605E-01	3.669E-11	1.14CE-11	3.418E-12	9.989E-13	2.862E-13	8.056E-14	2.240E-14
-9.50125E-02	4.022E-11	1.245E-11	3.724E-12	1.086E-12	3.106E-13	8.741E-14	2.429E-14
9.50125E-02	4.486E-11	1.382E-11	4.124E-12	1.200E-12	3.427E-13	9.634E-14	2.675E-14
2.81605E-01	5.102E-11	1.565E-11	4.655E-12	1.352E-12	3.854E-13	1.082E-13	3.002E-14
4.58017E-01	5.962E-11	1.820E-11	5.394E-12	1.562E-12	4.443E-13	1.244E-13	3.451E-14
6.17876E-01	7.476E-11	2.196E-11	6.476E-12	1.866E-12	5.289E-13	1.479E-13	4.09L-14
7.55044E-01	9.260E-11	2.772E-11	8.C89E-12	2.316E-12	6.529E-13	1.818E-13	5.011E-14
8.65631E-01	1.2505E-10	3.67CE-11	1.C55E-11	2.988E-12	8.351E-13	2.310E-13	6.331E-14
9.44575E-01	1.776E-10	5.061E-11	1.423E-11	3.961E-12	1.093E-12	2.900E-13	8.125E-14
9.89401E-01	2.706E-10	7.255E-11	1.955E-11	5.274E-12	1.421E-12	3.821E-13	1.024E-13
TOTAL	7.208E-10	2.170E-10	6.365E-11	1.83CE-11	5.17bE-12	1.446E-12	3.993E-13

COSINE	3800.0	4000.0	4200.0	RANGE (METERS)	4400.0	4600.0	4800.0
-1.00000E+00	7.561E-15	3.190E-15	1.341E-15	5.603E-16	2.296E-16	8.40UE-17	
-9.89401E-01	7.581E-15	3.195E-15	1.344E-15	5.617E-16	2.302E-16	8.291E-17	
-9.44575E-01	6.664E-15	3.234E-15	1.359E-15	5.686E-16	2.336E-16	8.422E-17	
-8.65631E-01	7.822E-15	3.30CE-15	1.387E-15	5.798E-16	2.381E-16	8.633E-17	
-7.55044E-01	8.065E-15	3.403E-15	1.430E-15	5.979E-16	2.466E-16	9.055E-17	
-6.17876E-01	8.409E-15	3.547E-15	1.491E-15	6.575E-16	2.57CE-16	9.593E-17	
-4.58017E-01	8.873E-15	3.743E-15	1.573E-15	7.032E-16	2.717E-16	1.031E-16	
-2.81605E-01	9.487E-15	4.015E-15	1.681E-15	7.617E-16	2.909E-16	1.121E-16	
-9.50125E-02	1.028E-14	4.335E-15	1.821E-15	8.360E-16	3.155E-16	1.232E-16	
9.50125E-02	1.132E-14	4.771E-15	2.003E-15	8.790E-16	3.475E-16	1.372E-16	
2.81605E-01	1.270E-14	5.349E-15	2.246E-15	9.192E-16	3.898E-16	1.553E-16	
4.58017E-01	1.459E-14	6.143E-15	2.578E-15	1.078E-15	4.477E-16	1.791E-16	
6.17876E-01	1.727E-14	7.266E-15	3.C47E-15	1.273E-15	5.290E-16	2.137E-16	
7.55044E-01	2.112E-14	8.871E-15	3.715E-15	1.551E-15	6.440E-16	2.615E-16	
8.65631E-01	2.660E-14	1.114E-14	4.656E-15	1.940E-15	8.C46E-16	3.27E-16	
9.44575E-01	3.398E-14	1.417E-14	5.898E-15	2.449E-15	1.C13E-15	4.134E-16	
9.89401E-01	4.247E-14	1.759E-14	7.276E-15	3.065E-15	1.238E-15	5.039E-16	
TOTAL	1.685E-13	7.084E-14	2.968E-14	1.239E-14	5.132E-15	2.027E-15	

⁴PI R**2 IONIZING SILICON KERMA (NEUTRONS)
(CM**2 EKG/GRAM/SERADIANSOURCE NEUTRONS)

12.200 TO 15.000 MEV NEUTRON SOURCE

COSINE	RANGE (METERS)					
	180.0	110.0	240.0	270.0	300.0	330.0
-1.00000E+00	2.292E-12	6.740E-13	1.943E-13	5.515E-14	1.545E-14	4.284E-15
-9.89401E-01	2.304E-12	6.772E-13	1.942E-13	5.430E-14	1.518E-14	4.303E-15
-9.44575E-01	2.350E-12	6.904E-13	1.939E-13	5.645E-14	1.581E-14	4.383E-15
-8.65631E-01	2.432E-12	7.145E-13	2.050E-13	5.839E-14	1.636E-14	4.533E-15
-7.55044E-01	2.501E-12	7.500E-13	2.161E-13	6.134E-14	1.716E-14	4.762E-15
-6.17876E-01	2.734E-12	8.036E-13	2.316E-13	6.572E-14	1.841E-14	1.400E-15
-4.58017E-01	3.012E-12	8.841E-13	2.544E-13	7.207E-14	2.016E-14	5.582E-15
-2.81005E-01	3.426E-12	1.061E-12	2.868E-13	8.103E-14	2.262E-14	6.251E-15
-9.56125E-02	3.996E-12	1.159E-12	3.307E-13	9.307E-14	2.591E-14	1.713E-15
9.50125E-02	4.748E-12	1.369E-12	3.987E-13	1.090E-13	3.026E-14	1.954E-15
2.81605E-01	5.159E-12	1.655E-12	4.665E-13	1.341E-13	3.635E-14	2.334E-15
2.81605E-01	5.159E-12	1.655E-12	4.665E-13	1.341E-13	3.635E-14	2.728E-15
4.58017E-01	7.279E-12	2.087E-12	5.896E-13	1.644E-13	4.566E-14	3.415E-15
6.17876E-01	9.871E-12	2.810E-12	7.931E-13	2.208E-13	6.094E-14	1.669E-14
7.55044E-01	1.060E-11	4.127E-12	1.051E-12	3.182E-13	8.725E-14	2.378E-14
8.65631E-01	2.432E-11	6.477E-12	1.781E-12	4.863E-13	1.322E-13	3.566E-14
9.44575E-01	3.913E-11	1.056E-11	1.488E-12	4.863E-13	1.448E-13	5.591E-15
9.89401E-01	7.026E-11	1.787E-11	4.593E-12	1.189E-12	3.093E-13	8.661E-14
TOTAL	1.012E-10	2.831E-11	7.056E-12	2.161E-12	5.910E-13	1.607E-13
						4.344E-14

COSINE	RANGE (METERS)					
	380.0	400.0	420.0	440.0	460.0	480.0
-1.00000E+00	4.951E-16	2.077E-16	8.642E-17	3.611E-17	1.471E-17	5.220E-18
-9.89401E-01	4.973E-16	2.086E-16	8.719E-17	3.624E-17	1.478E-17	5.250E-18
-9.44575E-01	5.065E-16	2.124E-16	8.879E-17	3.694E-17	1.507E-17	5.383E-18
-8.65631E-01	5.237E-16	2.196E-16	9.881E-17	3.822E-17	1.561E-17	5.634E-18
-7.55044E-01	5.501E-16	2.307E-16	9.646E-17	4.015E-17	1.645E-17	6.025E-18
-6.17876E-01	6.877E-16	2.476E-16	1.033E-16	4.304E-17	1.766E-17	6.596E-18
-4.58017E-01	6.440E-16	2.699E-16	1.028E-16	4.698E-17	1.955E-17	7.308E-18
-2.81605E-01	7.196E-16	3.014E-16	1.259E-16	5.243E-17	2.164E-17	8.441E-18
-9.50125E-02	8.203E-16	3.433E-16	1.393E-16	5.966E-17	2.465E-17	9.777E-18
9.50125E-02	9.549E-16	3.994E-16	1.667E-16	6.936E-17	2.805E-17	1.15CE-17
2.81605E-01	1.144E-15	4.782E-16	1.995E-16	8.301E-17	3.437E-17	1.39CE-17
4.58017E-01	1.431E-15	5.983E-16	2.495E-16	1.038E-16	4.3CE-17	1.750E-17
6.17876E-01	1.901E-15	7.940E-16	3.269E-16	1.375E-16	5.699E-17	2.331E-17
7.55044E-01	2.689E-15	1.120E-15	4.659E-16	1.933E-16	8.066E-17	3.280E-17
8.65631E-01	3.987E-15	1.654E-15	6.854E-16	2.635E-16	1.17E-16	4.798E-17
9.44575E-01	5.979E-15	2.466E-15	1.010E-15	4.180E-16	1.717E-16	7.023E-17
9.89401E-01	8.586E-15	3.505E-15	1.431E-15	5.837E-16	2.388E-16	9.676E-17
TOTAL	1.812E-14	7.54CE-15	3.132E-15	1.298E-15	5.352E-16	2.150E-16

4 PI R**2 NON IONIZING SILICON KERMA (NEUTRONS)
 (CH**2 ERGS/GRAM/STERADIAN/SOURCE NEUTRON)

12.200 TO 15.000 MeV NEUTRON SOURCE

COSINE	1800.0	2100.0	2400.0	RANGE (METERS)	3000.0	3300.0	3600.0
				2700.0			
-1.0000E+00	2.424E-12	7.521E-13	2.251E-13	6.566E-14	1.877E-14	5.279E-15	1.466E-15
-9.9940E-01	2.432E-12	7.545E-13	2.259E-13	6.587E-14	1.883E-14	5.296E-15	1.471E-15
-9.44575E-01	2.465E-12	7.648E-13	2.290E-13	6.678E-14	1.9C9E-14	5.370E-15	1.492E-15
-8.65631E-01	2.527E-12	7.845E-13	2.348E-13	6.850E-14	1.986E-14	5.509E-15	1.530E-15
-7.5044E-01	2.622E-12	8.139E-13	2.437E-13	7.111E-14	2.033E-14	5.720E-15	1.589E-15
-6.17876E-01	2.757E-12	8.559E-13	2.564E-13	7.479E-14	2.138E-14	6.016E-15	1.672E-15
-4.58017E-01	9.126E-12	9.126E-13	2.733E-13	7.973E-14	2.279E-14	6.413E-15	1.782E-15
-2.8165E-C1	3.183E-12	9.875E-13	2.956E-13	8.622E-14	2.464E-14	6.933E-15	1.926E-15
-9.50125E-C2	3.497E-12	1.084E-12	3.243E-13	9.454E-14	2.701E-14	7.597E-15	2.110E-15
9.50125E-02	3.901E-12	1.208E-12	3.610E-13	1.052E-13	3.063E-14	8.444E-15	2.345E-15
2.81650E-01	4.421E-12	1.367E-12	4.081E-13	1.188E-13	3.391E-14	9.531E-15	2.646E-15
4.38017E-01	5.1C9E-12	1.577E-12	4.701E-13	1.367E-13	3.899E-14	1.095E-14	3.038E-15
6.17876E-01	6.055E-12	1.862E-12	5.539E-13	1.660E-13	4.578E-14	1.284E-14	3.560E-15
7.5044E-01	7.398E-12	2.261E-12	6.696E-13	1.936E-13	5.499E-14	1.539E-14	4.259E-15
6.65631E-01	9.358E-12	2.836E-12	8.314E-13	2.396E-13	6.155E-14	1.884E-14	5.196E-15
8.44575E-01	1.225E-11	3.640E-12	1.055E-12	3.002E-13	8.418E-14	2.332E-14	6.399E-15
9.59401E-01	1.683E-11	4.893E-12	1.354E-12	3.776E-13	1.043E-13	2.855E-14	7.758E-15
TOTAL	5.837E-11	1.787E-11	5.299E-12	1.555E-12	4.364E-13	1.223E-13	3.385E-14

COSINE	3800.0	4000.0	RANGE (METERS)	4200.0	4400.0	4600.0	4800.0
				4000.0			
-1.0000E+00	6.206E-16	2.616E-16	1.098E-16	4.586E-17	1.876E-17	6.682E-17	6.682E-17
-9.89401E-01	6.226E-16	2.625E-16	1.102E-16	4.661E-17	1.882E-17	6.714E-18	6.714E-18
-9.44575E-01	6.313E-16	2.661E-16	1.117E-16	4.666E-17	1.891E-17	6.853E-18	6.853E-18
-8.65631E-01	6.477E-16	2.730E-16	1.147E-16	4.789E-17	1.964E-17	7.113E-18	7.113E-18
-7.5044E-01	6.726E-16	2.855E-16	1.191E-16	4.976E-17	2.045E-17	7.508E-18	7.508E-18
-6.17876E-01	7.075E-16	2.933E-16	1.335E-16	5.236E-17	2.157E-17	8.059E-18	8.059E-18
-4.58017E-01	7.542E-16	3.179E-16	1.443E-16	5.583E-17	2.306E-17	8.779E-18	8.779E-18
-2.81650E-C1	8.151E-16	3.436E-16	1.443E-16	6.035E-17	2.497E-17	9.684E-18	9.684E-18
-9.50125E-C2	8.929E-16	3.764E-16	1.581E-16	6.611E-17	2.746E-17	1.078E-17	1.078E-17
9.50125E-02	9.921E-16	4.181E-16	1.756E-16	7.346E-17	3.049E-17	1.213E-17	1.213E-17
2.81650E-C1	1.119E-15	4.717E-16	1.980E-16	8.285E-17	3.412E-17	1.382E-17	1.382E-17
1.58017E-01	1.285E-15	5.414E-16	2.273E-16	9.508E-17	3.953E-17	1.596E-17	1.596E-17
6.17876E-01	1.5058E-15	6.337E-16	2.659E-16	1.112E-16	4.662E-17	1.881E-17	1.881E-17
7.55644E-01	1.799E-15	7.567E-16	3.173E-16	1.320E-16	5.517E-17	2.253E-17	2.253E-17
8.44575E-01	2.190E-15	9.202E-16	3.653E-16	1.609E-16	6.686E-17	2.738E-17	2.738E-17
9.59401E-01	2.690E-15	1.127E-15	4.707E-16	1.961E-16	8.339E-17	3.336E-17	3.336E-17
TOTAL	1.430E-14	6.019E-15	2.524E-15	1.055E-15	4.373E-16	1.736E-16	

4 PI R**2 HENDÉKIN DUSÉ (GAMMAS)
(CM**2 RAD/STERADIEN/SOURCE NEUTRONE)

12.250 TU 15.000 MEV NEUTRON SOURCE

COSINE	1800.0	2100.0	2400.0	2700.0	RANGE (METERS)	3000.0	3300.0	3600.0
-1.0 GOLUCE CC	1.001E-13	2.806E-14	6.937E-15	9.537E-16	-2.995E-16	-4.003F-16	-2.805E-16	
-9.89461E-01	1.471E-13	5.152E-14	1.828E-14	6.636E-15	2.476E-15	9.439E-16	3.705E-16	
-9.44575E-01	2.918E-13	1.244E-13	5.57E-14	4.453E-14	1.124E-14	2.452E-15	4.195E-15	
-8.65031E-01	4.048E-13	1.821E-13	8.368E-14	3.966E-14	1.844E-14	8.771E-15	4.195E-15	
-7.55644E-01	5.211E-13	2.381E-13	1.100E-13	5.133E-14	2.422E-14	1.148E-14	5.459E-15	
-6.17876E-01	4.96E-13	1.930E-13	8.605E-14	6.912E-14	1.821E-14	8.395E-15	3.942E-15	
-4.58017E-01	3.730E-13	1.563E-13	6.660E-14	2.913E-14	1.361E-14	5.911E-15	2.722E-15	
-2.81605E-01	4.164E-13	1.732E-13	7.421E-14	3.263E-14	1.498E-14	6.724E-15	3.12CE-15	
-9.50125E-02	5.676E-13	2.476E-13	1.127E-13	5.185E-14	2.411E-14	1.137E-14	5.407E-15	
9.50125E-02	8.188E-13	3.668E-13	1.697E-13	7.720E-14	3.664E-14	1.739E-14	8.336E-15	
2.81605E-01	1.108E-12	4.971E-13	2.204E-13	1.945E-13	4.922E-14	2.320E-14	1.104E-14	
4.58017E-01	1.285E-12	5.365E-13	2.276E-13	9.698E-14	4.255E-14	1.904E-14	8.617E-15	
6.17876E-01	6.618E-12	6.646E-12	2.674E-13	1.165E-13	4.666E-14	1.955E-14	8.443E-15	
7.55644E-01	3.043E-12	1.311E-12	5.794E-13	2.630E-13	1.196E-13	5.478E-14	2.536E-14	
8.65631E-01	7.656E-12	3.489E-12	1.606E-12	7.406E-13	3.530E-13	1.685E-13	8.097E-14	
9.44575E-01	1.051E-11	1.051E-11	2.377E-12	1.134E-12	5.336E-13	2.015E-13		
9.39401E-01	8.911E-11	4.383E-11	2.133E-11	1.632E-11	4.973E-12	2.392E-12	1.149E-12	
TOTAL	3.873E-11	1.809E-11	8.493E-12	4.003E-12	1.896E-12	9.020E-13	4.307E-13	

COSINE	3800.0	4000.0	4200.0	4400.0	RANGE (METERS)	4600.0	4800.0	
-1.0 GOLUCE LC	-1.981E-16	-1.316E-16	-8.0559E-17	-4.059E-17	-4.059E-17	-6.368E-18	1.659E-17	
-9.89401E-01	0.029E-16	1.148E-16	6.389E-17	1.148E-17	1.148E-17	4.023E-17		
-9.44575E-01	1.489E-16	9.673E-16	5.555E-16	3.426E-16	2.121E-16	1.192E-16		
-8.65631E-01	2.572E-15	1.579E-15	9.709E-16	5.968E-16	3.664E-16	1.960E-16		
-7.55644E-01	2.0504E-15	1.338E-15	7.266E-15	4.638E-16	2.469E-16	1.238E-16		
-6.17876E-01	3.404E-15	1.461E-15	8.830E-16	5.393E-16	3.273E-16	1.830E-16		
-4.58017E-C1	1.635E-15	9.839E-16	5.937E-16	3.591E-16	2.177E-16	1.296E-16		
-2.81605E-01	1.871E-15	1.132E-15	6.868E-16	4.178E-16	2.563E-16	1.537E-16		
-9.50125E-02	3.313E-15	2.031E-15	1.247E-15	7.665E-16	4.617E-16	2.796E-16		
9.50125E-02	5.110E-15	3.142E-15	1.934E-15	1.192E-15	7.320E-16	4.546E-16		
2.81605E-G1	6.736E-15	4.105E-15	2.514E-15	1.542E-15	9.458E-16	5.720E-16		
4.58017E-C1	5.118E-15	3.662E-15	1.831E-15	1.096E-15	6.564E-16	3.903E-16		
6.17876E-01	4.876E-15	2.844E-15	1.663E-15	9.8LUE-16	5.786E-16	3.368E-16		
7.55644E-01	1.522E-14	9.231E-15	5.666E-15	3.415E-15	2.067E-15	1.274E-15		
8.65631E-01	4.981E-14	3.C71E-14	1.896E-14	4.173E-14	7.292E-15	4.498E-15		
9.44575E-01	1.603E-13	9.914E-14	6.117E-14	3.779E-14	2.337E-14	1.447E-14		
9.39401E-01	7.049E-13	4.325E-13	2.655E-13	1.633E-13	1.062E-13	6.160E-14		
TOTAL	2.636E-13	1.616E-13	9.916E-14	6.092E-14	3.744E-14	2.295E-14		

(CM**2 PI R**2 CONCRETE KERNA (GAMMAS) SOURCE NEUTRON)

12.260 TO 15.000 MEV NEUTRON SOURCE

COSINE	180.0	210.0	240.0	RANGE (METERS)	3000.0	3300.0	3600.0
	270.0	270.0	270.0	270.0	270.0	270.0	270.0
-1.00000E+00	2.758E-11	1.069E-11	4.402E-12	1.835E-12	7.832E-13	3.419E-13	1.520E-13
-9.89401E-01	3.224E-11	1.322E-11	5.502E-12	2.440E-12	1.059E-12	4.759E-13	2.176E-13
-9.44575E-01	4.666E-11	2.048E-11	9.178E-12	4.186E-12	1.935E-12	9.038E-13	4.254E-13
-8.65631E-01	5.804E-11	6.292E-11	1.211B-11	5.647E-12	2.659E-12	1.261E-12	6.011E-13
-7.55044E-01	6.986E-11	3.197E-11	1.478E-11	6.895E-12	3.246E-12	1.536E-12	7.390E-13
-6.17876E-01	6.328E-11	2.712E-11	1.250E-11	5.725E-12	2.651E-12	1.239E-12	5.829E-13
-4.58017E-01	5.19E-11	2.43CE-11	1.066E-11	4.773E-12	2.170E-12	9.994E-13	4.648E-13
-2.81605E-01	6.C97E-11	2.618E-11	1.150E-11	5.155E-12	2.356E-12	1.086E-12	5.069E-13
-9.50125E-C2	7.647E-11	3.312E-11	1.542E-11	7.107E-12	3.307E-12	1.557E-12	7.386E-13
9.50125E-02	1.018B-10	4.577E-11	2.114E-11	9.648E-12	4.543E-12	2.160E-12	1.032E-12
2.91605E-01	1.310E-10	5.89E-11	2.686E-11	1.241E-11	5.816E-12	2.749E-12	1.301E-12
4.58017E-01	1.490E-10	6.301E-11	2.706E-11	1.168E-11	5.183E-12	2.337E-12	1.065E-12
6.17876E-01	1.840B-10	7.467E-11	3.069E-11	1.286E-11	5.446E-12	2.340E-12	1.023E-12
7.55044E-01	3.193E-10	1.375E-10	6.074E-11	2.753E-11	1.719E-11	5.719E-12	2.644E-12
8.65631E-01	7.695E-10	3.496E-10	1.605E-10	7.446E-11	3.515E-11	1.676E-11	8.044E-12
9.44575E-01	2.199E-09	1.63E-09	4.952E-10	2.356E-10	1.124E-10	5.365E-11	2.591E-11
9.89401E-01	8.975E-09	4.421E-09	2.155B-09	1.044E-09	5.030E-10	2.427E-10	1.168E-10
TOTAL	4.C97E-09	1.912E-09	8.965E-10	4.222E-10	1.999E-10	9.509E-11	4.546E-11
COSINE	380.0	400.0	420.0	RANGE (METERS)	4400.0	4600.0	4800.0
	420.0	420.0	420.0	420.0	420.0	420.0	420.0
-1.00000E-00	8.950E-14	5.330E-14	3.24CE-14	2.059E-14	1.410E-14	9.251E-14	
-9.89401E-01	1.2966E-13	7.795E-14	4.747E-14	2.963E-14	1.923E-14	1.164E-14	
-9.44575E-01	2.584E-13	1.574E-13	9.620E-14	5.902E-14	1.963E-14	1.963E-14	
-8.65631E-01	3.675E-13	2.710E-13	1.381E-13	8.472E-14	5.129E-14	2.749E-14	
-7.55044E-01	4.435E-13	2.159E-13	1.656E-13	1.046E-13	5.944E-14	3.101E-14	
-6.17876E-01	3.550E-13	2.804E-13	1.313E-13	7.987E-14	4.835E-14	2.672E-14	
-4.58017E-01	2.027E-13	1.695E-13	1.024E-13	6.229E-14	2.768E-14	2.164E-14	
-2.81605E-01	3.C54E-13	1.851E-13	1.124E-13	6.842E-14	4.152E-14	2.426E-14	
-9.50125E-02	4.514E-13	2.761E-13	1.691E-13	4.037E-13	6.257E-14	3.712E-14	
9.50125E-02	6.316E-13	3.875E-13	2.381E-13	1.464E-13	5.477E-14		
2.81605E-01	7.970E-13	4.858E-13	2.974E-13	1.823E-13	1.116E-13		
4.58017E-01	6.352E-13	3.811E-13	2.286E-13	1.373E-13	8.39E-14		
6.17876E-01	5.951E-13	3.487E-13	2.052E-13	1.214E-13	7.189E-14		
7.55044E-01	1.590E-12	9.600E-13	5.822E-13	3.542E-13	2.160E-13		
8.65631E-01	4.946E-12	3.C48E-12	1.881E-12	1.163E-12	7.201E-13		
9.44575E-01	1.595E-11	9.829E-12	6.067E-12	3.750E-12	2.322E-12		
9.89401E-01	7.170E-11	4.404E-11	2.706E-11	1.663E-11	1.023E-11		
TOTAL	2.778E-11	1.703E-11	1.045E-11	6.421E-12	3.945E-12	2.408E-12	

4 CH**2 ERGS/GRAM/GAMMAS
4 PI R**2 AIR KLEMA (GAMMAS)

12.2E0 TO 15.000 MEV NEUTRON SOURCE

COSINE	180.0	210.0	240.0	RANGE (METERS)	300.0	330.0	360.0
				200.C			
-1.00000E+00	1.438E-10	6.467E-11	2.540E-11	1.352E-11	6.271E-12	2.932E-12	1.379E-12
-9.89401E-01	1.433E-10	6.688E-11	3.049E-11	1.405E-11	6.53CE-12	3.05E-12	1.44CE-12
-9.44575E-01	1.623E-10	7.388E-11	3.396E-11	1.575E-11	7.361E-12	3.46E-12	1.633E-12
-8.65631E-01	1.744E-10	7.994E-11	3.691E-11	1.724E-11	8.092E-12	3.82E-12	1.811E-12
-7.55044E-01	1.877E-10	8.628E-11	3.99E-11	1.862E-11	8.739E-12	4.123E-12	1.953E-12
-6.17876E-01	1.852E-10	8.397E-11	3.855E-11	1.788E-11	8.351E-12	3.924E-12	1.853E-12
-4.58017E-01	1.931E-10	8.281E-11	3.779E-11	1.742E-11	8.103E-12	3.795E-12	1.787E-12
-2.81605E-01	1.927E-10	8.686E-11	3.965E-11	1.826E-11	8.491E-12	3.978E-12	1.874E-12
-9.50125E-02	2.128E-10	9.639E-11	4.436E-11	2.056E-11	9.661E-12	4.516E-12	2.136E-12
9.50125E-02	2.429E-10	9.639E-11	4.436E-11	2.056E-11	9.661E-12	4.516E-12	2.136E-12
2.81605E-01	2.776E-10	1.266E-10	5.099E-11	2.4671E-11	1.248E-11	5.875E-12	2.779E-12
4.58017E-01	3.335E-10	1.338E-10	5.97E-11	2.690E-11	1.23CE-11	5.68E-12	2.646E-12
6.17876E-01	3.472E-10	1.500E-10	6.556E-11	2.9C9E-11	1.306E-11	5.93E-12	2.724E-12
7.55044E-01	4.553E-10	2.138E-10	9.597E-11	4.289E-11	2.616E-11	9.325E-12	4.349E-12
8.65631E-01	9.137E-10	4.155E-10	1.946E-10	3.848E-11	4.165E-11	1.978E-11	9.453E-12
9.44575E-01	2.332E-09	1.055E-09	4.990E-10	2.367E-10	1.126E-10	5.385E-11	2.585E-11
9.89401E-01	8.332E-09	4.089E-09	1.988E-09	9.602E-10	4.624E-10	2.223E-10	1.068E-10
TOTAL	5.661E-09	2.622E-09	1.422E-09	5.724E-10	2.697E-10	1.277E-10	6.071E-11
COSINE	380.0	400.0	420.0	RANGE (METERS)	440.0	460.0	480.0
				400.C			
-1.00000E+00	8.366E-13	5.089E-13	3.105E-13	1.902E-13	1.160E-13	6.274E-14	6.274E-14
-9.89401E-01	8.740E-13	5.319E-13	3.246E-13	1.966E-13	1.208E-13	6.566E-14	6.566E-14
-9.44575E-01	9.954E-13	3.705E-13	3.236E-13	2.623E-13	1.368E-13	7.298E-14	7.298E-14
-8.65631E-01	1.104E-12	6.738E-13	4.110E-13	2.617E-13	1.521E-13	8.143E-14	8.143E-14
-7.55044E-01	1.088E-12	7.243E-13	4.421E-13	2.694E-13	1.615E-13	8.658E-14	8.658E-14
-6.17876E-01	1.128E-12	6.868E-13	4.187E-13	2.553E-13	1.545E-13	8.522E-14	8.522E-14
-4.58017E-01	1.085E-12	6.599E-13	4.018E-13	2.450E-13	1.484E-13	8.366E-14	8.366E-14
-2.81605E-01	1.137E-12	6.917E-13	4.215E-13	2.571E-13	1.560E-13	8.911E-14	8.911E-14
-9.50125E-02	1.390E-12	7.929E-13	4.844E-13	2.959E-13	1.793E-13	1.046E-13	1.046E-13
9.50125E-02	1.300E-12	5.155E-13	5.591E-13	3.425E-13	2.088E-13	1.234E-13	1.234E-13
2.81605E-01	1.691E-12	1.029E-12	6.285E-13	3.839E-13	2.341E-13	1.388E-13	1.388E-13
4.58017E-01	1.596E-12	9.656E-13	5.856E-13	3.548E-13	2.148E-13	1.266E-13	1.266E-13
6.17876E-01	1.630E-12	9.796E-13	5.905E-13	3.567E-13	2.153E-13	1.266E-13	1.266E-13
7.55044E-01	2.626E-12	1.591E-12	9.675E-13	5.992E-13	3.591E-13	2.157E-13	2.157E-13
8.65631E-01	5.795E-12	3.501E-12	2.196E-12	1.355E-12	8.326E-13	5.108E-13	5.108E-13
9.44575E-01	1.588E-11	9.773E-12	6.622E-12	3.716E-12	2.295E-12	1.416E-12	1.416E-12
9.89401E-01	6.550E-11	4.019E-11	2.461E-11	1.515E-11	9.308E-12	5.722E-12	3.114E-12
TOTAL	3.706E-11	2.265E-11	1.387E-11	8.498E-12	5.200E-12		

PI R**2 SILICON FERMA (GAMMAS)
LCM**2 ERGS/GRAM/STERADIAN/SOURCE NEUTRON

12.200 TO 15.000 MEV NEUTRON SOURCE

COSINE	1800.0	2100.0	2400.0	RANGE (METERS)	3000.0	3300.0	3600.0
-1.00000E 00	3.510E-11	1.422E-11	5.322E-12	2.525E-12	1.1C1E-12	4.891E-13	2.208E-13
-9.89401E-01	3.390E-11	1.665E-11	7.109E-12	3.107E-12	1.385E-12	6.274E-13	2.879E-13
-9.44575E-01	5.412E-11	2.494E-11	1.084E-11	4.948E-12	2.289E-12	1.069E-12	5.030E-13
-8.65631E-01	6.645E-11	3.011E-11	1.285E-11	6.454E-12	3.034E-12	1.437E-12	6.841E-13
-7.55044E-01	7.854E-11	3.592E-11	1.659E-11	7.732E-12	3.630E-12	1.720E-12	8.163E-13
-6.17876E-01	7.168E-11	3.15CE-11	1.422E-11	6.518E-12	3.019E-12	1.411E-12	6.636E-13
-4.58017E-01	6.423E-11	2.791E-11	1.230E-11	5.520E-12	2.516E-12	1.160E-12	5.399E-13
-2.81655E-01	6.891E-11	2.973E-11	1.310E-11	5.888E-12	2.688E-12	1.244E-12	5.806E-13
-9.50125E-02	8.461E-11	3.737E-11	1.709E-11	7.874E-12	3.666E-12	1.723E-12	8.171E-13
9.50125E-02	1.103E-10	4.960E-11	2.296E-11	1.045E-11	4.919E-12	2.037E-12	1.116E-12
2.81655E-01	1.398E-10	6.286E-11	2.867E-11	1.324E-11	6.205E-12	2.932E-12	1.393E-12
4.58017E-01	1.573E-10	6.668E-11	2.867E-11	1.240E-11	5.505E-12	2.485E-12	1.134E-12
6.17876E-01	1.916E-10	7.803E-11	3.220E-11	1.342E-11	5.678E-12	2.444E-12	1.069E-12
7.55044E-01	3.279E-10	1.411E-10	6.225E-11	2.818E-11	1.275E-11	5.845E-12	2.700E-12
8.65631E-01	7.864E-10	3.571E-10	1.638E-10	7.596E-11	3.588E-11	1.709E-11	8.202E-12
9.44575E-01	9.251E-09	1.068E-09	2.413E-10	1.154E-10	5.516E-11	2.655E-11	1.208E-10
9.89401E-01	9.251E-09	4.560E-C9	2.224E-09	1.078E-09	5.208E-10	2.509E-10	1.208E-10
TOTAL	4.270E-09	1.991E-09	9.338E-10	4.397E-10	2.082E-10	9.902E-11	4.727E-11
COSINE	3800.0	4000.0	4200.0	RANGE (METERS)	4400.0	4600.0	4800.0
-1.00000E 00	1.310E-13	7.844E-14	4.766E-14	2.989E-14	1.970E-14	1.252E-14	1.094E-14
-9.89401E-01	1.039E-13	6.342E-13	4.322E-14	3.923E-14	1.498E-14	1.498E-14	1.498E-14
-9.44575E-C1	3.054E-13	1.859E-13	1.136E-13	6.960E-14	4.244E-14	2.324E-14	2.324E-14
-8.65631E-01	4.181E-13	2.559E-13	1.669E-13	9.612E-14	5.816E-14	3.133E-14	3.133E-14
-7.55044E-01	4.039E-13	3.028E-12	2.458E-13	1.494E-13	1.124E-13	6.653E-14	3.492E-14
-6.17876E-01	3.258E-13	1.970E-13	1.194E-13	9.686E-14	5.498E-14	3.039E-14	3.039E-14
-4.58017E-01	3.500E-13	2.120E-13	1.289E-13	7.839E-14	4.378E-14	2.502E-14	2.502E-14
-2.81655E-01	4.990E-13	3.65CE-13	1.868E-13	1.145E-13	6.906E-14	2.757E-14	2.757E-14
-9.50125E-02	6.825E-13	4.186E-13	2.571E-13	1.580E-13	9.678E-14	4.069E-14	4.069E-14
9.50125E-C2	2.8105E-01	8.495E-13	5.178E-13	3.169E-13	1.942E-13	1.188E-13	7.094E-14
4.58017E-01	6.764E-13	4.058E-13	2.435E-13	1.463E-13	8.774E-14	5.142E-14	5.142E-14
6.17876E-01	6.214E-13	3.640E-13	2.042E-13	1.267E-13	7.488E-14	4.290E-14	4.290E-14
7.55044E-01	1.622E-12	9.793E-13	5.937E-13	3.610E-13	2.208E-13	1.032E-13	1.032E-13
8.65631E-C1	5.044E-12	3.108E-12	1.919E-12	1.186E-12	7.344E-13	4.540E-13	4.540E-13
9.44575E-01	1.634E-11	1.007E-11	6.219E-12	3.844E-12	2.379E-12	1.473E-12	1.473E-12
9.89401E-01	7.419E-11	4.558E-11	2.801E-11	1.723E-11	1.056E-11	6.524E-12	6.524E-12
TOTAL	2.893E-11	1.773E-11	1.088E-11	6.688E-12	4.108E-12	2.504E-12	2.504E-12

4 PI R**2 FLUENCE AT 2400.0 METERS

FISSION SOURCE

(NEUTRONS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
	MU=-0.0000	MU=-0.9894	MU=-0.8656	MU=-0.7550	MU=-0.6179	MU=-0.4580	MU=-0.2816	MU=-0.0250	MU=-0.178E-1
1.22E-01---1.50E-01	-3.39E-13	-2.722E-13	-5.319E-14	1.358E-13	2.269E-13	8.656E-14	1.680E-14	1.903E-13	7.178E-13
1.00E-01---1.22E-01	-5.159E-12	-2.842E-12	5.239E-12	6.327E-12	5.64E-12	4.990E-12	1.144E-11	2.546E-11	2.546E-11
8.19E-01---1.00E-01	-5.016E-11	-2.804E-11	3.941E-11	1.218E-10	1.483E-10	1.545E-10	1.912E-10	3.551E-10	6.728E-10
6.36E-00---8.19E-00	2.119E-09	2.186E-09	2.448E-09	2.887E-09	3.518E-09	4.535E-09	6.208E-09	8.797E-09	1.245E-08
4.97E-00---6.36E-00	2.906E-08	2.912E-08	2.953E-08	3.090E-08	3.396E-08	3.920E-08	4.676E-08	6.868E-08	6.868E-08
4.07E-00---4.97E-00	8.697E-08	8.745E-08	8.944E-08	9.304E-08	9.811E-08	1.048E-08	1.132E-07	1.243E-07	1.396E-07
3.01E-00---4.07E-00	1.125E-07	1.124E-07	1.122E-07	1.122E-07	1.129E-07	1.151E-07	1.197E-07	1.279E-07	1.412E-07
2.46E-00---3.01E-00	1.839E-07	1.846E-07	1.875E-07	1.934E-07	2.035E-07	2.205E-07	2.483E-07	2.930E-07	3.630E-07
2.35E-00---2.46E-00	3.229E-07	3.275E-07	3.462E-07	3.793E-07	4.260E-07	4.912E-07	5.831E-07	7.146E-07	9.023E-07
1.83E-00---2.35E-00	8.653E-07	8.708E-07	8.947E-07	9.391E-07	1.007E-06	1.102E-06	1.231E-06	1.464E-06	1.646E-06
1.11E-00---1.83E-00	1.929E-06	1.935E-06	1.962E-06	2.016E-06	2.100E-06	2.223E-06	2.391E-06	2.614E-06	2.901E-06
5.50E-01---1.11E-00	6.815E-06	6.842E-06	6.955E-06	7.162E-06	7.490E-06	7.939E-06	8.535E-06	9.312E-06	1.030E-05
1.11E-01---5.50E-01	2.669E-05	2.677E-05	2.709E-05	2.768E-05	2.855E-05	2.971E-05	3.118E-05	3.298E-05	3.513E-05
3.35E-02---1.11E-01	3.335E-04	3.341E-04	3.367E-04	3.414E-04	3.482E-04	3.571E-04	3.679E-04	3.807E-04	3.953E-04
5.83E-04---3.35E-02	3.474E-04	3.479E-04	3.500E-04	3.595E-04	3.677E-04	3.677E-04	3.759E-04	3.857E-04	3.970E-04
1.01E-04---5.83E-04	2.406E-02	2.406E-02	2.423E-02	2.449E-02	2.486E-02	2.533E-02	2.590E-02	2.657E-02	2.731E-02
2.90E-05---1.01E-04	1.138E-01	1.139E-01	1.146E-01	1.158E-01	1.174E-01	1.196E-01	1.222E-01	1.252E-01	1.285E-01
1.07E-05---2.90E-05	3.558E-01	3.578E-01	3.614E-01	3.666E-01	3.732E-01	3.812E-01	3.906E-01	4.009E-01	4.160E-01
3.06E-06---1.07E-05	1.030E-00	1.032E-00	1.037E-00	1.048E-00	1.062E-00	1.081E-00	1.104E-00	1.131E-00	1.160E-00
1.12E-06---3.06E-06	2.929E-00	2.933E-00	2.949E-00	2.978E-00	3.019E-00	3.072E-00	3.135E-00	3.209E-00	3.291E-00
4.55E-07---1.12E-06	6.773E-00	6.782E-00	6.818E-00	6.884E-00	6.977E-00	7.097E-00	7.241E-00	7.409E-00	7.594E-00
0.0 ---4.14E-07	1.046E-01	1.047E-01	1.053E-01	1.062E-01	1.076E-01	1.093E-01	1.113E-01	1.136E-01	1.162E-01
ENERGY GROUP (MEV)	ANGLE 10	ANGLE 11	ANGLE 12	ANGLE 13	ANGLE 14	ANGLE 15	ANGLE 16	ANGLE 17	SCALAR FLUX
	MU= 0.0950	MU= 0.2816	MU= 0.4500	MU= 0.6179	MU= 0.7550	MU= 0.8656	MU= 0.9446	MU= 0.9894	
1.22E-01---1.50E-01	4.491E-12	2.410E-12	4.041E-12	8.590E-12	5.147E-11	1.114E-11	1.735E-10	1.582E-10	1.582E-10
1.00E-01---1.22E-01	4.618E-11	7.204E-11	1.158E-10	2.244E-10	5.050E-10	1.165E-09	2.592E-09	6.065E-09	3.673E-09
8.19E-00---1.00E-01	1.117E-09	1.697E-09	2.715E-09	5.157E-09	1.120E-08	2.508E-08	5.503E-08	1.331E-07	8.077E-08
6.36E-00---8.19E-00	1.751E-08	1.933E-08	1.944E-08	6.981E-08	2.981E-07	4.708E-07	7.951E-07	1.234E-06	7.951E-07
4.97E-00---6.36E-00	8.437E-08	1.093E-07	1.505E-07	3.470E-07	3.470E-07	5.569E-07	8.997E-07	1.500E-06	2.103E-06
4.C7E-00---4.97E-00	1.617E-07	1.953E-07	2.470E-07	4.459E-07	6.184E-07	8.526E-07	1.144E-06	2.944E-06	
3.01E-00---4.07E-00	1.615E-07	1.913E-07	2.917E-07	3.679E-07	4.623E-07	6.679E-07	8.683E-07	6.663E-07	6.663E-07
2.46E-00---3.01E-00	4.720E-07	6.417E-07	9.096E-07	1.340E-06	2.044E-06	3.220E-06	5.255E-06	9.482E-06	1.234E-05
2.35E-00---2.46E-00	1.177E-06	1.603E-06	2.330E-06	3.663E-06	6.226E-06	1.136E-05	2.238E-05	5.410E-05	4.254E-05
1.83E-00---2.35E-00	1.975E-06	2.423E-06	3.029E-06	3.832E-06	4.874E-06	6.195E-06	7.789E-06	9.536E-06	3.191E-05
1.11E-00---1.83E-00	3.265E-06	3.720E-06	4.958E-06	5.740E-06	6.574E-06	7.387E-06	7.946E-06	4.508E-05	
5.50E-01---1.11E-00	1.158E-05	1.311E-05	1.501E-05	1.778E-05	1.987E-05	2.266E-05	2.530E-05	2.719E-05	1.582E-04
1.11E-01---5.50E-01	3.764E-05	4.049E-05	4.362E-05	4.694E-05	5.025E-05	5.332E-05	5.579E-05	5.731E-05	4.794E-04
3.35E-02---1.11E-01	4.114E-04	4.286E-04	4.662E-04	4.636E-04	4.797E-04	5.044E-04	5.103E-04	5.146E-03	5.112E-03
5.83E-04---3.35E-02	4.094E-04	4.223E-04	4.354E-04	4.479E-04	4.593E-04	4.690E-04	4.761E-04	4.803E-04	4.803E-04
1.01E-04---5.83E-04	2.811E-02	2.895E-02	2.979E-02	3.059E-02	3.132E-02	3.193E-02	3.238E-02	3.265E-02	3.510E-01
2.9CE-05---1.C1E-04	1.321E-01	1.359E-01	1.396E-01	1.465E-01	1.492E-01	1.512E-01	1.524E-01	1.550E-01	1.650E-00
1.C7E-05---2.90E-05	4.120E-01	4.236E-01	4.352E-01	4.463E-01	4.563E-01	4.647E-01	4.709E-01	4.745E-01	5.144E-00
3.06E-06---1.C7E-05	1.192E-00	1.225E-00	1.257E-00	1.289E-00	1.311E-00	1.341E-00	1.358E-00	1.369E-00	1.486E-01
1.12E-06---3.06E-06	3.379E-00	3.470E-00	3.561E-00	3.664E-00	3.722E-00	3.792E-00	3.841E-00	3.869E-00	4.218E-01
4.14E-07---1.12E-05	7.794E-00	8.000E-00	8.207E-00	8.581E-00	8.729E-00	8.902E-00	9.730E-01	9.730E-01	
0.0 ---4.14E-07	1.190E-01	1.219E-01	1.248E-01	1.275E-01	1.300E-01	1.335E-01	1.343E-01	1.343E-01	1.486E-02

4 PI R**2 FLUENCE AT 3600.0 METERS

FISSION SOURCE

(NEUTRONS/NEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=0.0000	ANGLE 2 MU=-0.9894	ANGLE 3 MU=-0.9446	ANGLE 4 MU=-0.8656	ANGLE 5 MU=-0.7550	ANGLE 6 MU=-0.6179	ANGLE 7 MU=-0.4580	ANGLE 8 MU=-0.2816	ANGLE 9 MU=-0.0950
1.22E 01---1.50E 01	-2.965E-16	-2.301E-16	-3.737E-17	1.-409E-16	2.162E-16	1.050E-16	8.815E-16	3.068E-16	9.134E-16
1.00E 01---1.22E 01	-7.962E-15	-5.881E-15	6.170E-16	8.124E-15	9.982E-15	9.955E-15	2.254E-14	4.908E-14	
8.19E 00---1.00E 01	-1.952E-13	-1.226E-13	1.065E-13	3.777E-13	4.788E-13	7.280E-13	2.656E-12		
6.36E 00---8.19E 00	1.030E-11	1.066E-11	1.214E-11	1.467E-11	1.841E-11	2.433E-11	3.380E-11	4.831E-11	6.916E-11
4.97E 00---6.36E 00	1.618E-10	1.623E-10	1.652E-10	1.733E-10	1.899E-10	2.173E-10	2.559E-10	3.052E-10	3.670E-10
4.07E 00---4.97E 00	4.258E-10	4.279E-10	4.367E-10	4.527E-10	4.757E-10	5.066E-10	5.467E-10	6.001E-10	6.736E-10
3.01E 00---4.07E 00	5.048E-10	5.046E-10	5.05E-10	5.057E-10	5.107E-10	5.224E-10	5.449E-10	5.626E-10	6.426E-10
2.44E 00---3.01E 00	7.886E-10	7.915E-10	8.041E-10	8.297E-10	8.731E-10	9.439E-10	1.016E-09	1.232E-09	1.502E-09
2.35E 00---2.44E 00	1.338E-09	1.355E-09	1.425E-09	1.544E-09	1.710E-09	1.943E-09	2.277E-09	2.763E-09	3.460E-09
1.83E 00---2.35E 00	3.236E-09	3.259E-09	3.357E-09	3.539E-09	3.809E-09	4.182E-09	4.633E-09	5.358E-09	6.270E-09
1.11E 00---1.83E 00	7.108E-09	7.120E-09	7.228E-09	7.420E-09	7.724E-09	8.165E-09	8.759E-09	9.565E-09	1.058E-08
5.50E-01---1.11E 00	2.386E-08	2.393E-08	2.435E-08	2.509E-08	2.620E-08	2.774E-08	2.79E-08	3.244E-08	3.580E-08
1.11E-01---5.50E-01	9.004E-08	9.029E-08	9.135E-08	9.330E-08	9.616E-08	9.997E-08	1.048E-07	1.177E-07	
3.35E-02---1.11E-01	1.104E-06	1.146E-06	1.153E-06	1.166E-06	1.183E-06	1.206E-06	1.214E-06	1.255E-06	1.302E-06
5.83E-04---3.35E-02	1.415E-06	1.446E-06	1.477E-05	1.504E-05	1.544E-05	1.622E-05	1.734E-05	1.874E-05	1.939E-05
1.01E-04---5.83E-04	7.907E-05	7.917E-05	7.963E-05	8.045E-05	8.162E-05	8.312E-05	8.594E-05	8.949E-05	9.394E-05
2.90E-05---1.01E-04	3.738E-04	3.759E-04	3.795E-04	3.824E-04	3.864E-04	3.918E-04	4.005E-04	4.095E-04	4.201E-04
1.07E-05---2.90E-05	1.164E-03	1.166E-03	1.172E-03	1.184E-03	1.200E-03	1.221E-03	1.247E-03	1.276E-03	1.309E-03
3.06E-06---1.07E-05	3.372E-03	3.376E-03	3.395E-03	3.427E-03	3.474E-03	3.534E-03	3.607E-03	3.690E-03	3.783E-03
1.12E-06---3.06E-06	9.578E-03	9.550E-03	9.641E-03	9.732E-03	9.862E-03	1.003E-02	1.046E-02	1.072E-02	1.107E-02
4.14E-07---1.12E-06	2.213E-02	2.227E-02	2.417E-02	2.446E-02	2.477E-02	2.515E-02	2.561E-02	2.614E-02	2.672E-02
0.0	-4.14E-07	3.413E-02	3.417E-02	3.435E-02	3.465E-02	3.508E-02	3.561E-02	3.625E-02	3.779E-02
ENERGY GROUP (MEV)	ANGLE 10 MU=0.0930	ANGLE 11 MU=0.2816	ANGLE 12 MU=0.4580	ANGLE 13 MU=0.6179	ANGLE 14 MU=0.7550	ANGLE 15 MU=0.8656	ANGLE 16 MU=0.9446	ANGLE 17 MU=0.9894	FLUX
1.22E 01---1.50E 01	1.783E-15	2.977E-15	5.337E-15	1.159E-14	2.752E-14	6.347E-14	1.388E-13	2.615E-13	1.808E-13
1.00E 01---1.22E 01	8.827E-14	8.423E-13	4.882E-13	4.082E-13	4.040E-12	5.045E-12	7.016E-12	9.716E-12	
8.19E 00---1.00E 01	4.458E-12	7.048E-12	1.197E-11	2.356E-11	5.079E-11	1.098E-10	2.267E-10	4.524E-10	3.262E-10
6.36E 00---8.19E 00	9.954E-11	1.491E-10	2.421E-10	4.275E-10	7.906E-10	1.465E-09	2.624E-09	4.465E-09	4.458E-09
4.97E 00---6.36E 00	4.503E-10	5.764E-10	7.844E-10	1.714E-09	3.714E-09	6.225E-09	9.325E-09	1.615E-09	1.013E-08
4.07E 00---4.97E 00	7.793E-10	9.323E-10	1.167E-09	1.507E-09	1.987E-09	2.624E-09	3.380E-09	4.085E-09	1.324E-08
3.01E 00---4.07E 00	7.311E-10	8.570E-10	1.029E-09	1.255E-09	1.535E-09	1.557E-09	2.177E-09	2.417E-09	1.119E-08
2.46E 00---3.01E 00	1.914E-09	2.554E-09	3.519E-09	5.042E-09	7.345E-09	1.212E-08	1.71E-08	2.614E-08	4.419E-08
2.35E 00---2.46E 00	4.480E-09	6.003E-09	8.178E-09	1.418E-08	2.465E-08	4.604E-08	9.173E-08	2.065E-07	1.676E-07
1.83E 00---2.35E 00	7.513E-09	9.933E-09	1.142E-08	1.430E-08	1.788E-08	2.212E-08	2.669E-08	3.062E-08	1.175E-07
1.11E 00---1.83E 00	1.345E-08	1.345E-08	1.538E-08	1.765E-08	2.020E-08	2.285E-08	2.523E-08	2.685E-08	1.615E-07
5.50E-01---1.01E-04	4.314E-04	4.000E-03	4.516E-03	5.139E-03	5.867E-03	6.677E-03	7.517E-03	8.275E-03	8.783E-03
1.01E-01---5.50E-01	1.258E-07	1.339E-07	1.448E-07	1.552E-07	1.654E-07	1.747E-07	1.822E-07	1.866E-07	1.596E-06
3.35E-02---1.11E-01	1.353E-06	1.401E-06	1.462E-06	1.516E-06	1.566E-06	1.609E-06	1.641E-06	1.660E-06	1.691E-05
5.83E-04---3.35E-02	1.342E-06	1.342E-06	1.423E-06	1.462E-06	1.498E-06	1.528E-06	1.550E-06	1.563E-06	1.675E-05
1.01E-04---5.83E-04	9.192E-05	9.454E-05	9.716E-05	9.966E-05	1.019E-04	1.038E-04	1.052E-04	1.060E-04	1.147E-03
2.90E-05---1.01E-04	4.432E-04	4.549E-04	4.661E-04	4.762E-04	4.846E-04	4.906E-04	4.944E-04	5.385E-03	
1.01E-05---2.90E-05	1.344E-03	1.416E-03	1.451E-03	1.482E-03	1.508E-03	1.525E-03	1.552E-03	1.577E-03	1.677E-02
3.06E-06---1.01E-05	3.882E-03	3.955E-03	4.088E-03	4.185E-03	4.273E-03	4.347E-03	4.401E-03	4.432E-03	4.846E-02
1.12E-06---3.06E-06	1.100E-02	1.128E-02	1.157E-02	1.184E-02	1.208E-02	1.228E-02	1.243E-02	1.252E-02	1.373E-01
4.14E-07---1.12E-06	2.535E-02	2.599E-02	2.664E-02	2.725E-02	2.780E-02	2.826E-02	2.859E-02	2.879E-02	3.164E-01
0.0	-4.14E-07	3.957E-C2	3.866E-02	4.048E-02	4.134E-02	4.210E-02	4.272E-02	4.311E-02	4.343E-02

4 PI R**2 FLUENCE AT 4800.0 METERS

FISSION SOURCE

(NEUTRONS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
1.022E-01---1.50E-01	MU=-0.9894	MU=-0.9446	MU=-0.8656	MU=-0.7550	MU=-0.6179	MU=-0.4580	MU=-0.2816	MU=-0.0950	MU=-0.982E-19
-2.413E-19	-1.916E-19	-2.618E-20	1.299E-19	1.862E-19	1.074E-19	1.0249E-19	3.701E-19	3.701E-19	3.949E-17
1.00E-01---1.22E-01	-1.139E-17	-8.547E-18	6.618E-19	1.106E-17	1.406E-17	1.384E-17	1.686E-17	8.491E-17	8.491E-17
8.19E-00---1.00E-01	-6.326E-16	-4.289E-16	2.444E-16	1.029E-15	1.381E-15	1.660E-15	2.516E-15	5.098E-15	9.691E-15
6.36E-00---8.19E-00	3.635E-17	3.800E-14	4.474E-14	5.668E-14	7.524E-14	1.055E-13	1.550E-13	2.315E-13	3.412E-13
4.97E-00---6.36E-00	6.715E-13	6.750E-13	6.934E-13	7.400E-13	8.308E-13	9.782E-13	1.186E-12	1.450E-12	1.764E-12
4.07E-00---5.97E-00	1.554E-12	1.663E-12	1.711E-12	1.926E-12	1.926E-12	2.341E-12	2.641E-12	3.016E-12	3.016E-12
3.01E-00---4.07E-00	1.917E-12	1.920E-12	1.934E-12	1.966E-12	2.025E-12	2.123E-12	2.275E-12	2.492E-12	2.789E-12
2.46E-00---3.01E-00	2.791E-12	2.806E-12	2.872E-12	3.003E-12	3.224E-12	3.575E-12	4.116E-12	4.918E-12	6.060E-12
2.35E-00---2.46E-00	4.467E-12	4.528E-12	4.778E-12	5.220E-12	5.866E-12	6.814E-12	8.216E-12	1.309E-11	1.309E-11
1.83E-00---2.35E-00	1.066E-11	1.025E-11	1.066E-11	1.143E-11	1.259E-11	1.421E-11	1.636E-11	1.917E-11	2.274E-11
1.11E-00---1.83E-00	2.220E-11	2.230E-11	2.275E-11	2.363E-11	2.500E-11	2.694E-11	2.951E-11	3.273E-11	3.662E-11
5.50E-01---1.11E-00	7.009E-11	7.047E-11	7.211E-11	7.519E-11	7.982E-11	8.621E-11	9.448E-11	1.048E-10	1.172E-10
1.11E-01---5.50E-01	2.621E-10	2.631E-10	2.674E-10	2.751E-10	2.855E-10	3.013E-10	3.196E-10	3.412E-10	3.662E-10
3.35E-02---1.11E-01	3.196E-09	3.203E-09	3.235E-09	3.293E-09	3.375E-09	3.480E-09	3.607E-09	3.714E-09	3.915E-09
5.83E-04---3.35E-02	3.320E-09	3.322E-09	3.352E-09	3.398E-09	3.464E-09	3.548E-09	3.648E-09	3.763E-09	3.886E-09
1.01E-04---8.3E-04	2.80E-07	2.84E-07	2.90E-07	2.931E-07	2.974E-07	2.994E-07	2.994E-07	2.648E-07	2.648E-07
2.90E-05---1.01E-04	1.073E-06	1.074E-06	1.082E-06	1.096E-06	1.115E-06	1.140E-06	1.170E-06	1.203E-06	1.239E-06
1.07E-05---2.90E-05	3.333E-06	3.339E-06	3.363E-06	3.405E-06	3.465E-06	3.545E-06	3.633E-06	3.737E-06	3.847E-06
3.06E-06---1.07E-05	9.634E-06	9.634E-06	9.822E-06	9.922E-06	9.973E-06	1.047E-05	1.077E-05	1.107E-05	1.130E-05
1.12E-06---3.06E-06	2.725E-05	2.730E-05	2.749E-05	2.782E-05	2.830E-05	2.890E-05	2.962E-05	3.044E-05	3.130E-05
4.14E-07---1.12E-06	6.283E-05	6.293E-05	6.335E-05	6.411E-05	6.519E-05	6.656E-05	6.819E-05	7.005E-05	7.199E-05
0.0 ---6.14E-07	9.692E-05	9.707E-05	9.880E-05	9.770E-05	9.880E-05	1.023E-04	1.045E-04	1.071E-04	1.098E-04
ENERGY GROUP (MEV)	ANGLE 10	ANGLE 11	ANGLE 12	ANGLE 13	ANGLE 14	ANGLE 15	ANGLE 16	ANGLE 17	SCALAR FLUX
1.222E-01---1.50E-01	MU= 0.0950	MU= 0.2816	MU= 0.4580	MU= 0.6179	MU= 0.7550	MU= 0.8656	MU= 0.9446	MU= 0.9894	
1.00E-01---1.22E-01	1.530E-18	6.025E-18	1.315E-17	6.832E-17	1.391E-16	2.466E-16	1.880E-16		
8.19E-00---1.00E-01	1.643E-14	2.623E-16	4.458E-16	9.092E-16	2.000E-15	4.326E-15	8.678E-15	1.544E-14	1.217E-14
6.36E-00---8.19E-00	5.022E-13	7.697E-13	4.669E-14	9.319E-14	1.590E-13	4.205E-13	8.351E-13	1.505E-12	1.202E-12
4.97E-00---6.36E-00	2.168E-12	3.735E-12	5.267E-12	6.737E-12	5.226E-12	5.263E-12	7.863E-12	2.055E-11	2.241E-11
4.07E-00---4.97E-00	3.519E-12	4.234E-12	5.267E-12	6.737E-12	8.393E-12	1.129E-11	1.411E-11	1.644E-11	1.751E-11
3.01E-00---4.07E-00	3.198E-12	3.757E-12	4.501E-12	5.454E-12	6.603E-12	7.880E-12	9.099E-12	9.960E-12	9.760E-11
2.46E-00---3.01E-00	7.696E-12	1.011E-11	1.374E-11	1.925E-11	2.757E-11	4.001E-11	5.770E-11	7.965E-11	1.616E-10
2.35E-00---2.46E-00	1.704E-11	2.333E-11	3.368E-11	5.362E-11	9.292E-11	1.724E-10	3.384E-10	7.169E-10	6.164E-10
1.83E-00---2.35E-00	2.740E-11	3.357E-11	4.162E-11	5.179E-11	6.409E-11	7.810E-11	9.227E-11	1.032E-10	4.171E-10
1.11E-00---1.83E-00	4.134E-11	4.702E-11	6.162E-11	7.021E-11	7.021E-11	7.894E-11	8.662L-11	9.167E-11	5.542E-10
5.50E-01---1.11E-00	1.321E-10	1.500E-10	1.711E-10	1.953E-10	2.216E-10	2.483E-10	2.717E-10	2.870E-10	1.761E-09
1.11E-01---5.50E-01	3.944E-10	4.258E-10	4.587E-10	4.929E-10	5.262E-10	5.561E-10	5.795E-10	5.937E-10	4.970E-09
3.35E-02---1.11E-01	4.093E-09	4.464E-09	4.644E-09	4.859E-09	4.948E-09	5.053E-09	5.113E-09	5.096E-08	5.008E-08
5.83E-04---3.35E-02	4.024E-09	4.162E-09	4.301E-09	4.432E-09	4.649E-09	4.721E-09	4.763E-09	4.763E-09	4.763E-09
1.01E-04---5.83E-04	2.738E-07	2.827E-07	2.916E-07	3.000E-07	3.015E-07	3.138E-07	3.184E-07	3.211E-07	3.407E-06
2.90E-05---1.01E-04	1.279E-06	1.320E-06	1.397E-06	1.430E-06	1.458E-06	1.479E-06	1.490E-06	1.592E-05	1.592E-05
1.07E-05---2.90E-05	3.972E-06	4.096E-06	4.219E-06	4.335E-06	4.458E-06	4.524E-06	4.623E-06	4.944E-05	4.944E-05
3.06E-06---1.07E-05	1.143E-05	1.178E-05	1.213E-05	1.246E-05	1.275E-05	1.299E-05	1.317E-05	1.423E-05	1.423E-05
1.12E-06---3.06E-06	3.229E-05	3.423E-05	3.513E-05	3.661E-05	3.710E-05	3.759E-05	3.799E-05	4.026E-04	4.026E-04
4.14E-07---1.12E-06	7.423E-05	7.645E-05	8.067E-05	8.400E-05	8.511E-05	8.579E-05	8.742E-05	9.242E-04	9.242E-04
0.0 ---4.14E-07	1.129E-04	1.14CE-04	1.191E-04	1.220E-04	1.245E-04	1.266E-04	1.286E-04	1.309E-04	1.407E-03

4 PI R**2 FLUENCE AT 2400.0 METERS

FISSION SOURCE

(GAMMAS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
8.00E 00---1.00E 01	MU=-0.0000	MU=-0.9894	MU=-0.9446	MU=-0.8656	MU=-0.6179	MU=-0.4500	MU=-0.2816	MU=-0.0950	MU=-0.470E-10
6.50E 00---8.00E 00	-2.365E-08	-1.808E-08	-2.968E-10	1.378E-08	2.565E-06	1.510E-08	1.481E-09	5.470E-08	1.185E-08
5.00E 00---6.50E 00	-9.864E-08	-7.824E-08	-1.312E-08	3.793E-08	7.946E-08	3.469E-08	-1.128E-08	-2.005E-08	1.720E-08
4.00E 00---5.00E 00	-4.38E-07	4.183E-07	3.722E-07	3.722E-07	5.230E-07	6.432E-08	6.432E-08	3.060E-07	3.060E-07
3.00E 00---4.00E 00	-1.140E-06	-9.259E-07	-2.402E-07	2.990E-07	6.913E-07	1.711E-07	-3.223E-07	-3.982E-07	1.461E-07
2.50E 00---3.00E 00	-5.779E-07	-7.936E-07	-1.548E-07	3.447E-07	6.739E-07	1.682E-07	-2.527E-07	-2.288E-07	1.828E-07
2.00E 00---2.50E 00	-2.93E-07	-3.983E-07	-6.564E-08	1.779E-07	2.914E-07	-6.009E-10	-1.716E-07	-6.302E-08	2.102E-07
1.66E 00---2.00E 00	-4.193E-07	3.701E-07	1.692E-07	-3.912E-07	-1.460E-07	-1.460E-07	-6.881E-08	3.125E-07	3.900E-07
1.33E 00---1.66E 00	2.034E-06	1.702E-06	4.758E-07	-5.646E-07	-5.529E-07	-1.133E-07	4.195E-07	8.940E-07	2.289E-07
1.00E 00---1.33E 00	-1.51E-06	1.023E-06	2.153E-07	-3.855E-07	-7.491E-07	-3.058E-08	6.914E-07	1.137E-06	-1.145E-08
8.00E-01---1.00E 00	-1.189E-06	-9.974E-07	-3.319E-07	3.332E-07	8.653E-07	5.225E-07	-1.469E-07	7.477E-07	7.025E-08
6.00E-01---8.00E-01	-2.668E-06	-2.136E-06	-4.188E-07	1.010E-06	1.690E-06	4.746E-07	-1.478E-07	-7.102E-08	1.762E-06
4.00E-01---6.00E-01	1.088E-05	1.071E-05	1.008E-05	1.008E-05	1.165E-05	1.613E-05	2.458E-07	2.458E-07	2.599E-06
3.00E-01---4.00E-01	1.263E-05	1.348E-05	1.735E-05	2.523E-05	3.714E-05	5.167E-05	2.439E-05	4.971E-05	3.612E-05
2.00E-01---3.00E-01	1.001E-04	1.400E-04	1.398E-04	1.381E-04	1.347E-04	1.296E-04	1.240E-04	1.199E-04	8.020E-05
1.00E-01---2.00E-01	3.219E-04	3.219E-04	3.250E-04	3.307E-04	3.388E-04	3.487E-04	3.611E-04	3.758E-04	1.187E-04
5.00E-02---1.00E-01	9.948E-04	9.948E-04	1.002E-03	1.014E-03	1.056E-03	1.086E-03	1.121E-03	1.161E-03	1.232E-04
2.00E-02---5.00E-02	3.023E-04	3.023E-04	3.035E-04	3.051E-04	3.074E-04	3.105E-04	3.142E-04	3.185E-04	3.185E-04
ENERGY GROUP (MEV)	ANGLE 10	ANGLE 11	ANGLE 12	ANGLE 13	ANGLE 14	ANGLE 15	ANGLE 16	ANGLE 17	SCALAR FLUX
8.00E 00---1.00E 01	MU= 0.0950	MU= 0.2816	MU= 0.4580	MU= 0.6175	MU= 0.7550	MU= 0.8656	MU= 0.9446	MU= 0.9894	MU= 0.9446
6.50E 00---8.00E 00	3.822E-08	6.264E-08	7.222E-08	1.013E-07	3.416E-07	1.568E-06	6.827E-06	2.416E-05	8.342E-06
5.00E 00---6.50E 00	1.032E-07	1.678E-07	1.932E-07	2.275E-07	5.742E-07	1.074E-06	1.277E-05	4.206E-05	1.513E-05
4.00E 00---5.00E 00	6.395E-07	1.351E-06	1.395E-06	1.646E-06	5.359E-06	2.309E-06	8.832E-05	2.820E-04	1.077E-04
3.00E 00---4.00E 00	9.685E-07	1.201E-06	3.401E-07	-2.459E-07	2.765E-06	1.930E-06	6.733E-05	1.665E-04	7.078E-05
2.50E 00---3.00E 00	5.707E-07	1.180E-06	4.729E-07	8.024E-07	6.795E-06	2.844E-05	7.912E-05	1.656E-04	8.559E-05
2.00E 00---2.50E 00	2.529E-08	-4.367E-08	1.111E-06	6.309E-06	1.920E-05	4.363E-05	8.097E-05	1.237E-04	8.913E-04
1.66E 00---2.00E 00	-5.510E-07	-2.959E-08	2.011E-06	1.235E-05	2.854E-05	5.185E-05	7.956E-05	1.019E-04	1.178E-04
1.33E 00---1.66E 00	-6.510E-07	9.159E-07	7.461E-06	2.072E-05	3.918E-05	5.912E-05	7.600E-05	1.398E-04	1.398E-04
1.00E 00---1.33E 00	1.105E-06	6.080E-06	1.714E-06	3.349E-05	5.115E-05	6.440E-05	6.953E-05	6.848E-05	1.768E-04
8.00E-01---1.00E 00	7.451E-06	1.749E-05	3.127E-05	4.615E-05	5.836E-05	6.458E-05	6.426E-05	6.080E-05	2.283E-04
6.00E-01---8.00E-01	2.160E-05	3.538E-05	4.764E-05	5.586E-05	5.998E-05	6.210E-05	6.409E-05	6.630E-05	3.067E-04
4.00E-01---6.00E-01	6.258E-05	7.227E-05	7.774E-05	8.020E-05	8.260E-05	8.772E-05	9.566E-05	6.502E-04	6.502E-04
3.00E-01---4.00E-01	8.040E-05	7.987E-05	8.223E-05	8.893E-05	9.738E-05	1.037E-04	1.057E-04	1.048E-04	9.098E-04
2.00E-01---3.00E-01	1.209E-04	1.255E-04	1.312E-04	1.369E-04	1.426E-04	1.485E-04	1.542E-04	1.584E-04	1.643E-03
1.00E-01---2.00E-01	4.119E-04	4.330E-04	4.55E-04	4.782E-04	5.000E-04	5.194E-04	5.346E-04	5.437E-04	5.180E-03
5.00E-02---1.00E-01	1.206E-03	1.254E-03	1.304E-03	1.3533E-03	1.400E-03	1.470E-03	1.488E-03	1.511E-02	1.511E-02
2.00E-02---5.00E-02	3.284E-04	3.338E-04	3.444E-04	3.392E-04	3.490E-04	3.529E-04	3.558E-04	3.575E-04	4.112E-03

4 PI R**2 FLUENCE AT 3600.C METERS

FISSION SOURCE

(GAMMAS/MEV/STERADIANS/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1 MU=0.10000	ANGLE 2 MU=-0.9894	ANGLE 3 MU=-0.9446	ANGLE 4 MU=0.8656	ANGLE 5 MU=-0.7550	ANGLE 6 MU=-0.6179	ANGLE 7 MU=-0.4580	ANGLE 8 MU=-0.2816	ANGLE 9 MU=-0.0950
8.00E 90---1.00E 01	-2.748E-09	-2.261E-09	-6.759E-10	6.242E-10	1.524E-09	3.023E-10	-9.527E-10	-1.275E-09	-2.135E-11
6.50E 00---8.00E 00	-7.812E-09	-7.32E-09	-2.184E-09	5.183E-09	8.879E-09	4.371E-09	-4.371E-09	-6.124E-11	
5.00E 00---6.50E 00	-3.954E-08	-3.242E-08	-9.195E-09	1.013E-08	2.227E-08	3.759E-09	-1.423E-08	-1.763E-08	2.132E-09
4.00E 00---5.00E 00	-7.014E-08	-5.754E-08	-1.648E-08	1.56E-08	3.743E-08	3.884E-09	-2.709E-08	-3.097E-08	5.004E-09
3.00E 00---4.00E 00	-6.230E-08	-5.075E-08	-1.333E-08	1.713E-08	3.241E-08	6.422E-09	-2.410E-08	-3.797E-09	
2.50E 00---3.00E 00	-2.130E-08	-2.080E-08	-3.941E-09	8.954E-09	1.080E-08	-3.114E-09	-1.287E-08	-5.540E-08	1.087E-08
2.00E 00---2.50E 00	-2.680E-08	-2.479E-08	-9.201E-09	8.954E-09	-1.424E-08	-7.567E-09	-6.693E-09	-2.247E-08	1.196E-08
1.66E 00---2.00E 00	-2.080E-08	8.740E-08	2.104E-08	-2.624E-08	-3.804E-08	-8.440E-09	2.742E-08	-5.136E-08	-8.839E-09
1.33E 00---1.66E 00	1.173E-08	9.704E-08	2.434E-08	-2.829E-08	-4.793E-08	-2.699E-09	4.234E-08	5.842E-08	-2.652E-08
1.00E 00---1.33E 00	6.267E-08	5.012E-08	7.177E-09	-2.477E-08	-2.051E-08	7.522E-09	3.472E-08	6.726E-09	-3.030E-08
8.00E-01---1.00E 00	-8.130E-08	-6.865E-08	-2.479E-08	1.926E-08	4.747E-08	1.559E-08	-3.041E-08	-3.950E-08	5.641E-08
6.00E-01---8.00E-01	-1.83E-07	-2.975E-07	-5.288E-08	7.113E-08	4.992E-09	-2.638E-08	9.659E-08	4.876E-07	
4.00E-01---6.00E-01	5.015E-07	5.142E-07	4.610E-07	5.061E-07	7.340E-07	1.160E-07	1.160E-06	1.754E-06	2.414E-06
3.00E-01---4.00E-01	5.285E-07	5.728E-07	7.758E-07	1.185E-06	1.797E-06	2.525E-06	3.193E-06	3.632E-06	3.760E-06
2.00E-01---3.00E-01	6.774E-06	6.770E-06	6.735E-06	6.627E-06	6.410E-06	6.099E-06	5.767E-06	5.516E-06	5.424E-06
1.00E-01---2.00E-01	1.486E-05	1.485E-05	1.501E-05	1.526E-05	1.562E-05	1.607E-05	1.662E-05	1.725E-05	1.793E-05
5.00E-02---1.00E-01	4.549E-05	4.556E-05	4.586E-05	4.640E-05	4.719E-05	4.822E-05	4.948E-05	5.097E-05	5.266E-05
2.00E-02---5.00E-02	1.372E-05	1.373E-05	1.377E-05	1.384E-05	1.394E-05	1.407E-05	1.423E-05	1.441E-05	1.461E-05
ENERGY GROUP (MEV)	ANGLE 11 MU=0.0950	ANGLE 12 MU=0.4580	ANGLE 13 MU=0.6179	ANGLE 14 MU=0.7550	ANGLE 15 MU=0.8656	ANGLE 16 MU=0.9446	ANGLE 17 MU=0.9894	SCALAR FLUX	
8.00E 00---1.00E 01	1.408E-09	-1.293E-10	-4.980E-09	-1.797E-09	-9.152E-09	3.531E-08	3.391E-07	2.1113E-06	5.1114E-07
6.50E 00---8.00E 00	4.938E-09	9.376E-09	-2.192E-09	-1.907E-08	8.368E-08	6.508E-07	8.357E-07	3.2030E-06	8.357E-07
5.00E 00---6.50E 00	2.360E-08	4.162E-08	-9.000E-09	-7.754E-08	-1.961E-08	4.622E-07	3.210E-06	1.523E-05	4.091E-06
4.00E 00---5.00E 00	4.080E-08	6.265E-08	-4.201E-08	-1.475E-07	-1.211E-07	7.411E-07	3.520E-06	9.930E-06	3.419E-06
3.00E 00---4.00E 00	4.943E-08	4.264E-08	-6.111E-08	-8.988E-08	1.522E-07	1.872E-07	1.522E-06	4.710E-06	5.424E-06
2.50E 00---3.00E 00	2.503E-08	-9.485E-09	-4.562E-08	3.908E-08	5.049E-07	1.775E-06	4.137E-06	7.212E-06	4.311E-06
2.00E 00---2.50E 00	-2.225E-08	-4.945E-08	3.581E-09	2.697E-07	9.534E-07	2.219E-06	4.062E-06	5.996E-06	4.891E-06
1.66E 00---2.00E 00	-7.034E-08	-5.992E-08	1.13E-07	6.250E-07	1.478E-06	2.609E-06	3.820E-06	4.789E-06	5.636E-06
1.33E 00---1.66E 00	-8.816E-08	3.541E-09	3.502E-07	1.092E-07	2.022E-06	3.470E-06	3.690E-06	6.644E-06	
1.00E 00---1.33E 00	1.665E-08	2.840E-07	8.846E-07	1.727E-06	2.551E-06	3.027E-06	3.006E-06	2.715E-06	8.352E-06
8.00E 00---1.00E 00	3.674E-07	8.985E-07	1.599E-06	2.280E-06	2.764E-06	2.901E-06	2.435E-06	1.071E-05	
6.00E 00---8.00E 00	1.107E-06	1.790E-06	2.331E-06	2.613E-06	2.678E-06	2.682E-06	2.750E-06	1.429E-05	
4.00E 00---6.00E 00	3.000E-06	3.385E-06	3.533E-06	3.543E-06	3.574E-06	3.777E-06	4.128E-06	4.458E-06	4.971E-05
3.00E 00---4.00E 00	3.671E-06	3.570E-06	3.652E-06	3.951E-06	4.319E-06	4.545E-06	4.537E-06	4.413E-06	4.162E-05
2.00E 00---3.00E 00	5.499E-06	5.684E-06	5.899E-06	6.097E-06	6.287E-06	6.501E-06	6.729E-06	6.904E-06	7.511E-05
1.00E 00---2.00E 00	1.879E-05	1.966E-05	2.059E-05	2.149E-05	2.236E-05	2.312E-05	2.370E-05	2.405E-05	2.354E-04
5.00E 00---6.00E 00	5.453E-05	5.652E-05	5.856E-05	6.056E-05	6.241E-05	6.400E-05	6.519E-05	6.589E-05	6.823E-04
2.00E 00---5.00E 00	1.482E-05	1.505E-05	1.527E-05	1.548E-05	1.567E-05	1.582E-05	1.594E-05	1.601E-05	1.856E-04

(GAMMAS/MEV/STERADIAN/SOURCE NEUTRON)

ENERGY GROUP (MEV)	ANGLE 1	ANGLE 2	ANGLE 3	ANGLE 4	ANGLE 5	ANGLE 6	ANGLE 7	ANGLE 8	ANGLE 9
8.00E 00----1.00E 01	MU=1.0000	MU=-0.9894	MU=0.9446	MU=0.8656	MU=-0.7550	MU=-0.6179	MU=-0.4580	MU=0.2816	MU=-0.0950
6.50E 00----8.00E 00	-1.288E-10	-1.065E-10	-3.078E-11	4.068E-11	6.660E-11	1.032E-11	-6.803E-11	-8.859E-11	5.743E-12
5.00E 00----6.50E 00	-4.309E-10	-3.557E-10	-1.014E-10	1.376E-10	2.204E-10	2.989E-11	-2.281E-10	-3.433E-11	3.433E-11
4.00E 00----5.00E 00	-1.431E-09	-1.179E-09	-3.305E-10	4.640E-10	7.250E-10	8.581E-11	-7.551E-10	-9.051E-10	1.507E-10
3.00E 00----4.00E 00	-2.418E-09	-1.988E-09	-5.398E-10	8.008E-10	1.157E-09	8.755E-11	-1.291E-09	-1.21E-09	7.103E-11
2.50E 00----3.00E 00	-7.616E-10	-5.984E-10	-7.715E-11	4.248E-10	7.403E-10	9.943E-10	-4.704E-11	-1.175E-09	4.210E-10
2.00E 00----2.50E 00	-1.332E-09	1.133E-09	3.033E-10	-3.838E-10	-7.060E-10	-3.086E-10	4.849E-10	-6.524E-11	6.796E-10
1.66E 00----2.00E 00	3.538E-09	2.941E-09	7.912E-10	-1.181E-09	-1.636E-09	-2.349E-10	1.599E-09	-2.528E-09	-4.707E-10
1.33E 00----1.66E 00	4.591E-09	3.770E-09	8.709E-10	-1.641E-09	-1.960E-09	-2.770E-11	2.288E-09	-2.076E-09	-1.526E-09
1.00E 00----1.33E 00	2.253E-09	1.776E-09	1.857E-10	-9.709E-10	-7.007E-10	5.431E-10	1.504E-09	-5.055E-11	-1.760E-09
8.00E-01----1.00E 00	-3.585E-09	-3.018E-09	-1.028E-09	1.076E-09	2.159E-09	5.959E-10	-1.769E-09	-2.114E-09	3.222E-09
6.00E-01----8.00E-01	-6.271E-09	-5.271E-09	-1.134E-09	2.518E-09	2.944E-09	-6.297E-11	-1.332E-09	-2.490E-08	2.490E-08
4.00E-01----6.00E-01	2.189E-08	2.247E-08	2.006E-08	1.921E-08	2.304E-08	3.489E-08	5.650E-08	8.570E-08	1.169E-07
3.00E-01----4.00E-01	1.930E-08	2.152E-08	3.166E-08	5.182E-08	8.190E-08	1.177E-07	1.502E-07	1.08E-07	1.756E-07
2.00E-01----3.00E-01	2.892E-07	2.895E-07	2.898E-07	2.880E-07	2.822E-07	2.724E-07	2.610E-07	2.522E-07	2.497E-07
1.00E-01----2.00E-01	5.932E-07	5.957E-07	6.062E-07	6.247E-07	6.504E-07	6.820E-07	7.117E-07	7.562E-07	7.965E-07
5.00E-02----1.00E-01	1.763E-06	1.768E-06	1.790E-06	1.830E-06	1.825E-06	1.956E-06	2.037E-06	2.224E-06	2.224E-06
2.00E-02----5.00E-02	5.596E-07	5.602E-07	5.629E-07	5.676E-07	5.741E-07	5.822E-07	5.917E-07	6.022E-07	6.128E-07
ENERGY GROUP (MEV)	ANGLE 1C	ANGLE 11	ANGLE 12	ANGLE 13	ANGLE 14	ANGLE 15	ANGLE 16	ANGLE 17	SCALAR FLUX
8.00E 00----1.00E 01	MU= 0.0950	MU= 0.2816	MU= 0.4580	MU= 3.6179	MU= 0.7550	MU= 0.8656	MU= 0.9446	MU= 0.9894	3.628E-03
6.50E 00----8.00E 00	4.054E-10	2.222E-10	-6.963E-11	-5.697E-10	-5.609E-10	-5.222E-09	-5.776E-08	-5.666E-08	3.042E-07
5.00E 00----6.50E 00	1.363E-09	2.153E-09	-3.210E-10	-1.831E-09	-1.497E-09	4.267E-09	3.694E-08	2.094E-08	1.042E-08
4.00E 00----5.00E 00	2.568E-09	3.394E-09	-3.002E-09	-3.031E-09	-9.243E-09	-1.355E-09	3.627E-08	1.732E-07	1.758E-07
3.00E 00----4.00E 00	1.053E-09	-1.105E-09	-2.960E-09	-5.116E-09	-5.759E-09	7.828E-09	6.444E-08	1.943E-07	1.831E-07
2.50E 00----3.00E 00	1.582E-09	-3.057E-09	4.426E-11	1.425E-08	4.835E-08	2.566E-08	8.818E-08	1.967E-07	3.258E-07
2.00E 00----2.50E 00	-1.66E 00----2.00E 00	-4.069E-09	-3.366E-09	6.180E-09	3.246E-08	1.077E-07	1.882E-07	2.649E-07	2.309E-07
1.33E 00----1.66E 00	-6.742E-09	2.306E-11	1.899E-09	5.485E-08	9.803E-08	1.238E-07	1.727E-07	2.654E-07	2.075E-07
1.00E 00----1.33E 00	9.991E-10	1.500E-08	4.457E-08	8.409E-08	1.202E-07	1.374E-07	1.310E-07	1.141E-07	3.910E-07
8.00E-01----1.00E 00	1.906E-08	4.495E-08	7.726E-08	1.076E-07	1.269E-07	1.297E-07	1.187E-07	1.051E-07	5.004E-07
6.00E-01----8.00E-01	5.480E-08	8.649E-08	1.099E-07	1.202E-07	1.206E-07	1.194E-07	1.225E-07	1.280E-07	6.664E-07
4.00E-01----6.00E-01	1.432E-07	1.592E-07	1.642E-07	1.629E-07	1.634E-07	1.720E-07	1.878E-07	2.023E-07	1.391E-06
3.00E-01----4.00E-01	1.703E-07	1.650E-07	1.686E-07	1.822E-07	1.984E-07	2.073E-07	2.054E-07	2.073E-07	1.922E-06
2.00E-01----3.00E-01	2.542E-07	2.630E-07	2.725E-07	2.808E-07	2.975E-07	3.042E-07	3.150E-07	3.412E-06	3.064E-06
1.00E-01----2.00E-01	8.386E-07	8.819E-07	9.255E-07	9.679E-07	1.007E-06	1.041E-06	1.066E-06	1.081E-06	1.036E-05
5.00E-02----1.00E-01	2.326E-06	2.428E-06	2.530E-06	2.626E-06	2.786E-06	2.713E-06	2.841E-06	2.872E-06	2.877E-05
2.00E-02----5.00E-02	6.250E-07	6.367E-07	6.480E-07	6.586E-07	6.678E-07	6.754E-07	6.809E-07	6.841E-07	7.793E-06

$^{40}\text{P}\text{I}$ R**2 HENDERSIN DOSE (NEUTRONS)
(CM**2 KAL/STERAVIAN SOURCE NEUTRON)

FISSION SOURCE

CUSINE	1800.C	2100.0	2400.C	RANGE (METERS)	3000.C	3300.C	3600.C
-1.0000E+00	5.326E-13	1.339E-13	3.307E-14	8.086E-15	1.966E-15	4.770E-16	1.156E-16
-9.89401E-01	5.343E-13	1.243E-13	3.182E-14	8.111E-15	4.785E-16	1.160E-16	1.160E-16
-9.44575E-01	5.445E-13	1.362E-13	3.362E-14	6.220E-15	1.999E-15	4.849E-16	1.176E-16
-8.65631E-01	5.547E-13	1.395E-13	3.445E-14	8.424E-15	2.049E-15	4.970E-16	1.205E-16
-7.55044E-01	5.747E-13	1.446E-13	3.570E-14	8.736E-15	2.123E-15	5.151E-16	1.249E-16
-6.17876E-01	6.226E-13	1.516E-13	3.744E-14	9.156E-15	2.227E-15	5.444E-16	1.310E-16
-4.58017E-01	6.394E-13	1.608E-13	3.973E-14	9.761E-15	2.364E-15	5.736E-16	1.391E-16
-2.81605E-01	6.671E-13	1.729E-13	4.270E-14	1.044E-14	2.541E-15	6.166E-16	1.465E-16
-9.50125E-02	7.477E-13	1.881E-13	4.646E-14	1.136E-14	6.765E-15	6.710E-16	1.637E-16
9.50125E-02	8.242E-13	2.073E-13	5.119E-14	1.252E-14	3.046E-15	7.394E-16	1.794E-16
2.81605E-01	9.205E-13	2.314E-13	5.714E-14	1.397E-14	3.40CE-15	8.254E-16	2.039E-16
4.58017E-01	1.042E-12	2.616E-13	6.464E-14	1.581E-14	3.842E-15	9.347E-16	2.288E-16
6.17876E-01	1.196E-12	3.006E-13	7.418E-14	1.814E-14	4.416E-15	1.073E-15	2.665E-16
7.55044E-01	1.399E-12	3.504E-13	8.642E-14	2.113E-14	5.145E-15	1.251E-15	3.098E-16
8.65631E-01	1.663E-12	4.158E-13	1.024E-13	2.503E-14	6.095E-15	1.482E-15	3.569E-16
9.44575E-01	2.300E-12	5.49E-13	1.240E-13	3.026E-14	7.789E-15	1.789E-15	4.299E-16
9.89401E-01	2.722E-12	6.611E-13	1.597E-13	3.838E-14	9.275E-15	2.288E-15	5.497E-16
TOTAL	1.163E-11	2.915E-12	7.187E-13	1.756E-13	4.272E-14	1.037E-14	2.517E-15
CUSINE	3800.0	4000.C	4200.0	RANGE (METERS)	4400.0	4600.C	4800.0
-1.6000E+00	4.6497E-17	1.750E-17	6.812E-18	2.650E-18	1.017E-18	3.469E-19	3.469E-19
-9.89401E-01	4.8911E-17	1.753E-17	6.833E-18	2.658E-18	1.021E-18	3.484E-19	3.484E-19
-9.44575E-01	4.572E-17	1.779E-17	6.925E-18	2.694E-18	1.035E-18	3.551E-19	3.551E-19
-8.65631E-01	4.686E-17	1.823E-17	7.098E-18	2.702E-18	1.063E-18	3.674E-19	3.674E-19
-7.55044E-01	4.885E-17	1.894E-17	7.359E-18	2.884E-18	1.044E-18	3.861E-19	3.861E-19
-6.17876E-01	5.996E-17	1.983E-17	7.721E-18	3.055E-18	1.166E-18	4.119E-19	4.119E-19
-4.58017E-01	5.410E-17	2.105E-17	8.199E-18	3.192E-18	1.256E-18	4.453E-19	4.453E-19
-2.81605E-01	5.817E-17	2.264E-17	8.616E-18	3.494E-18	1.330E-18	4.871E-19	4.871E-19
-9.50125E-02	6.231E-17	2.464E-17	9.598E-18	3.739E-18	1.450E-18	5.377E-19	5.377E-19
9.50125E-02	6.979E-17	2.17E-17	1.058E-17	4.124E-18	1.602E-18	5.996E-19	5.996E-19
2.81605E-01	7.794E-17	3.035E-17	1.182E-17	4.669E-18	1.792E-18	6.763E-19	6.763E-19
4.58017E-01	8.327E-17	3.438E-17	1.340E-17	5.226E-18	2.034E-18	7.729E-19	7.729E-19
6.17876E-01	1.015E-16	3.954E-17	1.542E-17	6.016E-18	2.344E-18	8.966E-19	8.966E-19
7.55044E-01	1.184E-16	4.617E-17	1.802E-17	7.939E-18	2.744E-18	1.054E-18	1.054E-18
8.65631E-01	1.405E-16	5.481E-17	2.140E-17	8.360E-18	3.266E-18	1.260E-18	1.260E-18
9.44575E-01	1.695E-16	6.612E-17	2.582E-17	1.039E-17	3.942E-18	1.525E-18	1.525E-18
9.89401E-01	2.100E-16	8.162E-17	3.176E-17	1.237E-17	4.822E-18	1.865E-18	1.865E-18
TOTAL	9.797E-16	3.816E-16	1.487E-16	5.798E-17	2.253E-17	8.427E-18	8.427E-18

4 PI R**2 SNYDER-NEUFELD-JOSÉ (NEUTRONS)
(CM**2 RAD/STERADIAN/SOURCE NEUTRON)

FISSION SOURCE

COSINE	1800.0	2100.0	2400.0	RANGE (METERS)	3600.0	3900.0	4200.0
-1.00000E+00	1.443E-12	3.631E-13	8.935E-14	2.173E-14	5.248E-15	1.264E-15	3.040E-16
-9.89401E-01	1.444E-12	3.640E-13	8.957E-14	2.186E-14	5.260E-15	1.267E-15	3.048E-16
-9.44575E-01	1.462E-12	3.677E-13	9.450E-14	2.200E-14	5.315E-15	1.280E-15	3.066E-16
-8.65631E-01	1.490E-12	3.747E-13	9.222E-14	2.242E-14	5.416E-15	1.304E-15	3.138E-16
-7.55044E-01	1.531E-12	3.851E-13	9.477E-14	2.304E-14	5.567E-15	1.341E-15	3.226E-16
-6.17876E-01	1.587E-12	3.992E-13	9.825E-14	2.389E-14	5.772E-15	1.390E-15	3.346E-16
-4.58017E-01	1.669E-12	4.175E-13	1.0285E-13	2.499E-14	6.038E-15	1.454E-15	3.500E-16
-2.81605E-01	1.752E-12	4.407E-13	1.085E-13	2.638E-14	6.374E-15	1.535E-15	3.690E-16
-9.50125E-02	1.866E-12	4.692E-13	1.155E-13	2.867E-14	6.788E-15	1.635E-15	3.938E-16
9.50125E-02	2.006E-12	5.043E-13	1.241E-13	3.018E-14	7.295E-15	1.758E-15	4.244E-16
2.81605E-01	2.177E-12	5.470E-13	1.346E-13	3.275E-14	7.913E-15	1.907E-15	4.598E-16
4.58017E-01	2.386E-12	5.991E-13	1.474E-13	3.585E-14	8.667E-15	2.090E-15	5.037E-16
6.17876E-01	2.643E-12	6.630E-13	1.631E-13	3.967E-14	9.594E-15	2.315E-15	5.588E-16
7.55044E-01	2.962E-12	7.42CE-13	1.824E-13	4.438E-14	1.074E-14	2.593E-15	6.258E-16
8.65631E-01	3.366E-12	8.417E-13	2.067E-13	5.030E-14	1.216E-14	2.942E-15	7.088E-16
9.44575E-01	3.903E-12	9.723E-13	2.384E-13	5.936E-14	1.402E-14	3.389E-15	8.192E-16
9.89401E-01	4.872E-12	1.192E-12	2.886E-13	6.958E-14	1.673E-14	4.023E-15	9.646E-16
TOTAL	2.699E-11	6.770E-12	1.664E-12	4.047E-13	9.783E-14	2.359E-14	5.684E-15
COSINE	3800.0	4000.0	4200.0	RANGE (METERS)	4400.0	4600.0	4800.0
-1.00000E+00	1.176E-16	4.555E-17	1.764E-17	6.831E-18	2.614E-18	8.952E-19	8.952E-19
-9.89401E-01	1.179E-16	4.566E-17	1.769E-17	6.849E-18	2.621E-18	8.963E-19	8.963E-19
-9.44575E-01	1.192E-16	4.613E-17	1.787E-17	6.920E-18	2.655E-18	9.113E-19	9.113E-19
-8.65631E-01	1.214E-16	4.702E-17	1.822E-17	7.054E-18	2.704E-18	9.355E-19	9.355E-19
-7.55044E-01	1.248E-16	4.834E-17	1.873E-17	7.255E-18	2.783E-18	9.714E-19	9.714E-19
-6.17876E-01	1.295E-16	5.013E-17	1.942E-17	7.525E-18	2.891E-18	1.020E-18	1.020E-18
-4.58017E-01	1.355E-16	5.246E-17	2.033E-17	7.877E-18	3.031E-18	1.082E-18	1.082E-18
-2.81605E-01	1.431E-16	5.541E-17	2.147E-17	8.323E-18	3.206E-18	1.159E-18	1.159E-18
-9.50125E-02	1.524E-16	5.904E-17	2.289E-17	8.873E-18	3.422E-18	1.249E-18	1.249E-18
9.50125E-02	1.639E-16	6.351E-17	2.462E-17	9.548E-18	3.687E-18	1.358E-18	1.358E-18
2.81605E-C1	1.780E-16	6.896E-17	2.674E-17	1.033E-17	4.010E-18	1.488E-18	1.488E-18
4.58017E-C1	1.952E-16	7.565E-17	2.935E-17	1.139E-17	4.409E-18	1.648E-18	1.648E-18
6.17876E-C1	2.164E-16	8.392E-17	3.258E-17	1.265E-17	4.902E-18	1.844E-18	1.844E-18
7.55044E-C1	2.427E-16	9.421E-17	3.659E-17	1.422E-17	5.519E-18	2.088E-18	2.088E-18
8.65631E-C1	2.759E-16	4.072E-16	4.166E-17	1.621E-17	6.297E-18	3.395E-18	3.395E-18
9.44575E-C1	3.181E-16	1.236E-16	4.607E-17	1.871E-17	7.276E-18	2.779E-18	2.779E-18
9.89401E-C1	3.752E-16	1.455E-16	5.648E-17	2.195E-17	8.522E-18	3.261E-18	3.261E-18
TOTAL	2.202E-15	8.535E-16	3.311E-16	1.285E-16	4.964E-17	1.827E-17	

($\text{CH}_{2}^{4}\text{P}_{1}$, n^{**2} , TISSUE KERMA (NEUTRONS),
 Fission Source)

Fission Source

COSINE	1600.0	2100.0	2400.0	RANGE (METERS)	3000.0	3300.0	3600.0
				2700.0			
-1.00000E+00	5.376E-15	2.089E-15	8.119E-16	3.154E-16	1.210E-16	4.130E-17	
-9.89401E-01	5.392E-15	2.095E-15	8.144E-16	3.163E-16	1.214E-16	4.147E-17	
-9.44575E-01	5.460E-15	2.122E-15	8.247E-16	3.204E-16	1.230E-16	4.221E-17	
-8.65631E-01	5.781E-15	2.171E-15	8.442E-16	3.28E-16	1.261E-16	4.360E-17	
-7.55044E-01	5.781E-15	2.246E-15	8.733E-16	3.39E-16	1.306E-16	4.568E-17	
-6.17876E-01	6.047E-15	2.350E-15	9.130E-16	3.555E-16	1.369E-16	4.853E-17	
-4.58017E-01	6.396E-15	2.485E-15	9.665E-16	3.758E-16	1.451E-16	5.221E-17	
-2.81605E-01	6.844E-15	2.660E-15	1.034E-15	4.623E-16	1.556E-16	5.678E-17	
-9.50125E-02	7.406E-15	2.879E-15	1.120E-15	4.356E-16	1.667E-16	6.229E-17	
9.50125E-02	8.16E-15	3.152E-15	1.226E-15	4.772E-16	1.851E-16	6.899E-17	
2.81605E-01	8.98E-15	3.494E-15	1.360E-15	5.293E-16	2.055E-16	7.721E-17	
6.58017E-01	1.00E-14	3.923E-15	1.527E-15	5.947E-16	2.311E-16	8.746E-17	
6.17876E-01	1.148E-14	4.466E-15	1.739E-15	6.779E-16	2.639E-16	1.044E-16	
7.55044E-01	1.325E-14	5.159E-15	2.011E-15	7.842E-16	3.055E-16	1.169E-16	
8.65631E-01	1.559E-14	6.054E-15	2.361E-15	9.217E-16	3.595E-16	1.382E-16	
9.44575E-01	1.852E-14	7.216E-15	2.815E-15	1.099E-15	4.289E-16	1.655E-16	
9.89401E-01	2.261E-14	8.797E-15	3.422E-15	1.333E-15	5.188E-16	2.002E-16	
TOTAL	1.123E-13	4.369E-14	1.700E-14	6.622E-15	2.569E-15	9.570E-16	
COSINE	3800.0	4000.0	4200.0	RANGE (METERS)	4400.0	4600.0	4800.0
				4000.0			
-1.00000E+00	5.376E-15	2.089E-15	8.119E-16	3.154E-16	1.210E-16	4.130E-17	
-9.89401E-01	5.392E-15	2.095E-15	8.144E-16	3.163E-16	1.214E-16	4.147E-17	
-9.44575E-01	5.460E-15	2.122E-15	8.247E-16	3.204E-16	1.230E-16	4.221E-17	
-8.65631E-01	5.781E-15	2.171E-15	8.442E-16	3.28E-16	1.261E-16	4.360E-17	
-7.55044E-01	5.781E-15	2.246E-15	8.733E-16	3.39E-16	1.306E-16	4.568E-17	
-6.17876E-01	6.047E-15	2.350E-15	9.130E-16	3.555E-16	1.369E-16	4.853E-17	
-4.58017E-01	6.396E-15	2.485E-15	9.665E-16	3.758E-16	1.451E-16	5.221E-17	
-2.81605E-01	6.844E-15	2.660E-15	1.034E-15	4.623E-16	1.556E-16	5.678E-17	
-9.50125E-02	7.406E-15	2.879E-15	1.120E-15	4.356E-16	1.667E-16	6.229E-17	
9.50125E-02	8.16E-15	3.152E-15	1.226E-15	4.772E-16	1.851E-16	6.899E-17	
2.81605E-01	8.98E-15	3.494E-15	1.360E-15	5.293E-16	2.055E-16	7.721E-17	
6.58017E-01	1.00E-14	3.923E-15	1.527E-15	5.947E-16	2.311E-16	8.746E-17	
6.17876E-01	1.148E-14	4.466E-15	1.739E-15	6.779E-16	2.639E-16	1.044E-16	
7.55044E-01	1.325E-14	5.159E-15	2.011E-15	7.842E-16	3.055E-16	1.169E-16	
8.65631E-01	1.559E-14	6.054E-15	2.361E-15	9.217E-16	3.595E-16	1.382E-16	
9.44575E-01	1.852E-14	7.216E-15	3.422E-15	1.333E-15	5.188E-16	2.002E-16	
9.89401E-01	2.261E-14	8.797E-15	3.422E-15	1.333E-15	5.188E-16	2.002E-16	
TOTAL	1.123E-13	4.369E-14	1.700E-14	6.622E-15	2.569E-15	9.570E-16	

⁴P1 N**2 MID-PHANTOM (OUSE (NUCLEUS)
ICH**2 RAD/STERAD/SOURCE NEUTRONS)

FISSION SOURCE

COSINE	1800.0	2160.0	2400.0	RANGE (METERS)	3600.0	3900.0	3600.0
-1.00000E+00	2.310E-13	5.824E-14	1.436E-14	3.495E-15	8.453E-16	2.638E-16	4.914E-17
-9.89401E-01	2.159E-13	5.837E-14	1.459E-14	3.503E-15	8.472E-16	2.643E-16	4.922E-17
-9.44575E-01	2.337E-13	5.893E-14	1.453E-14	3.537E-15	8.555E-16	2.638E-16	4.971E-17
-8.65631E-01	2.378E-13	5.997E-14	1.476E-14	3.600E-15	8.7C8E-16	2.100E-16	5.061E-17
-7.55044E-01	2.395E-13	6.151E-14	1.517E-14	3.694E-15	8.937E-16	2.156E-16	5.194E-17
-6.17876E-01	2.523E-13	6.363E-14	1.589E-14	3.823E-15	9.251E-16	2.232E-16	5.382E-17
-4.58017E-01	2.531E-13	6.639E-14	1.688E-14	3.991E-15	9.661E-16	2.332E-16	5.625E-17
-2.81609E-01	2.770E-13	6.989E-14	1.725E-14	4.204E-15	1.018E-15	2.459E-16	5.335E-17
-9.50125E-02	2.942E-13	7.425E-14	1.833E-14	4.470E-15	1.083E-15	2.619E-16	6.322E-17
9.50125E-02	3.156E-13	7.966E-14	1.967E-14	4.801E-15	1.164E-15	2.816E-16	6.807E-17
2.81609E-01	3.423E-13	8.643E-14	2.136E-14	5.217E-15	1.267E-15	3.067E-16	7.423E-17
4.58017E-01	3.652E-13	9.508E-14	2.352E-14	5.52E-15	1.399E-15	3.393E-16	8.227E-17
6.17876E-01	4.215E-13	1.065E-13	2.638E-14	6.465E-15	1.575E-15	3.831E-16	9.133E-17
7.55044E-01	4.631E-13	1.221E-13	3.031E-14	7.444E-15	1.819E-15	4.437E-16	1.082E-16
8.65631E-01	5.716E-13	1.445E-13	3.591E-14	8.841E-15	2.167E-15	3.922E-16	1.998E-16
9.44575E-01	7.076E-13	1.783E-13	4.427E-14	1.091E-14	2.676E-15	6.558E-16	1.608E-16
9.89401E-01	1.0016E-12	2.45CE-13	5.960E-14	1.447E-14	3.511E-15	8.528E-16	2.076E-16
TOTAL	4.381E-12	1.1C5E-12	2.730E-13	6.675E-14	1.623E-14	3.935E-15	9.543E-16

COSINE	3600.0	4000.0	RANGE (METERS)	4400.0	4600.0	4800.0
-1.00000E+00	1.902E-17	7.374E-18	2.860E-18	1.1C9E-18	4.250E-19	1.459E-19
-9.89401E-01	7.907E-17	2.667E-18	1.11E-18	4.266E-19	1.464E-19	1.484E-19
-9.44575E-01	1.926E-17	4.664E-18	2.89E-18	1.123E-18	4.305E-19	1.522E-19
-8.65631E-01	1.961E-17	7.601E-18	2.949E-18	1.141E-18	4.389E-19	1.579E-19
-7.55044E-01	3.013E-17	7.806E-18	3.229E-18	1.175E-18	4.515E-19	1.657E-19
-6.17876E-01	2.086E-17	8.089E-18	3.139E-18	1.218E-18	4.688E-19	1.758E-19
-4.58017E-01	2.181E-17	8.458E-18	3.283E-18	1.275E-18	4.914E-19	1.864E-19
-2.81609E-01	2.302E-17	8.931E-18	3.468E-18	1.347E-18	5.202E-19	2.035E-19
-9.50125E-02	2.453E-17	9.523E-18	3.700E-18	1.438E-18	5.561E-19	2.222E-19
9.50125E-02	2.643E-17	1.027E-17	3.922E-18	1.553E-18	6.014E-19	2.458E-19
2.81609E-01	2.884E-17	1.122E-17	4.365E-18	1.699E-18	6.594E-19	2.767E-19
4.58017E-01	3.201E-17	1.246E-17	4.856E-18	1.894E-18	7.362E-19	3.189E-19
6.17876E-01	3.630E-17	1.416E-17	5.527E-18	2.159E-18	8.416E-19	3.781E-19
7.55044E-01	4.227E-17	1.653E-17	6.466E-18	2.532E-18	9.897E-19	4.623E-19
8.65631E-01	5.680E-17	1.990E-17	7.806E-18	3.63E-18	1.2C1E-18	5.797E-19
9.44575E-01	6.302E-17	2.472E-17	9.705E-18	3.813E-18	1.497E-18	7.356E-19
9.89401E-01	8.104E-17	3.165E-17	1.238E-17	4.845E-18	1.899E-18	7.356E-19
TOTAL	3.713E-16	1.044E-16	5.033E-17	2.196E-17	8.527E-18	3.164E-18

4 PI R**2 CONCRETE KERMA (NEUTRONS)
(CM**2 ERGS/GRAM/STERADIAN/SOURCE NEUTRON)

FISSION SOURCE

CUSINE	1800.0	2100.0	2400.0	RANGE (METERS)	3000.0	3300.0	3600.0
				2700.C			
-1.0000E+00	7.184E-12	1.866E-12	4.458E-12	1.689E-13	2.647E-14	6.416E-15	1.554E-15
9.89401E-01	7.206E-12	1.812E-12	4.471E-12	1.693E-13	2.655E-14	6.435E-15	1.559E-15
-9.44575E-01	7.299E-12	1.855E-12	4.530E-12	1.677E-13	2.690E-14	6.520E-15	1.579E-15
-9.65631E-01	7.474E-12	1.879E-12	4.639E-12	1.734E-13	2.755E-14	6.678E-15	1.618E-15
-7.55044E-01	7.736E-12	1.946E-12	4.803E-12	1.774E-13	2.852E-14	6.915E-15	1.675E-15
-6.17876E-01	8.101E-12	2.032E-12	5.230E-12	2.028E-13	2.943E-14	7.243E-15	1.755E-15
-4.58017E-01	8.582E-12	2.158E-12	5.329E-12	2.166E-13	3.166E-14	7.676E-15	1.869E-15
-2.81605E-01	9.244E-12	2.315E-12	5.715E-12	2.397E-13	3.396E-14	8.234E-15	1.996E-15
-9.50125E-02	9.990E-12	2.512E-12	6.022E-12	2.616E-13	3.685E-14	8.938E-15	2.166E-15
9.50125E-02	1.0998E-11	2.766E-12	6.813E-12	1.665E-13	4.049E-14	9.821E-15	2.381E-15
2.81605E-01	1.222E-11	3.076E-12	7.577E-12	1.852E-13	4.903E-14	1.093E-14	2.649E-15
4.58017E-01	1.378E-11	3.460E-12	8.537E-12	2.087E-13	5.075E-14	1.232E-14	2.988E-15
6.17876E-01	1.576E-11	3.953E-12	9.751E-12	2.384E-13	5.799E-14	1.408E-14	3.418E-15
7.55044E-01	1.829E-11	4.583E-12	1.130E-12	2.762E-13	6.723E-14	1.634E-14	3.707E-15
8.65631E-01	2.162E-11	5.455E-12	1.331E-12	3.253E-13	7.922E-14	1.926E-14	4.084E-15
9.44575E-01	2.618E-11	6.000E-12	1.600E-12	4.933E-13	9.98E-14	2.308E-14	5.614E-15
9.89401E-01	3.466E-11	8.419E-12	2.034E-12	4.936E-13	1.182E-13	2.852E-14	6.899E-15
TOTAL	1.537E-10	3.853E-11	5.498E-12	2.320E-12	5.644E-13	1.369E-13	3.320E-14
CUSINE	3800.0	4000.0	4200.0	RANGE (METERS)	4400.0	4600.0	4800.0
				4000.C			
-1.0000E+00	6.041E-16	2.349E-16	9.142E-16	3.654E-17	1.364E-17	4.654E-18	4.654E-18
9.89401E-01	6.090E-16	2.359E-16	9.169E-16	3.659E-17	1.369E-17	4.674E-18	4.674E-18
-9.44575E-01	6.139E-16	2.388E-16	9.290E-16	3.681E-17	1.388E-17	4.760E-18	4.760E-18
-8.65631E-01	6.288E-16	2.445E-16	9.516E-16	3.701E-17	1.423E-17	4.922E-18	4.922E-18
-7.55044E-01	6.512E-16	2.533E-16	9.655E-16	3.834E-17	1.477E-17	5.165E-18	5.165E-18
-6.17876E-01	6.822E-16	2.653E-16	1.033E-16	4.018E-17	1.550E-17	5.500E-18	5.500E-18
-4.58017E-01	7.221E-16	2.813E-16	1.095E-16	4.261E-17	1.647E-17	5.934E-18	5.934E-18
-2.81605E-01	7.759E-16	3.018E-16	1.175E-16	4.574E-17	1.771E-17	6.476E-18	6.476E-18
-9.50125E-02	8.424E-16	3.277E-16	1.276E-16	4.938E-17	1.926E-17	7.129E-18	7.129E-18
9.50125E-02	9.259E-16	3.603E-16	1.403E-16	5.464E-17	2.121E-17	7.928E-18	7.928E-18
2.81605E-01	1.031E-15	4.611E-16	1.562E-16	6.087E-17	2.366E-17	8.914E-18	8.914E-18
4.58017E-01	1.163E-15	4.527E-16	1.764E-16	6.877E-17	2.676E-17	1.015E-17	1.015E-17
6.17876E-01	1.231E-15	5.195E-16	2.022E-16	7.897E-17	3.073E-17	1.173E-17	1.173E-17
7.55044E-01	1.547E-15	6.036E-16	2.253E-16	9.187E-17	3.584E-17	1.375E-17	1.375E-17
8.65631E-01	1.826E-15	7.125E-16	2.782E-16	1.087E-16	4.248E-17	1.638E-17	1.638E-17
9.44575E-01	2.139E-15	8.542E-16	3.336E-16	1.304E-16	5.699E-17	1.972E-17	1.972E-17
9.89401E-01	2.679E-15	1.042E-15	4.059E-16	1.533E-16	6.172E-17	2.388E-17	2.388E-17
TOTAL	1.292E-14	5.036E-15	1.960E-15	7.641E-16	2.968E-16	1.109E-16	

PI R**2 AIR KERMA (NEUTRONS)
(CM**2 ERG/GRAM/STERADIAN/SOURCE NEUTRON)

FISSION SOURCE

COSINE	1800.0	2100.0	2400.0	RANGE (METERS) 2700.0	3000.0	3300.0	3600.0
-1.00000E 00	9.589E-12	2.421E-12	5.977E-13	1.457E-13	3.528E-14	8.516E-15	2.055E-15
-9.894C1E-01	9.611E-12	2.427E-12	5.990E-13	1.460E-13	3.536E-14	8.536E-15	2.059E-15
-9.4575E-01	9.704E-12	2.456E-12	6.049E-13	1.475E-13	3.571E-14	8.621E-15	2.060E-15
-8.6631E-01	9.677E-12	2.490E-12	6.158E-13	1.5C1E-13	3.636E-14	8.778E-15	2.118E-15
-7.5044E-01	1.014E-11	2.566E-12	6.320E-13	1.554E-13	3.733E-14	9.015E-15	2.176E-15
-6.1876E-01	1.049E-11	2.650E-12	6.544E-13	1.596E-13	3.867E-14	9.342E-15	2.255E-15
-4.58017E-01	1.096E-11	2.768E-12	6.837E-13	1.668E-13	4.043E-14	9.770E-15	2.356E-15
-2.816C5E-C1	1.156E-11	2.919E-12	7.212E-13	1.760E-13	4.268E-14	1.032E-14	2.493E-15
-9.50125E-C2	1.156E-11	2.919E-12	7.692E-13	1.876E-13	4.551E-14	1.101E-14	2.664E-15
9.50125E-02	1.324E-11	3.346E-12	8.271E-13	2.021E-13	4.905E-14	1.188E-14	2.874E-15
2.81605E-01	1.442E-11	3.644E-12	9.012E-13	2.203E-13	5.353E-14	1.297E-14	3.148E-15
4.58017E-01	1.593E-11	4.025E-12	9.960E-13	2.437E-13	5.929E-14	1.439E-14	3.491E-15
6.1876E-01	1.791E-11	4.523E-12	1.120E-12	2.744E-13	6.686E-14	1.626E-14	3.952E-15
7.50444E-C1	2.056E-11	5.199E-12	1.519E-12	3.154E-13	7.700E-14	1.876E-14	4.513E-15
8.6631E-01	2.426E-11	6.110E-12	1.514E-12	3.717E-13	9.089E-14	2.219E-14	5.421E-15
9.4575E-01	2.969E-11	7.439E-12	1.838E-12	4.508E-13	1.102E-13	2.692E-14	6.579E-15
9.88401E-01	4.611E-11	9.875E-12	2.390E-12	5.774E-13	1.396E-13	3.379E-14	8.1985E-15
TOTAL	1.8395E-10	4.035E-11	1.1456E-11	2.800E-12	6.807E-13	1.651E-13	4.004E-14
COSINE	3800.0	4000.0	4200.0	RANGE (METERS) 4400.0	4600.0	4800.0	
-1.00000E 00	7.965E-16	3.090E-16	1.199E-16	4.653E-17	1.784E-17	6.114E-17	
-9.894C1E-01	7.983E-16	3.097E-16	1.202E-16	4.654E-17	1.788E-17	6.135E-18	
-9.4575E-01	8.063E-16	3.128E-16	1.214E-16	4.11E-17	1.808E-17	6.221E-18	
-8.6631E-01	8.212E-16	3.168E-16	1.232E-16	4.800E-17	1.844E-17	6.384E-18	
-7.50444E-01	8.436E-16	3.273E-16	1.271E-16	4.934E-17	1.897E-17	6.626E-18	
-6.1876E-C1	8.746E-16	3.394E-16	1.318E-16	5.119E-17	1.972E-17	6.966E-18	
-4.58017E-C1	9.153E-16	3.553E-16	1.380E-16	5.632E-17	2.069E-17	7.404E-18	
-2.81605E-01	9.676E-16	3.757E-16	1.460E-16	5.676E-17	2.193E-17	7.951E-18	
-9.50125E-02	1.033E-15	4.015E-16	1.561E-16	6.071E-17	2.349E-17	8.6C9E-18	
9.50125E-C2	1.110E-15	4.340E-16	1.688E-16	6.571E-17	2.547E-17	9.426E-18	
2.81605E-01	1.222E-15	4.754E-16	1.851E-16	7.211E-17	2.799E-17	1.045E-17	
4.58017E-01	1.359E-15	5.292E-16	2.063E-16	8.046E-17	3.13CE-17	1.178E-17	
6.1876E-01	1.540E-15	6.008E-16	2.345E-16	9.162E-17	3.572E-17	1.354E-17	
7.50444E-01	1.785E-15	6.975E-16	2.728E-16	1.067E-16	4.171E-17	1.593E-17	
8.6631E-01	2.140E-15	8.293E-16	3.249E-16	1.274E-16	4.989E-17	1.919E-17	
9.4575E-01	2.574E-15	1.008E-15	3.951E-16	1.556E-16	6.077E-17	2.349E-17	
9.88401E-01	3.195E-15	1.246E-15	4.869E-16	1.904E-16	7.449E-17	2.881E-17	
TOTAL	1.558E-14	6.666E-15	2.364E-15	9.217E-16	3.579E-16	1.328E-16	

$^{40}\text{P}\text{t}$ R**2 IONIZING SILICON KERMA (NEUTRONS)
 fcm^{**2} ERGS/GRAM/SERIALIC SOURCE NEUTRONS

FISSION SOURCE

COSINE	180.0	210.0	240.0	RANGE (METERS)	300.0	330.0	360.0
-1.00000E-06	4.746E-15	1.197E-15	2.968E-14	7.784E-15	1.784E-15	4.353E-16	1.022E-16
-9.89401E-01	4.762E-13	1.261E-13	2.978E-14	7.319E-15	1.792E-15	4.369E-16	1.006E-16
-9.44575E-01	4.833E-13	1.219E-13	3.023E-14	7.431E-15	1.818E-15	4.437E-16	1.083E-16
-8.65631E-01	4.966E-13	1.253E-13	3.108E-14	7.600E-15	1.869E-15	4.564E-16	1.114E-16
-7.55044E-01	5.655E-13	1.304E-13	3.235E-14	7.936E-15	1.947E-15	4.756E-16	1.161E-16
-6.17870E-01	5.445E-13	1.375E-13	3.414E-14	8.446E-15	2.057E-15	5.627E-16	1.228E-16
-4.58017E-01	5.822E-13	1.471E-13	3.655E-14	9.036E-15	2.266E-15	5.394E-16	1.319E-16
-2.81605E-01	6.320E-13	1.598E-13	3.973E-14	9.792E-15	2.402E-15	5.879E-16	1.438E-16
-9.50125E-02	6.900E-13	1.761E-13	4.382E-14	1.081E-14	2.654E-15	6.504E-16	1.593E-16
9.50155E-02	7.777E-13	1.969E-13	4.906E-14	1.222E-14	2.979E-15	7.312E-16	1.794E-16
2.81605E-01	8.831E-13	2.239E-13	5.588E-14	1.382E-14	3.407E-15	8.382E-16	2.066E-16
4.58017E-01	1.624E-12	2.603E-13	6.519E-14	1.617E-14	3.999E-15	9.875E-16	2.438E-16
6.17870E-01	1.224E-12	3.121E-13	7.846E-14	1.938E-14	4.866E-15	1.208E-15	3.000E-16
7.55044E-01	1.520E-12	2.895E-13	9.849E-14	2.473E-14	6.189E-15	1.547E-15	3.867E-16
8.65631E-01	1.982E-12	1.745E-13	1.298E-13	3.219E-14	8.261E-15	2.078E-15	5.244E-16
9.44575E-01	2.749E-12	7.075E-13	1.801E-13	4.501E-14	1.152E-14	2.905E-15	7.326E-16
9.89401E-01	4.533E-12	1.123E-12	2.772E-13	6.857E-14	1.695E-14	4.221E-15	1.051E-15
TOTAL	1.2066E-11	3.064E-12	7.675E-13	1.969E-13	4.732E-14	1.172E-14	2.901E-15
COSINE	380.0	400.0	420.0	RANGE (METERS)	440.0	460.0	480.0
-1.00000E-06	4.148E-17	1.621E-17	6.336E-18	2.475E-18	9.535E-19	3.252E-19	
-9.89401E-01	4.153E-17	1.627E-17	6.360E-18	2.484E-18	9.572E-19	3.268E-19	
-9.44575E-01	4.238E-17	1.652E-17	6.461E-18	2.524E-18	9.355E-19	3.341E-19	
-8.65631E-01	4.381E-17	1.701E-17	6.650E-18	2.618E-18	1.004E-18	3.477E-19	
-7.55044E-01	4.531E-17	1.774E-17	6.939E-18	2.713E-18	1.056E-18	3.686E-19	
-6.17870E-01	4.801E-17	1.878E-17	7.347E-18	2.875E-18	1.116E-18	3.981E-19	
-4.58017E-01	5.157E-17	2.618E-17	7.9C2E-18	3.099E-18	1.204E-18	4.378E-19	
-2.81605E-01	5.600E-17	2.205E-17	8.638E-18	3.385E-18	1.32CE-18	4.889E-19	
-9.5C125E-02	9.241E-17	2.446E-17	9.591E-18	3.762E-18	1.47CE-18	5.525E-19	
9.50125E-02	7.055E-17	2.760E-17	1.064E-17	4.256E-18	1.667E-18	6.334E-19	
2.81605E-01	8.08E-17	3.182E-17	1.252E-17	4.924E-18	1.934E-18	7.419E-19	
4.58017E-01	9.60E-17	3.783E-17	1.492E-17	5.866E-18	2.319E-18	8.978E-19	
6.17870E-01	1.186E-16	4.689E-17	1.655E-17	7.348E-18	2.807E-18	1.136E-18	
7.55044E-01	1.532E-16	6.098E-17	2.424E-17	9.638E-18	3.831E-18	1.509E-18	
8.65631E-01	2.084E-16	6.312E-17	3.316E-17	1.324E-17	5.281E-18	2.094E-18	
9.44575E-01	2.92E-16	1.168E-16	4.667E-17	1.865E-17	7.451E-18	2.964E-18	
9.89401E-01	4.165E-16	1.652F-16	6.559E-17	2.607E-17	1.C36E-17	4.1C9E-18	
TOTAL	1.144E-15	4.518E-16	1.785E-16	7.052E-17	2.7d0E-17	1.066E-17	

4 PI R**2 NEN IGNIZING SILICON KERMA (NEUTRONS)
(CM**2 ERGS/GRAM/STERADIEN/SOURCE NEUTRONS)

FISSION SOURCE

COSINE	180.0	2100.0	2400.0	RANGE (METERS)	2700.0	3000.0	3300.0	3600.0
-1.00000E+00	7.031E-13	1.772E-13	4.375E-14	1.070E-14	2.663E-15	6.322E-16	1.536E-16	
-9.89401E-01	7.074E-13	1.775E-13	4.390E-14	1.074E-14	2.615E-15	6.350E-16	1.51E-16	
-9.44575E-01	7.175E-13	1.803E-13	4.453E-14	1.090E-14	2.652E-15	6.441E-16	1.563E-16	
-8.65631E-01	7.366E-13	1.851E-13	4.571E-14	1.119E-14	2.723E-15	6.613E-16	1.605E-16	
-7.55044E-01	7.651E-13	1.923E-13	4.749E-14	1.162E-14	2.829E-15	6.871E-16	1.668E-16	
-6.17876E-01	8.049E-13	2.023E-13	4.997E-14	1.223E-14	2.977E-15	7.231E-16	1.755E-16	
-4.58017E-01	8.576E-13	2.156E-13	5.325E-14	1.303E-14	3.172E-15	7.705E-16	1.876E-16	
-2.81605E-01	9.261E-13	2.328E-13	5.750E-14	1.407E-14	3.426E-15	8.320E-16	2.019E-16	
-9.50125E-02	1.013E-12	2.546E-13	6.29CE-14	1.539E-14	3.746E-15	9.09E-16	2.08E-16	
9.50125E-02	1.124E-12	2.823E-13	6.970E-14	1.05E-14	4.151E-15	1.006E-15	2.447E-16	
2.81605E-01	1.263E-12	3.17CE-13	7.626E-14	1.914E-14	4.659E-15	1.31E-15	2.746E-16	
4.58017E-01	1.428E-12	3.609E-13	8.965E-14	2.178E-14	5.30CE-15	1.286E-15	3.125E-16	
6.17876E-01	1.662E-12	4.166E-13	1.627E-13	2.512E-14	6.113E-15	1.48E-15	3.606E-16	
7.55044E-01	1.949E-12	4.876E-13	1.202E-13	2.938E-14	7.151E-15	1.73E-15	4.222E-16	
8.65631E-01	2.366E-12	5.807E-13	1.429E-13	3.668E-14	8.498E-15	2.666E-15	5.021E-16	
9.44575E-01	2.843E-12	7.667E-13	1.735E-13	4.231E-14	1.029E-14	2.499E-15	6.074E-16	
9.89401E-01	3.817E-12	9.273E-13	2.241E-13	5.402E-14	1.3C2E-14	3.139E-15	7.582E-16	
TOTAL	1.593E-11	3.990E-12	9.835E-13	2.404E-13	5.848E-14	1.420E-14	3.447E-15	

COSINE	3800.0	4000.0	RANGE (METERS)	4200.0	4400.0	4600.0	4800.0
-1.00000E+00	5.978E-17	2.328E-17	9.067E-18	3.522E-18	1.355E-18	4.669E-19	
-9.69401E-01	5.998E-17	2.335E-17	9.097E-18	3.541E-18	1.366E-18	4.631E-19	
-9.44575E-01	6.085E-17	2.369E-17	9.229E-18	3.592E-18	1.381E-18	4.725E-19	
-8.65631E-01	6.247E-17	2.432E-17	9.475E-18	3.689E-18	1.420E-18	4.901E-19	
-7.55044E-01	6.491E-17	2.527E-17	9.845E-18	3.834E-18	1.478E-18	5.167E-19	
-6.17876E-01	6.836E-17	2.659E-17	1.036E-17	4.035E-18	1.559E-18	5.534E-19	
-4.58017E-01	7.279E-17	2.834E-17	1.104E-17	4.301E-18	1.665E-18	6.010E-19	
-2.81605E-01	7.866E-17	3.06CE-17	1.192E-17	4.646E-18	1.801E-18	6.606E-19	
-9.50125E-02	8.598E-17	3.347E-17	1.301E-17	5.082E-18	1.972E-18	7.321E-19	
9.50125E-02	9.525E-17	3.706E-17	1.445E-17	5.632E-18	2.188E-18	8.211E-19	
2.81605E-01	1.059E-16	4.163E-17	1.622E-17	6.325E-18	2.466E-18	9.306E-19	
4.58017E-01	1.216E-16	4.738E-17	1.844E-17	7.4203E-18	2.804E-18	1.088E-18	
6.17876E-01	1.404E-16	5.471E-17	2.133E-17	8.325E-18	3.244E-18	1.244E-18	
7.55044E-01	1.665E-16	6.412E-17	2.501E-17	9.706E-18	3.810E-18	1.666E-18	
8.65631E-01	1.951E-16	7.632E-17	2.970E-17	1.164E-17	4.545E-18	1.755E-18	
9.44575E-01	2.367E-16	9.231E-17	3.601E-17	1.407E-17	5.496E-18	2.129E-18	
9.89401E-01	2.944E-16	1.144E-16	4.451E-17	1.734E-17	6.754E-18	2.614E-18	
TOTAL	1.362E-15	5.228E-15	2.638E-15	7.947E-17	3.689E-17	1.157E-17	

4 PI R**2 HENDERSON DOSE (GAMMAS)
(CH**2 RAD/STERDIAN/SOURCE NEUTRIN)

Fission Source

COSINE	180C.C	210C.C	2400.0	RANGE (METERS) 2760.0	3000.0	3300.0	3600.0
-1.0000E+00	3.651E-14	9.958E-15	3.282E-15	1.096E-15	3.746E-16	1.294E-16	4.508E-17
-9.89401E-01	3.358E-14	1.170E-14	4.199E-15	1.565E-15	6.655E-16	2.427E-16	9.990E-17
-9.44575E-01	4.262E-14	1.690E-14	7.014E-15	1.344E-15	1.344E-16	2.751E-16	
-8.6531E-01	5.310E-14	2.208E-14	9.525E-15	4.243E-15	1.949E-15	9.49E-16	4.228E-16
-7.55044E-01	6.021E-14	2.584E-14	1.149E-14	5.284E-15	2.442E-15	1.137E-15	5.308E-16
-6.17876E-01	5.947E-14	2.405E-14	1.093E-14	4.033E-14	8.893E-16	4.680E-16	
-4.58017E-01	5.863E-14	2.259E-14	8.886E-15	3.707E-15	1.593E-15	7.042E-16	3.153E-16
-2.81605E-01	6.596E-14	2.498E-14	1.612E-14	4.225E-15	1.827E-15	8.085E-16	3.638E-16
-9.50125E-01	8.361E-14	5.250E-14	1.364E-14	5.931E-15	2.661E-15	1.236E-15	5.709E-16
9.50125E-02	1.134E-13	4.615E-14	1.954E-14	8.660E-15	2.954E-15	1.802E-15	8.419E-16
2.81605E-01	1.516E-13	6.126E-14	2.598E-14	1.142E-14	5.154E-15	2.363E-15	1.098E-15
4.58017E-01	2.051E-13	7.899E-14	3.114E-14	1.267E-14	5.254E-15	2.232E-15	9.706E-16
6.17876E-01	2.178E-13	4.531E-14	1.781E-14	7.175E-15	2.927E-15	1.216E-15	
7.55044E-01	5.909E-13	2.368E-13	9.332E-14	3.793E-14	1.295E-14	6.944E-15	3.130E-15
8.6531E-01	1.281E-12	5.633E-13	2.434E-13	1.056E-13	4.634E-14	2.060E-14	9.232E-15
9.44575E-01	2.869E-12	1.398E-12	6.600E-13	3.063E-13	1.411E-13	6.486E-14	2.987E-14
9.89401E-01	5.970E-12	3.219E-12	1.665E-12	8.369E-13	4.125E-13	2.604E-13	9.645E-14
TOTAL	4.587E-12	2.092E-12	9.544E-13	4.371E-13	2.012E-13	9.299E-14	4.315E-14
COSINE	3800.0	4000.0	RANGE (METERS) 4200.0	4400.0	4600.0	4800.0	
-1.0000E+00	2.243E-17	1.135E-17	6.121E-18	4.004E-18	3.585E-18	3.367E-18	
-9.89401E-01	5.694E-17	3.187E-17	1.856E-17	1.040E-17	7.746E-18	5.287E-18	
-9.44575E-01	1.638E-16	9.784E-17	5.868E-17	3.539E-17	2.137E-17	1.176E-17	
-8.6531E-01	2.551E-16	1.544E-16	9.320E-17	5.634E-17	3.366E-17	1.796E-17	
-7.55044E-01	3.189E-16	1.914E-16	1.153E-16	6.908E-17	4.008E-17	2.074E-17	
-6.17876E-01	4.177E-16	1.465E-16	8.767E-17	5.241E-17	3.135E-17	1.724E-17	
-4.58017E-01	1.859E-16	1.099E-16	6.512E-17	3.867E-17	2.299E-17	1.329E-17	
-2.81605E-01	2.141E-16	1.270E-16	7.552E-17	4.503E-17	2.687E-17	1.580E-17	
-9.50125E-02	3.433E-16	2.066E-16	1.245E-16	7.511E-17	4.528E-17	2.629E-17	
9.50125E-02	5.036E-16	3.070E-16	1.366E-16	1.128E-16	6.829E-17	4.158E-17	
2.81605E-01	6.607E-16	3.980E-16	2.384E-16	1.437E-16	8.665E-17	5.151E-17	
4.58017E-01	5.633E-16	3.293E-16	1.946E-16	1.045E-16	6.785E-17	3.964E-17	
6.17876E-01	6.846E-16	3.880E-16	2.221E-16	1.278E-16	7.386E-17	4.233E-17	
7.55044E-01	1.840E-15	1.085E-15	6.411E-16	3.804E-16	2.263E-16	1.346E-16	
8.6531E-01	5.473E-15	3.266E-15	1.958E-15	1.178E-15	7.111E-16	4.298E-16	
9.44575E-01	1.782E-14	1.066E-14	6.384E-15	3.834E-15	2.307E-15	1.391E-15	
9.89401E-01	5.903E-14	3.606E-14	2.199E-14	1.340E-14	8.162E-15	4.970E-15	
TOTAL	2.592E-14	1.5559E-14	9.391E-15	5.665E-15	3.419E-15	2.057E-15	

(CH**4 PI R**2 CONCRETE KERMA (GAMMAS) (CH**2 ERGS/GRAM/STERADIAN/SOURCE NEUTRON)

FISSION SOURCE

COSINE	180.0	2100.0	2400.0	RANGE (METERS)	3000.0	3300.0	3600.0
				2700.0			
-1.00000E+00	4.948E-12	1.897E-12	7.495E-13	3.053E-13	1.279E-13	5.473E-13	2.384E-14
-9.89401E-01	5.251E-12	2.069E-12	8.406E-13	3.513E-13	1.508E-13	6.594E-13	2.926E-14
-9.44575E-01	6.149E-12	2.573E-12	1.119E-12	4.968E-13	2.235E-15	1.017E-13	4.664E-14
-8.65631E-01	7.200E-12	3.106E-12	1.371E-12	6.178E-13	2.843E-13	1.318E-13	6.144E-14
-7.55444E-01	7.935E-12	3.486E-12	1.433E-12	6.235E-13	3.344E-13	1.554E-13	7.244E-14
-6.17876E-01	7.913E-12	3.334E-12	1.433E-12	6.382E-13	2.888E-13	1.320E-13	6.073E-14
-4.58017E-01	7.859E-12	3.190E-12	1.337E-12	5.783E-13	2.557E-13	1.147E-13	5.203E-14
-2.81605E-01	8.666E-12	3.48CE-12	1.470E-12	6.340E-13	2.804E-13	1.259E-13	5.719E-14
-9.50125E-02	1.046E-11	4.247E-12	1.827E-12	8.071E-13	3.648E-13	1.691E-13	7.816E-14
9.50125E-02	1.346E-11	5.616E-12	2.419E-12	1.980E-12	4.936E-13	2.255E-13	1.051E-13
2.81605E-01	1.729E-11	7.131E-12	3.665E-12	1.358E-12	6.148E-13	2.822E-13	1.310E-13
4.58017E-01	2.464E-11	8.897E-12	3.582E-12	1.494E-12	2.69E-13	1.196E-13	1.196E-13
6.17876E-01	3.339E-11	1.274E-11	4.960E-12	1.980E-12	8.911E-13	3.350E-13	1.410E-13
7.55044E-01	6.033E-11	2.414E-11	9.631E-12	3.27E-12	1.655E-12	7.215E-13	3.256E-13
8.65631E-01	1.286E-10	5.633E-11	2.417E-11	4.054E-11	4.618E-12	9.176E-13	2.941E-13
9.44575E-01	2.841E-10	1.392E-10	6.544E-11	3.043E-11	1.400E-11	6.433E-12	2.961E-12
9.89401E-01	5.958E-10	3.214E-10	1.664E-10	8.373E-11	4.130E-11	2.011E-11	9.689E-12
TOTAL	-8.111E-10	2.197E-10	1.003E-10	4.5594E-11	2.114E-11	9.773E-12	4.5366E-12
COSINE	3800.0	4000.0	RANGE (METERS)	4200.0	4400.0	4600.0	4800.0
				4000.0			
-1.00000E+00	1.381E-14	8.061E-15	4.761E-15	2.883E-15	1.819E-15	1.078E-15	1.078E-15
-9.89401E-01	1.714E-14	1.610E-14	5.995E-15	3.617E-15	2.233E-15	1.27CE-15	1.27CE-15
-9.44575E-01	2.781E-14	1.665E-14	9.894E-15	6.065E-15	3.591E-15	1.914E-15	1.914E-15
-8.65631E-01	3.697E-14	2.228E-14	1.344E-14	8.105E-15	4.827E-15	2.553E-15	2.553E-15
-7.55444E-01	4.345E-14	2.616E-14	1.571E-14	9.412E-15	5.492E-15	2.860E-15	2.860E-15
-6.17876E-01	3.633E-14	2.18CE-14	1.305E-14	7.831E-15	4.656E-15	2.533E-15	2.533E-15
-4.58017E-01	3.085E-14	1.833E-14	1.091E-14	6.503E-15	3.862E-15	2.171E-15	2.171E-15
-2.81605E-01	3.386E-14	2.615E-14	1.201E-14	7.174E-15	4.273E-15	2.443E-15	2.443E-15
-9.50125E-02	4.689E-14	2.817E-14	1.695E-14	1.621E-14	6.131E-15	3.512E-15	3.512E-15
9.50125E-02	6.331E-14	3.825E-14	2.316E-14	1.391E-14	8.431E-15	5.046E-15	5.046E-15
2.81605E-01	7.876E-14	4.746E-14	2.841E-14	1.711E-14	1.036E-14	6.070E-15	6.070E-15
4.58017E-01	6.922E-14	4.065E-14	2.407E-14	1.426E-14	8.429E-15	4.889E-15	4.889E-15
6.17876E-01	8.005E-14	4.571E-14	2.633E-14	1.522E-14	8.634E-15	5.038E-15	5.038E-15
7.55634E-01	1.912E-13	1.127E-13	6.656E-14	3.947E-14	2.346E-14	1.389E-14	1.389E-14
8.65631E-01	5.436E-13	3.241E-13	1.942E-13	1.68E-13	7.049E-14	4.255E-14	4.255E-14
9.44575E-01	1.707E-12	1.056E-12	6.327E-13	3.799E-13	2.287E-13	1.379E-13	1.379E-13
9.89401E-01	5.931E-12	3.630E-12	2.217E-12	1.052E-12	6.245E-13	5.026E-13	5.026E-13
TOTAL	2.725E-12	1.639E-12	9.874E-13	5.956E-13	3.594E-13	2.153E-13	2.153E-13

ICM**2 ERGS/GRAM/STERADIAN/SOURCE NEUTRON

FISSION SOURCE

COSINE	1800.0	2100.0	2400.0	RANGE (METERS)	3600.0	3900.0	3900.0
				27CC.C			
-1.00000E+00	1.737E-11	7.813E-12	3.520E-12	1.593E-12	7.25CE-13	3.315E-13	1.523E-13
-9.89401E-01	1.767E-11	7.981E-12	3.667E-12	1.637E-12	7.469E-13	3.422E-13	1.574E-13
-9.44575E-01	1.859E-11	8.488E-12	3.883E-12	1.780E-12	8.176E-13	3.768E-13	1.741E-13
-8.65631E-01	9.060E-11	9.153E-12	4.153E-12	1.905E-12	8.81E-13	4.894E-13	1.894E-13
-7.50444E-01	9.539E-11	9.539E-12	4.399E-12	2.033E-12	9.399E-13	4.354E-13	2.026E-13
-6.17876E-01	2.668E-11	9.569E-12	4.353E-12	1.991E-12	9.149E-13	4.217E-13	1.943E-13
-4.58017E-01	2.102E-11	9.659E-12	4.359E-12	1.981E-12	9.154E-13	4.154E-13	1.913E-13
-2.81662E-01	2.145E-11	9.65CE-12	4.359E-12	1.981E-12	9.525E-13	4.369E-13	2.612E-13
-9.50125E-02	2.500E-11	1.017E-11	4.599E-12	2.680E-12	1.057E-12	4.886E-13	2.259E-13
9.50125E-02	2.847E-11	1.117E-11	5.059E-12	2.305E-12	1.057E-12	4.886E-13	2.570E-13
2.01605E-01	1.276E-11	1.276E-11	5.759E-12	2.624E-12	1.206E-12	5.544E-13	2.570E-13
4.58017E-01	1.454E-11	6.523E-12	6.523E-12	1.353E-12	6.681E-13	2.681E-13	2.681E-13
6.17876E-01	1.661E-11	7.205E-12	3.169E-12	1.446E-12	6.309E-13	2.856E-13	3.183E-13
7.50444E-01	2.090E-11	2.068E-11	8.726E-12	3.742E-12	1.636E-12	7.163E-13	3.183E-13
8.65631E-01	7.567E-11	3.176E-11	1.331E-11	5.672E-12	1.473E-12	5.016E-13	5.016E-13
9.44575E-01	1.394E-10	6.188E-11	2.711E-11	1.189E-11	5.264E-12	2.356E-12	1.662E-12
9.89401E-01	2.849E-10	1.380E-11	6.506E-11	3.014E-11	1.387E-11	6.376E-12	2.936E-12
	5.6566E-10	3.033E-10	1.5656E-10	7.832E-11	3.852E-11	1.869E-11	8.988E-12
TOTAL	6.463E-10	2.963E-10	1.374E-10	6.293E-11	2.898E-11	1.338E-11	6.204E-12
COSINE	3800.0	4000.0	4200.0	RANGE (METERS)	4400.0	4600.0	4800.0
				4CC.C			
-1.00000E+00	9.683E-14	5.428E-14	3.251E-14	1.953E-14	1.066E-14	6.175E-15	6.175E-15
-9.89401E-01	9.393E-14	5.621E-14	3.368E-14	2.022E-14	1.206E-14	6.366E-15	6.366E-15
-9.44575E-01	1.043E-13	6.249E-14	3.750E-14	2.251E-14	1.337E-14	7.020E-15	7.020E-15
-8.65631E-01	1.211E-13	6.824E-14	4.101E-14	2.464E-14	1.463E-14	8.189E-15	8.189E-15
-7.50444E-01	7.265E-13	4.364E-14	2.617E-14	2.617E-14	1.546E-14	8.142E-15	8.142E-15
-6.17876E-01	1.167E-13	7.001E-14	4.198E-14	2.517E-14	1.498E-14	8.0307E-14	8.0307E-14
-4.58017E-01	1.143E-13	6.840E-14	4.096E-14	2.454E-14	1.461E-14	8.094E-15	8.094E-15
-2.81662E-01	1.201E-13	7.188E-14	4.305E-14	2.580E-14	1.539E-14	8.669E-15	8.669E-15
-9.50125E-02	1.354E-13	8.117E-14	4.872E-14	2.926E-14	1.751E-14	9.531E-15	9.531E-15
9.50125E-02	1.542E-13	9.264E-14	5.569E-14	3.35CE-14	2.099E-14	1.167E-14	1.167E-14
2.81662E-01	1.727E-13	1.036E-13	6.207E-14	3.728E-14	2.235E-14	1.294E-14	1.294E-14
4.58017E-01	1.693E-13	1.006E-13	6.044E-14	3.584E-14	2.134E-14	1.234E-14	1.234E-14
6.17876E-01	1.864E-13	1.096E-13	6.469E-14	3.828E-14	2.266E-14	1.307E-14	1.307E-14
7.50444E-01	2.970E-13	1.762E-13	1.047E-13	6.239E-14	3.72CE-14	2.186E-14	2.186E-14
8.65631E-01	6.303E-13	3.762E-13	2.254E-13	1.355E-13	8.166E-13	4.892E-14	4.892E-14
9.44575E-01	1.752E-12	1.047E-12	6.272E-13	3.765E-13	2.265E-13	1.362E-13	1.362E-13
9.89401E-01	5.499E-12	3.358E-12	2.447E-12	1.247E-12	7.595E-13	4.021E-13	4.021E-13
TOTAL	3.719E-12	2.234E-12	1.343E-12	8.083E-13	4.858E-13	2.655E-13	2.655E-13

(CM**2 ERGS/GRAN/SFERADIAN/SOURCE NEUTRON)

FUSION SOURCE

COSINE	180C.0	210C.0	240C.0	RANGE (METERS)	360C.0	390C.0	360C.0
				270C.C			
-1.00000E+00	5.807E-12	2.290E-12	9.278E-13	3.861E-13	1.646E-13	7.149E-14	3.150E-14
-9.89401E-01	6.117E-12	2.466E-12	1.021E-12	4.335E-13	1.882E-13	8.301E-14	3.708E-14
-9.44575E-01	7.039E-12	2.984E-12	1.307E-12	5.830E-13	2.629E-13	1.198E-13	5.97E-14
-8.65631E-01	8.117E-12	3.531E-12	1.566E-12	7.073E-13	3.254E-13	1.508E-13	7.016E-14
-7.55044E-01	8.863E-12	3.917E-12	1.769E-12	8.151E-13	3.766E-13	1.748E-13	8.139E-14
-6.17876E-01	8.831E-12	3.757E-12	1.631E-12	7.264E-13	3.292E-13	1.506E-13	6.928E-14
-4.58017E-01	8.796E-12	3.601E-12	1.524E-12	6.632E-13	2.944E-13	1.324E-13	6.014E-14
-2.81665E-01	8.887E-12	3.887E-12	1.655E-12	7.179E-13	3.186E-13	1.434E-13	6.519E-14
-9.50125E-02	1.118E-11	4.662E-12	2.016E-12	8.931E-13	4.642E-13	1.872E-13	8.645E-14
9.50125E-02	1.442E-11	6.049E-12	2.615E-12	1.170E-12	5.346E-13	2.444E-13	1.138E-13
2.61605E-01	1.828E-11	7.575E-12	3.265E-12	1.449E-12	6.563E-13	3.613E-13	1.398E-13
4.58017E-01	2.365E-11	9.340E-12	3.773E-12	1.568E-12	6.629E-13	2.862E-13	1.266E-13
6.17876E-01	3.456E-11	1.321E-11	5.147E-12	2.057E-12	8.116E-13	3.487E-13	1.470E-13
7.55044E-01	6.219E-11	2.478E-11	9.880E-12	4.025E-12	1.695E-12	7.386E-13	3.327E-13
8.65631E-01	6.490E-10	5.767E-11	2.490E-11	4.078E-11	4.717E-12	2.092E-12	9.362E-13
9.44575E-01	2.933E-10	1.422E-10	6.726E-11	3.118E-11	1.435E-11	6.590E-12	3.033E-12
9.89401E-01	6.116E-10	3.301E-10	1.710E-10	8.607E-11	4.248E-11	2.068E-11	9.976E-12
TOTAL	5.000E-10	2.284E-10	1.043E-10	4.777E-11	2.198E-11	1.010E-11	4.717E-12
COSINE	380C.0	400C.0	420C.0	RANGE (METERS)	440C.0	460C.0	480C.0
				400C.C			
-1.00000E+00	1.837E-14	1.67E-14	6.382E-15	3.852E-15	2.399E-15	1.403E-15	1.661E-15
-9.89401E-01	2.180E-14	1.287E-14	7.652E-15	4.669E-15	2.825E-15	1.825E-15	2.265E-15
-9.44575E-01	3.281E-14	1.962E-14	1.176E-14	7.069E-15	4.225E-15	2.425E-15	2.655E-15
-8.65631E-01	4.220E-14	2.542E-14	1.532E-14	9.232E-15	6.176E-15	3.223E-15	4.971E-15
-7.55044E-01	4.886E-14	2.932E-14	1.764E-14	1.057E-14	5.905E-15	3.364E-15	2.887E-15
-6.17876E-01	4.444E-14	2.485E-14	1.488E-14	8.988E-15	4.472E-15	2.503E-15	2.770E-15
-4.58017E-01	3.569E-14	2.122E-14	1.264E-14	8.189E-15	4.874E-15	2.857E-15	3.857E-15
-2.81665E-01	3.863E-14	2.3C0E-14	1.371E-14	8.189E-15	4.874E-15	2.770E-15	3.857E-15
-9.50125E-01	5.188E-14	3.116E-14	1.873E-14	1.128E-14	6.767E-15	3.857E-15	3.857E-15
9.50125E-02	6.859E-14	4.138E-14	2.498E-14	1.510E-14	9.1C4E-15	5.417E-15	5.417E-15
2.81665E-01	8.05E-14	5.058E-14	3.032E-14	1.826E-14	1.098E-14	6.444E-15	6.444E-15
4.58017E-01	7.360E-14	4.325E-14	2.561E-14	1.517E-14	8.967E-15	5.172E-15	5.172E-15
6.17876E-01	8.344E-14	4.766E-14	2.745E-14	1.588E-14	9.204E-15	5.216E-15	5.216E-15
7.55044E-01	1.955E-13	1.152E-13	6.8C3E-14	4.032E-14	2.395E-14	1.414E-14	1.414E-14
8.65631E-01	5.545E-13	3.306E-13	1.981E-13	1.192E-13	7.188E-14	4.335E-14	4.335E-14
9.44575E-01	1.610E-12	1.082E-12	6.482E-13	3.893E-13	2.343E-13	1.413E-13	1.413E-13
9.89401E-01	6.115E-12	3.741E-12	2.285E-12	1.395E-12	8.507E-13	5.186E-13	5.186E-13
TOTAL	2.634E-12	1.705E-12	1.127E-12	6.195E-13	3.736E-13	2.236E-13	2.236E-13