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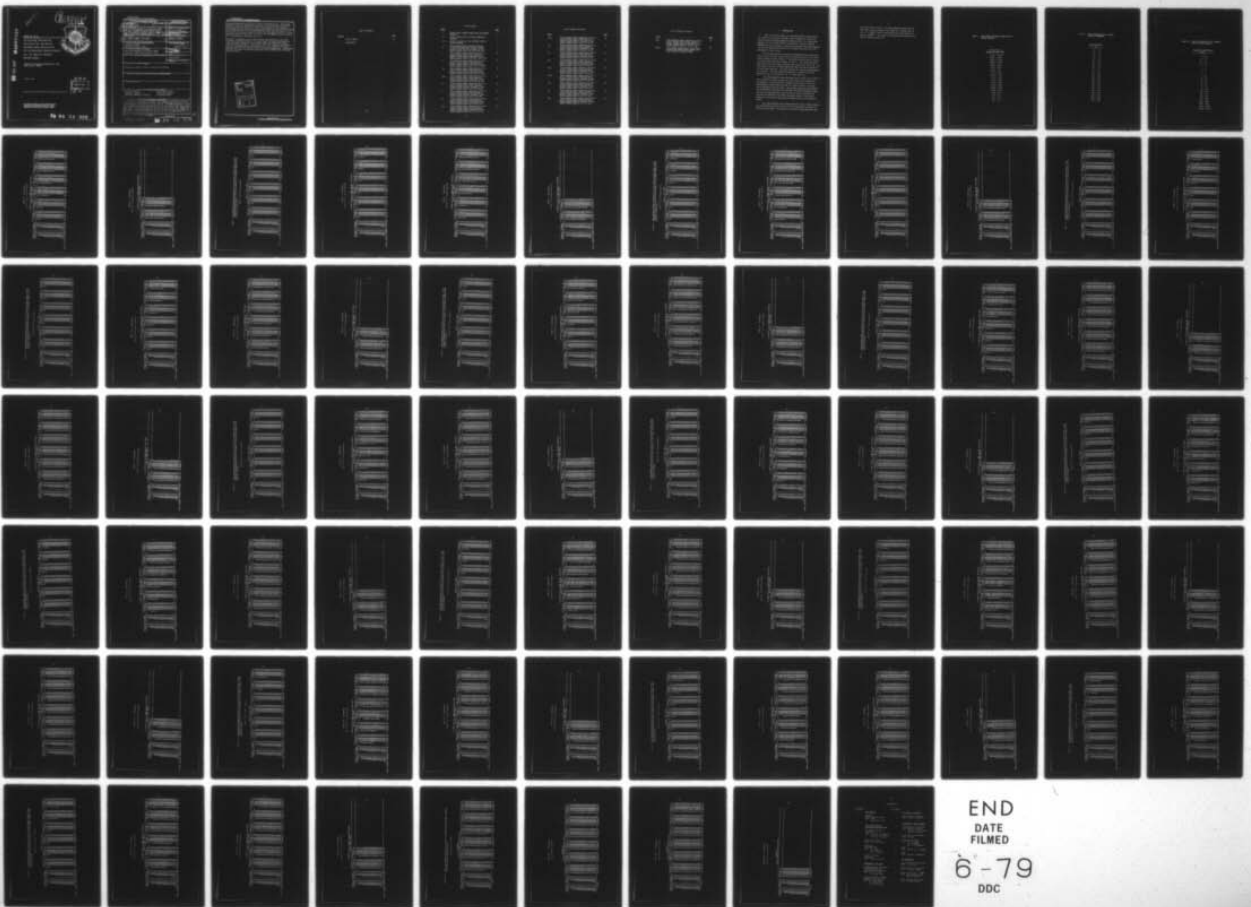
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CALCULATIONAL PROCEDURE FOR
EVALUATING TIME- AND SPATIAL-
DEPENDENT ENERGY DEPOSITION IN
AIR FOR ANISOTROPIC NUCLEAR SOURCES:
VOL. III, DATA FOR ISOTROPIC
NEUTRON SOURCES



Radiation Research Associates, Inc.
Fort Worth, Texas

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20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This report describes the RENDER calculational procedure that was developed for use in evaluating the spatial- and time-dependent energy deposition in air produced by anisotropic nuclear sources. The RENDER procedure utilizes nuclear energy deposition data generated for conical sources that were originally computed for line-beam sources through use of the ZAP, ZAPN, ZAPGAM and DEPO codes. The energy deposition data for air that are input to RENDER were generated for neutron and gamma-ray sources and for secondary gamma rays re-			

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sulting from neutron capture and inelastic scattering in air. The energy deposition data for line-beam sources and for point isotropic sources were found to compare favorably with similar data reported in the literature. The RENDER procedure was run utilizing energy deposition data from the conical source-data base for a 9-to-10-MeV gamma-ray source and the results of the convolution over source emission direction and time were found to be in good agreement with the input data, indicating that the RENDER procedure performs the time-and-angle convolution correctly.

Volumes II through IV of this report present tabulated data on the time-dependent energy deposition in air versus range for neutron and gamma-ray point isotropic sources and for secondary gamma rays generated by point isotropic neutron sources. Also given in Vol. V are curve-fit coefficients for use in computing the energy deposition in air vs distance and source emission angle for line-beam sources of neutrons and gamma rays. Coefficient data are also given for secondary gamma-ray energy deposition by line-beam neutron sources.

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I. INTRODUCTION

This is the third volume of a five-volume report which presents the results of an extensive parameter study on gamma ray, neutron and neutron-produced secondary gamma-ray energy deposition in a homogeneous medium of air ($\rho=1.225 \times 10^{-3} \text{ g/cm}^3$) and describes a computer procedure (RENDER) which was developed to utilize the parametric data when computing the time and spatial distributions of the energy deposition in air for anisotropic nuclear sources.

This volume presents calculated time-dependent energy deposition data for point isotropic neutron sources emitting radiation in the source energy intervals listed in Table I. The radial intervals used in storing the energy deposition data are given in Table II. The delay time intervals used to store the energy deposition data are given in Table III. The delay time is the time of energy deposition minus the time of arrival of the uncollided radiation. All source photons were emitted instantaneously by the source. The calculational methods used to compute the energy deposition data are described in Vol. I of this report.

The time-dependent energy deposition data in units of $\text{keV m}^{-3} \text{ sec}^{-1}$ /source neutron vs radial distance are given in Tables IV through XXII. The numbers at the bottom of each column in these tables are the total time-dependent energy deposition (keV sec^{-1} /source neutron) occurring within 1500 meters from the source. The energy deposition data includes the contribution by neutrons that underwent first-order scattering events within the energy deposition volume as well as those contributions by neutrons that underwent first-order scattering outside of the energy deposition volume before scattering and losing energy in the deposition volume.

The time-integrated total energy deposition data vs radial distance and source-energy interval are also listed in Table XXIII for point-isotropic neutron sources. The units for the neutron energy deposition data

are $\text{keV m}^{-3}/\text{source neutron}$. The energy deposition data given in Table XXIII can be converted to air kerma rate (exposure rate in air, $\rho = 1.225 \times 10^{-3} \text{ g/cm}^3$) by multiplying the energy deposition data by 4.708×10^{11} . The units of the resulting air kerma rate are $\text{rad hr}^{-1}/\text{source neutron sec}^{-1}$.

TABLE I. SOURCE ENERGY INTERVAL BOUNDS USED FOR
NEUTRON PROBLEMS

Neutron Source
Energy Intervals (MeV)

0.001 - 0.00335
0.00335 - 0.0912
0.0912 - 0.0248
0.0248 - 0.0676
0.0676 - 0.184
0.184 - 0.303
0.303 - 0.50
0.50 - 0.823
0.823 - 1.353
1.353 - 1.738
1.738 - 2.232
2.232 - 2.865
2.865 - 3.680
3.680 - 6.070
6.070 - 7.790
7.790 - 10.0
10.0 - 12.0
12.0 - 13.5
13.5 - 15.0

TABLE II. RADIAL INTERVALS USED TO DEFINE DEPOSITION GEOMETRY

Radial Interval (m)
0 - 10
10 - 20
20 - 40
40 - 60
60 - 80
80 - 100
100 - 125
125 - 150
150 - 175
175 - 200
200 - 250
250 - 300
300 - 350
350 - 400
400 - 450
450 - 500
500 - 600
600 - 800
800 - 1000
1000 - 1200
1200 - 1500

TABLE III. BOUNDS OF DEPOSITION TIME INTERVALS
USED IN NEUTRON PROBLEMS

Deposition Time Interval
(μ sec)

0 - 0.2
0.2 - 0.3
0.3 - 0.5
0.5 - 1.0
1 - 2
2 - 3
3 - 5
5 - 7
7 - 10
10 - 20
20 - 35
35 - 50
50 - 70
70 - 100
100 - 200
200 - 400
400 - 700
700 - 1000
1000 - 2000
2000 - 3500
3500 - 15000
15000 - 100,000

TABLE IV. (Continued)

(keV m⁻³ sec⁻¹/source neutron)

		1.000E-03 TO 3.350E-03 MEV NEUTRONS									
		3.00E-06 - 5.00E-06		7.00E-06 - 1.00E-05		1.00E-05 - 2.00E-05		2.00E-05 - 3.50E-05		3.50E-05 - 5.00E-05	
		DELAY TIME (SEC)		DELAY TIME (SEC)		DELAY TIME (SEC)		DELAY TIME (SEC)		DELAY TIME (SEC)	
RADIAL DISTANCE INTERVAL (METERS)		1.698E 00	1.632E 00	8.285E-01	1.416E-01	1.529E-01	1.416E-01	3.056E-02	3.056E-02	3.056E-02	3.056E-02
0 - 10.0	2.014E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
10.0 - 20.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
20.0 - 40.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
40.0 - 60.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
60.0 - 80.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
80.0 - 100.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
100.0 - 125.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
125.0 - 150.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
150.0 - 175.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
175.0 - 200.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
200.0 - 250.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
250.0 - 300.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
300.0 - 350.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
350.0 - 400.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
400.0 - 450.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
450.0 - 500.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
500.0 - 600.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
600.0 - 800.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
800.0 - 1000.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
1000.0 - 1200.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
1200.0 - 1500.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
TOTAL ENERGY DEPOSITION/SEC		8.433E 03	6.838E 03	6.679E 03	6.449E 03	6.449E 03	6.449E 03	5.574E 03	5.574E 03	5.574E 03	5.574E 03

TABLE IV. (Continued)

(keV m⁻³ sec⁻¹/source neutron)

RADIAL DISTANCE INTERVAL (METERS)		1.000E-03 TO 3.350E-03 MEV NEUTRONS										
		DELAY TIME (SEC)										
		5.0E-05	7.0E-05	1.0E-04	2.0E-04	4.0E-04	7.0E-04	1.0E-03	2.0E-03	4.0E-03	7.0E-03	1.0E-02
0	10	1.948E-02	1.449E-02	3.536E-03	4.988E-04	8.220E-05	1.520E-04	2.800E-04	5.200E-04	9.200E-04	1.600E-03	2.900E-03
10	20	2.032E-02	1.662E-02	3.758E-03	5.815E-04	1.210E-04	2.290E-04	4.200E-04	7.200E-04	1.200E-03	2.100E-03	3.800E-03
20	40	1.704E-02	1.641E-02	3.029E-03	4.450E-04	1.150E-04	2.150E-04	3.900E-04	6.900E-04	1.100E-03	1.900E-03	3.400E-03
40	60	1.000E-02	3.876E-03	1.737E-04	3.986E-04	1.100E-04	2.050E-04	3.700E-04	6.500E-04	1.100E-03	1.900E-03	3.400E-03
60	80	0.000E+00	0.000E+00	8.440E-05	2.350E-04	7.000E-05	1.550E-04	2.800E-04	5.000E-04	9.000E-04	1.600E-03	2.900E-03
80	100	0.000E+00	0.000E+00	2.400E-05	6.800E-05	2.000E-05	4.300E-05	7.900E-05	1.400E-04	2.500E-04	4.500E-04	8.000E-04
100	125	0.000E+00	0.000E+00	0.000E+00	2.450E-05	7.000E-06	1.500E-05	2.800E-05	5.100E-05	9.300E-05	1.700E-04	3.100E-04
125	150	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.900E-05	3.400E-05	6.200E-05	1.100E-04	2.000E-04
150	175	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.900E-05	3.400E-05	6.200E-05	1.100E-04
175	200	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.900E-05	3.400E-05	6.200E-05	1.100E-04
200	250	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.900E-05	3.400E-05	6.200E-05	1.100E-04
250	300	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.900E-05	3.400E-05	6.200E-05	1.100E-04
300	350	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.900E-05	3.400E-05	6.200E-05	1.100E-04
350	400	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.900E-05	3.400E-05	6.200E-05	1.100E-04
400	450	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.900E-05	3.400E-05	6.200E-05	1.100E-04
450	500	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.900E-05	3.400E-05	6.200E-05	1.100E-04
500	600	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.900E-05	3.400E-05	6.200E-05	1.100E-04
600	800	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.900E-05	3.400E-05	6.200E-05	1.100E-04
800	1000	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.900E-05	3.400E-05	6.200E-05	1.100E-04
1000	1200	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.900E-05	3.400E-05	6.200E-05	1.100E-04
1200	1500	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.900E-05	3.400E-05	6.200E-05	1.100E-04
TOTAL ENERGY DEPOSITION/SEC		5.140E 03	4.979E 03	3.738E 03	2.229E 03	1.102E 03	5.331E 02	2.400E 02	1.100E 02	5.000E 01	2.000E 01	8.000E 00

TABLE IV. (Continued)

(keV m⁻³ sec⁻¹/source neutron)

1.000E-03 TO 3.350E-03 MEV NEUTRONS
 DELAY TIME (SEC)

RADIAL DISTANCE INTERVAL (METERS)	1.00E-03 - 2.00E-03		2.00E-03 - 3.50E-03	
	1.00E-03	2.00E-03	2.00E-03	3.50E-03
0 - 10	2.602E-05	3.077E-06	3.077E-06	3.077E-06
10 - 20	1.741E-05	4.012E-06	4.012E-06	4.012E-06
20 - 40	1.397E-05	2.654E-06	2.654E-06	2.654E-06
40 - 60	1.160E-05	2.014E-06	2.014E-06	2.014E-06
60 - 80	9.770E-06	1.530E-06	1.530E-06	1.530E-06
80 - 100	7.948E-06	1.230E-06	1.230E-06	1.230E-06
100 - 125	6.927E-06	1.085E-06	1.085E-06	1.085E-06
125 - 150	6.140E-06	9.650E-07	9.650E-07	9.650E-07
150 - 175	5.555E-06	8.650E-07	8.650E-07	8.650E-07
175 - 200	5.128E-06	7.850E-07	7.850E-07	7.850E-07
200 - 250	4.180E-06	6.250E-07	6.250E-07	6.250E-07
250 - 300	3.555E-06	5.350E-07	5.350E-07	5.350E-07
300 - 350	3.141E-06	4.650E-07	4.650E-07	4.650E-07
350 - 400	2.800E-06	4.100E-07	4.100E-07	4.100E-07
400 - 450	2.500E-06	3.650E-07	3.650E-07	3.650E-07
450 - 500	2.250E-06	3.300E-07	3.300E-07	3.300E-07
500 - 600	1.800E-06	2.650E-07	2.650E-07	2.650E-07
600 - 800	1.200E-06	1.800E-07	1.800E-07	1.800E-07
800 - 1000	8.000E-07	1.200E-07	1.200E-07	1.200E-07
1000 - 1200	5.000E-07	7.500E-08	7.500E-08	7.500E-08
1200 - 1500	3.000E-07	4.500E-08	4.500E-08	4.500E-08
TOTAL ENERGY DEPOSITION/SEC	1.880E 02	4.212E 01	4.212E 01	4.212E 01

TABLE V. TIME-DEPENDENT ENERGY DEPOSITION IN AIR VS RADIAL DISTANCE FROM A POINT ISOTROPIC NEUTRON SOURCE EMITTING UNIFORMLY IN THE ENERGY INTERVAL FROM 0.00325 TO 0.00912 Mev
(keV m⁻³ sec⁻¹/source neutron)

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC)									
	0.00E-07	2.00E-07	3.00E-07	5.00E-07	6.00E-07	8.00E-07	1.00E-06	1.50E-06	2.00E-06	3.00E-06
0.0	8.870E 00	6.690E 00	5.315E 00	6.185E 00	8.455E 00	6.875E 00	6.875E 00	6.875E 00	6.875E 00	6.875E 00
10.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
20.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
40.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
60.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
80.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
100.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
125.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
150.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
175.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
200.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
250.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
300.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
350.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
400.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
450.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
500.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
600.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
800.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
1000.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
1200.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
1500.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
TOTAL ENERGY DEPOSITION/SEC	3.715E 04	2.802E 04	2.226E 04	2.591E 04	3.542E 04	2.880E 04	2.880E 04	2.880E 04	2.880E 04	2.880E 04

TABLE V. (Continued)
 (keV m⁻³ sec⁻¹/source neutron)

RADIAL DISTANCE INTERVAL (METERS)	3.350E-03 TO 9.120E-03 MEV NEUTRONS									
	3.00E-06	5.00E-06	7.00E-06	7.00E-06	1.00E-05	1.00E-05	2.00E-05	2.00E-05	3.50E-05	3.50E-05
0	10.0	7.645E	00	4.263E	00	7.675E	01	1.445E	01	7.730E
10.0	20.0	0000E	00	3.067E	01	7.510E	01	1.624E	01	8.120E
20.0	40.0	0000E	00	0000E	00	1.912E	02	1.085E	02	5.160E
40.0	60.0	0000E	00	0000E	00	0000E	00	0.077E	03	1.453E
60.0	80.0	0000E	00	0000E	00	0000E	00	0000E	00	1.621E
80.0	100.0	0000E	00	0000E	00	0000E	00	0000E	00	0000E
100.0	125.0	0000E	00	0000E	00	0000E	00	0000E	00	0000E
125.0	150.0	0000E	00	0000E	00	0000E	00	0000E	00	0000E
150.0	175.0	0000E	00	0000E	00	0000E	00	0000E	00	0000E
175.0	200.0	0000E	00	0000E	00	0000E	00	0000E	00	0000E
200.0	250.0	0000E	00	0000E	00	0000E	00	0000E	00	0000E
250.0	300.0	0000E	00	0000E	00	0000E	00	0000E	00	0000E
300.0	350.0	0000E	00	0000E	00	0000E	00	0000E	00	0000E
350.0	400.0	0000E	00	0000E	00	0000E	00	0000E	00	0000E
400.0	450.0	0000E	00	0000E	00	0000E	00	0000E	00	0000E
450.0	500.0	0000E	00	0000E	00	0000E	00	0000E	00	0000E
500.0	600.0	0000E	00	0000E	00	0000E	00	0000E	00	0000E
600.0	800.0	0000E	00	0000E	00	0000E	00	0000E	00	0000E
800.0	1000.0	0000E	00	0000E	00	0000E	00	0000E	00	0000E
1000.0	1200.0	0000E	00	0000E	00	0000E	00	0000E	00	0000E
1200.0	1500.0	0000E	00	0000E	00	0000E	00	0000E	00	0000E
TOTAL ENERGY DEPOSITION/SEC	3.432E 04	3.203E 04	2.685E 04	2.972E 04	2.565E 04	2.427E 04	3.50E-05	3.50E-05	3.50E-05	2.427E 04

TABLE V. (Continued)
 (keV m⁻³ sec⁻¹/source neutron)

3.350E-03 TO 9.120E-03 MEV NEUTRONS

RADIAL DISTANCE INTERVAL (METERS)	3.350E-03 TO 9.120E-03 MEV NEUTRONS		TOTAL ENERGY DEPOSITION/SEC
	1.00E-03 - 2.00E-03	2.00E-03 - 3.50E-03	
0 - 10	1.776E-05	1.442E-06	5.639E 01
10 - 20	1.447E-05	1.383E-06	
20 - 40	1.883E-05	2.073E-06	
40 - 60	1.479E-05	1.894E-06	
60 - 80	1.142E-05	1.595E-06	
80 - 100	1.075E-05	1.604E-06	
100 - 125	8.290E-06	1.404E-06	
125 - 150	5.244E-06	1.695E-07	
150 - 175	2.861E-06	5.291E-07	
175 - 200	1.810E-06	4.395E-07	
200 - 250	1.010E-06	3.762E-08	
250 - 300	5.371E-07	2.165E-08	
300 - 350	2.355E-07	1.544E-08	
350 - 400	1.000E-07	8.18E-09	
400 - 450	3.55E-08	3.95E-09	
450 - 500	1.000E-08	1.8E-09	
500 - 600	1.000E-08	9.95E-10	
600 - 800	1.000E-08	1.000E-08	
800 - 1000	1.000E-08	1.000E-08	
1000 - 1200	1.000E-08	1.000E-08	
1200 - 1500	1.000E-08	1.000E-08	
TOTAL ENERGY DEPOSITION/SEC	2.955E 02	5.639E 01	

TABLE VI. (Continued)
 (keV m⁻³ sec⁻¹/source neutron)

RADIAL DISTANCE INTERVAL (METERS)	9.120E-03 TO 2.480E-02 MEV NEUTRONS									
	2.00E-07	2.00E-07	3.00E-07	3.00E-07	5.00E-07	5.00E-07	1.00E-06	1.00E-06	2.00E-06	2.00E-06
	2.636E	3.403E	1.396E	2.910E	3.249E	3.049E	3.049E	3.049E	3.049E	3.049E
0	00	01	00	00	00	00	00	00	00	00
10	00	00	00	00	00	00	00	00	00	00
20	00	00	00	00	00	00	00	00	00	00
40	00	00	00	00	00	00	00	00	00	00
60	00	00	00	00	00	00	00	00	00	00
80	00	00	00	00	00	00	00	00	00	00
125	00	00	00	00	00	00	00	00	00	00
175	00	00	00	00	00	00	00	00	00	00
250	00	00	00	00	00	00	00	00	00	00
350	00	00	00	00	00	00	00	00	00	00
450	00	00	00	00	00	00	00	00	00	00
500	00	00	00	00	00	00	00	00	00	00
600	00	00	00	00	00	00	00	00	00	00
800	00	00	00	00	00	00	00	00	00	00
1000	00	00	00	00	00	00	00	00	00	00
1200	00	00	00	00	00	00	00	00	00	00
TOTAL ENERGY DEPOSITION/SEC	1.104E	1.425E	5.847E	1.219E	1.361E	1.277E	1.277E	1.277E	1.277E	1.277E

TABLE VI. (Continued)
 (keV m⁻³ sec⁻¹/source neutron)

RADIAL DISTANCE INTERVAL (METERS)		9.120E-03 TO 2.480E-02 MEV NEUTRONS DELAY TIME (SEC)	
		1.00E-03	2.00E-03
0	0	6.780E-06	0.000E-00
10	0	1.343E-05	8.265E-07
20	0	1.045E-05	1.540E-06
40	0	1.245E-05	1.461E-06
60	0	1.150E-05	1.546E-06
80	0	1.540E-06	1.207E-06
125	0	7.680E-06	1.065E-06
175	0	4.335E-06	8.795E-07
250	0	2.505E-06	3.375E-07
350	0	1.566E-07	9.955E-07
500	0	1.536E-07	3.355E-07
800	0	1.774E-08	1.503E-08
1000	0	1.536E-08	3.722E-09
1200	0	3.66E-09	1.575E-09
1500	0	0.000E-00	0.000E-10
1000	0	0.000E-00	0.000E-00
1200	0	0.000E-00	0.000E-00
1500	0	0.000E-00	0.000E-00
TOTAL ENERGY DEPOSITION/SEC		3.978E 02	6.442E 01

TABLE VII. (Continued)
 (keV m⁻³ sec⁻¹/source neutron)

RADIAL DISTANCE INTERVAL (METERS)		2.480E-02 TO 6.760E-02 MEV NEUTRONS													
		3.00E-06		5.00E-06		7.00E-06		1.00E-05		2.00E-05		3.50E-05		5.00E-05	
		DELAY TIME (SEC)		DELAY TIME (SEC)		DELAY TIME (SEC)		DELAY TIME (SEC)		DELAY TIME (SEC)		DELAY TIME (SEC)		DELAY TIME (SEC)	
0	0	3.017E	3.451E	3.896E	00	1.054E	00	2.010E	01	1.496E	01	1.496E	01	1.496E	01
10	0	1.038E	9.870E	2.717E	00	9.485E	01	2.284E	01	1.209E	01	1.209E	01	1.209E	01
40	0	.0000E	3.787E	1.341E	00	8.440E	01	2.227E	01	1.480E	01	1.480E	01	1.480E	01
60	0	.0000E	.0000E	.0000E	00	2.243E	01	1.750E	01	1.605E	01	1.605E	01	1.605E	01
80	0	.0000E	.0000E	.0000E	00	1.557E	02	1.915E	02	1.425E	02	1.425E	02	1.425E	02
100	0	.0000E	.0000E	.0000E	00	.0000E	00	2.236E	03	1.325E	03	1.325E	03	1.325E	03
125	0	.0000E	.0000E	.0000E	00	.0000E	00	.0000E	00	1.177E	04	1.177E	04	1.177E	04
150	0	.0000E	.0000E	.0000E	00	.0000E	00	.0000E	00	.0000E	00	.0000E	00	.0000E	00
175	0	.0000E	.0000E	.0000E	00	.0000E	00	.0000E	00	.0000E	00	.0000E	00	.0000E	00
200	0	.0000E	.0000E	.0000E	00	.0000E	00	.0000E	00	.0000E	00	.0000E	00	.0000E	00
250	0	.0000E	.0000E	.0000E	00	.0000E	00	.0000E	00	.0000E	00	.0000E	00	.0000E	00
300	0	.0000E	.0000E	.0000E	00	.0000E	00	.0000E	00	.0000E	00	.0000E	00	.0000E	00
350	0	.0000E	.0000E	.0000E	00	.0000E	00	.0000E	00	.0000E	00	.0000E	00	.0000E	00
400	0	.0000E	.0000E	.0000E	00	.0000E	00	.0000E	00	.0000E	00	.0000E	00	.0000E	00
450	0	.0000E	.0000E	.0000E	00	.0000E	00	.0000E	00	.0000E	00	.0000E	00	.0000E	00
500	0	.0000E	.0000E	.0000E	00	.0000E	00	.0000E	00	.0000E	00	.0000E	00	.0000E	00
600	0	.0000E	.0000E	.0000E	00	.0000E	00	.0000E	00	.0000E	00	.0000E	00	.0000E	00
800	0	.0000E	.0000E	.0000E	00	.0000E	00	.0000E	00	.0000E	00	.0000E	00	.0000E	00
1000	0	.0000E	.0000E	.0000E	00	.0000E	00	.0000E	00	.0000E	00	.0000E	00	.0000E	00
1200	0	.0000E	.0000E	.0000E	00	.0000E	00	.0000E	00	.0000E	00	.0000E	00	.0000E	00
TOTAL ENERGY DEPOSITION/SEC		4.305E	3.927E	4.106E	05	3.924E	05	3.328E	05	2.696E	05	2.696E	05	2.696E	05

TABLE VII. (Continued)

(keV m⁻³ sec⁻¹/source neutron)

2.480E-02 TO 6.760E-02 MEV NEUTRONS

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC)										TOTAL ENERGY DEPOSITION/SEC	
	5.00E-05	7.00E-05	1.00E-04	2.00E-04	3.00E-04	4.00E-04	7.00E-04	1.00E-03	2.00E-03	3.00E-03		
0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10	0.575E-05	1.80E-05	1.719E-05	5.880E-05	3.146E-04	1.08E-03	4.105E-03	1.05E-04	4.173E-04	1.05E-04	1.047E-04	1.047E-04
20	1.180E-05	3.819E-05	3.819E-05	1.100E-04	1.155E-03	1.554E-03	1.105E-03	1.933E-03	2.229E-03	1.933E-03	1.933E-03	1.933E-03
40	2.360E-05	7.637E-05	7.637E-05	2.200E-04	2.310E-03	3.108E-03	2.210E-03	4.171E-03	5.459E-03	5.459E-03	5.459E-03	5.459E-03
60	3.540E-05	1.145E-04	1.145E-04	3.300E-04	3.465E-03	4.662E-03	3.315E-03	6.253E-03	8.188E-03	8.188E-03	8.188E-03	8.188E-03
80	4.720E-05	1.527E-04	1.527E-04	4.400E-04	4.620E-03	6.216E-03	4.415E-03	8.336E-03	1.085E-02	1.085E-02	1.085E-02	1.085E-02
100	5.900E-05	1.909E-04	1.909E-04	5.500E-04	5.775E-03	7.755E-03	5.515E-03	1.085E-02	1.415E-02	1.415E-02	1.415E-02	1.415E-02
125	7.375E-05	2.362E-04	2.362E-04	6.875E-04	7.125E-03	9.506E-03	6.875E-03	1.375E-02	1.815E-02	1.815E-02	1.815E-02	1.815E-02
150	8.850E-05	2.815E-04	2.815E-04	8.250E-04	8.475E-03	1.115E-02	8.250E-03	1.665E-02	2.185E-02	2.185E-02	2.185E-02	2.185E-02
175	1.032E-04	3.268E-04	3.268E-04	9.625E-04	9.825E-03	1.255E-02	9.625E-03	1.915E-02	2.535E-02	2.535E-02	2.535E-02	2.535E-02
200	1.180E-04	3.721E-04	3.721E-04	1.100E-03	1.117E-02	1.395E-02	1.100E-03	2.165E-02	2.885E-02	2.885E-02	2.885E-02	2.885E-02
250	1.475E-04	4.651E-04	4.651E-04	1.375E-03	1.420E-02	1.745E-02	1.375E-03	2.715E-02	3.615E-02	3.615E-02	3.615E-02	3.615E-02
300	1.770E-04	5.581E-04	5.581E-04	1.650E-03	1.640E-02	2.095E-02	1.650E-03	3.165E-02	4.245E-02	4.245E-02	4.245E-02	4.245E-02
350	2.065E-04	6.511E-04	6.511E-04	1.925E-03	1.920E-02	2.445E-02	1.925E-03	3.615E-02	4.875E-02	4.875E-02	4.875E-02	4.875E-02
400	2.360E-04	7.441E-04	7.441E-04	2.200E-03	2.200E-02	2.795E-02	2.200E-03	4.065E-02	5.505E-02	5.505E-02	5.505E-02	5.505E-02
450	2.655E-04	8.371E-04	8.371E-04	2.475E-03	2.470E-02	3.145E-02	2.475E-03	4.455E-02	6.135E-02	6.135E-02	6.135E-02	6.135E-02
500	2.950E-04	9.301E-04	9.301E-04	2.750E-03	2.750E-02	3.495E-02	2.750E-03	4.845E-02	6.765E-02	6.765E-02	6.765E-02	6.765E-02
550	3.245E-04	1.023E-03	1.023E-03	3.025E-03	3.020E-02	3.845E-02	3.025E-03	5.235E-02	7.395E-02	7.395E-02	7.395E-02	7.395E-02
600	3.540E-04	1.116E-03	1.116E-03	3.300E-03	3.300E-02	4.195E-02	3.300E-03	5.625E-02	8.025E-02	8.025E-02	8.025E-02	8.025E-02
800	4.720E-04	1.498E-03	1.498E-03	4.400E-03	4.400E-02	5.645E-02	4.400E-03	7.515E-02	1.085E-01	1.085E-01	1.085E-01	1.085E-01
1000	5.900E-04	1.880E-03	1.880E-03	5.500E-03	5.500E-02	7.065E-02	5.500E-03	9.005E-02	1.415E-01	1.415E-01	1.415E-01	1.415E-01
1200	7.080E-04	2.262E-03	2.262E-03	6.600E-03	6.600E-02	8.515E-02	6.600E-03	1.085E-01	1.745E-01	1.745E-01	1.745E-01	1.745E-01
1500	8.850E-04	2.815E-03	2.815E-03	8.250E-03	8.250E-02	1.065E-01	8.250E-03	1.375E-01	2.185E-01	2.185E-01	2.185E-01	2.185E-01
TOTAL	5.00E-05	7.00E-05	1.00E-04	2.00E-04	3.00E-04	4.00E-04	7.00E-04	1.00E-03	2.00E-03	3.00E-03	4.00E-03	7.00E-03

TABLE VII. (Continued)

(keV m⁻³ sec⁻¹/source neutron)

2.480E-02 TO 6.760E-02 MEV NEUTRONS

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC)	
	1.00E-03 - 2.00E-03	2.00E-03 - 3.50E-03
0 - 10	.000E 00	.000E 00
10 - 20	1.104E-05	1.082E-06
20 - 40	1.135E-06	1.209E-06
40 - 60	8.690E-06	1.236E-06
60 - 80	8.300E-06	1.149E-06
80 - 100	1.220E-06	1.180E-07
100 - 125	5.195E-06	8.285E-07
125 - 150	2.819E-06	6.345E-07
150 - 175	1.520E-06	4.102E-07
175 - 200	6.200E-07	2.344E-07
200 - 250	1.561E-07	1.503E-08
250 - 300	6.330E-07	2.229E-08
300 - 350	1.130E-08	2.029E-09
350 - 400	6.150E-10	1.989E-10
400 - 450	.000E 00	.000E 00
450 - 500	.000E 00	.000E 00
500 - 600	.000E 00	.000E 00
600 - 800	.000E 00	.000E 00
800 - 1000	.000E 00	.000E 00
1000 - 1200	.000E 00	.000E 00
1200 - 0	.000E 00	.000E 00
TOTAL ENERGY DEPOSITION/SEC	5.097E 02	7.614E 01

TABLE VIII. (Continued)

(keV m⁻³ sec⁻¹/source neutron)

RADIAL DISTANCE INTERVAL (METERS)		6.760E-02 TO 1.840E-01 MEV NEUTRONS										
		DELAY TIME (SEC)										
		3.00E-06	5.00E-06	7.00E-06	1.00E-05	2.00E-05	3.50E-05	5.00E-05	7.215E-05	1.00E-04	1.50E-04	2.00E-04
0	10	1.161E	3.592E	4.096E	4.463E	4.910E	5.300E	5.690E	6.080E	6.470E	6.860E	7.250E
10	20	4.255E	7.800E	3.071E	7.030E	1.210E	2.150E	2.900E	3.500E	4.000E	4.500E	5.000E
20	40	3.362E	4.844E	3.141E	8.115E	1.277E	2.100E	2.800E	3.400E	4.000E	4.600E	5.200E
40	60	3.000E	4.264E	3.920E	8.555E	1.477E	2.300E	3.000E	3.600E	4.200E	4.800E	5.400E
60	80	3.000E	4.000E	3.000E	8.175E	1.500E	2.300E	3.000E	3.600E	4.200E	4.800E	5.400E
80	100	3.000E	3.000E	3.000E	7.650E	1.500E	2.300E	3.000E	3.600E	4.200E	4.800E	5.400E
100	125	3.000E	3.000E	3.000E	7.000E	1.500E	2.300E	3.000E	3.600E	4.200E	4.800E	5.400E
125	150	3.000E	3.000E	3.000E	6.350E	1.500E	2.300E	3.000E	3.600E	4.200E	4.800E	5.400E
150	175	3.000E	3.000E	3.000E	5.700E	1.500E	2.300E	3.000E	3.600E	4.200E	4.800E	5.400E
175	200	3.000E	3.000E	3.000E	5.050E	1.500E	2.300E	3.000E	3.600E	4.200E	4.800E	5.400E
200	250	3.000E	3.000E	3.000E	4.400E	1.500E	2.300E	3.000E	3.600E	4.200E	4.800E	5.400E
250	300	3.000E	3.000E	3.000E	3.750E	1.500E	2.300E	3.000E	3.600E	4.200E	4.800E	5.400E
300	350	3.000E	3.000E	3.000E	3.100E	1.500E	2.300E	3.000E	3.600E	4.200E	4.800E	5.400E
350	400	3.000E	3.000E	3.000E	2.450E	1.500E	2.300E	3.000E	3.600E	4.200E	4.800E	5.400E
400	450	3.000E	3.000E	3.000E	1.800E	1.500E	2.300E	3.000E	3.600E	4.200E	4.800E	5.400E
450	500	3.000E	3.000E	3.000E	1.150E	1.500E	2.300E	3.000E	3.600E	4.200E	4.800E	5.400E
500	600	3.000E	3.000E	3.000E	5.000E	1.500E	2.300E	3.000E	3.600E	4.200E	4.800E	5.400E
600	800	3.000E	3.000E	3.000E	1.500E	1.500E	2.300E	3.000E	3.600E	4.200E	4.800E	5.400E
800	1000	3.000E	3.000E	3.000E	1.000E	1.500E	2.300E	3.000E	3.600E	4.200E	4.800E	5.400E
1000	1200	3.000E	3.000E	3.000E	5.000E	1.500E	2.300E	3.000E	3.600E	4.200E	4.800E	5.400E
1200	1500	3.000E	3.000E	3.000E	1.500E	1.500E	2.300E	3.000E	3.600E	4.200E	4.800E	5.400E
TOTAL ENERGY DEPOSITION/SEC		1.548E 06	1.407E 06	1.416E 06	1.254E 06	1.023E 06	8.463E 05	7.215E 05	6.080E 05	5.000E 05	4.000E 05	3.000E 05

TABLE VIII. (Continued)

(keV m⁻³ sec⁻¹/source neutron)

		6.760E-02 TO 1.840E-01 MEV NEUTRONS									
		DELAY TIME (SEC)									
		5.00E-05	7.00E-05	1.00E-04	1.00E-04	2.00E-04	2.00E-04	4.00E-04	4.00E-04	7.00E-04	7.00E-04
RADIAL DISTANCE	INTERVAL (METERS)										
0	0	1.581E-01	1.47E-02	1.15E-02	9.64E-02	0.00E-04	0.00E-04	0.00E-04	0.00E-04	0.00E-04	0.00E-04
10	0	4.773E-02	1.415E-02	1.87E-02	1.084E-02	1.127E-03	1.105E-03	1.127E-03	1.105E-03	1.127E-03	1.105E-03
20	0	5.475E-02	3.364E-02	7.720E-02	4.10E-02	1.267E-03	1.267E-03	1.267E-03	1.267E-03	1.267E-03	1.267E-03
40	0	4.753E-02	3.550E-02	6.695E-02	7.255E-02	1.253E-03	1.253E-03	1.253E-03	1.253E-03	1.253E-03	1.253E-03
60	0	3.857E-02	3.945E-02	6.517E-02	5.30E-02	1.460E-03	1.460E-03	1.460E-03	1.460E-03	1.460E-03	1.460E-03
80	0	2.920E-02	3.439E-02	5.439E-02	4.175E-02	1.870E-03	1.870E-03	1.870E-03	1.870E-03	1.870E-03	1.870E-03
100	0	1.615E-02	2.742E-02	4.063E-02	3.242E-02	2.979E-03	2.979E-03	2.979E-03	2.979E-03	2.979E-03	2.979E-03
125	0	1.902E-02	4.866E-02	7.427E-02	4.422E-02	6.199E-03	6.199E-03	6.199E-03	6.199E-03	6.199E-03	6.199E-03
150	0	2.486E-02	6.150E-02	9.510E-02	6.90E-02	1.337E-03	1.337E-03	1.337E-03	1.337E-03	1.337E-03	1.337E-03
175	0	4.866E-02	1.545E-02	2.283E-02	2.15E-02	3.073E-03	3.073E-03	3.073E-03	3.073E-03	3.073E-03	3.073E-03
200	0	1.545E-02	3.890E-02	5.890E-02	3.283E-02	2.00E-03	2.00E-03	2.00E-03	2.00E-03	2.00E-03	2.00E-03
250	0	7.150E-02	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00
300	0	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00
350	0	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00
400	0	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00
450	0	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00
500	0	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00
550	0	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00
600	0	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00
800	0	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00
1000	0	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00
1200	0	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00
TOTAL ENERGY DEPOSITION/SEC		6.642E 05	4.958E 05	2.422E 05	2.422E 05	6.209E 04	1.192E 04	1.192E 04	2.946E 03	2.946E 03	2.946E 03

TABLE VIII. (Continued)
 (keV m⁻³ sec⁻¹/source neutron)

RADIAL DISTANCE INTERVAL (METERS)	6.760E-02 TO 1.840E-01 MEV NEUTRONS		TOTAL ENERGY DEPOSITION/SEC
	1.00E-03 - 2.00E-03	2.00E-03 - 3.50E-03	
0 - 10.0	.000E+00	.000E+00	0.000E+00
10.0 - 20.0	.125E-06	.964E-06	1.089E-06
20.0 - 40.0	8.790E-06	1.389E-07	1.018E-05
40.0 - 60.0	5.965E-06	4.325E-07	6.290E-06
60.0 - 80.0	7.920E-06	5.753E-07	8.695E-06
80.0 - 100.0	6.090E-06	7.10E-07	6.800E-06
100.0 - 125.0	4.40E-06	9.40E-07	5.340E-06
125.0 - 150.0	6.80E-06	3.05E-07	7.850E-06
150.0 - 175.0	5.57E-06	5.58E-07	6.120E-06
175.0 - 200.0	9.78E-06	2.16E-07	1.000E-05
200.0 - 250.0	0.120E-06	5.60E-07	5.720E-07
250.0 - 300.0	1.20E-07	1.90E-07	3.10E-07
300.0 - 350.0	1.78E-07	1.90E-07	3.68E-07
350.0 - 400.0	2.32E-08	5.93E-08	2.91E-07
400.0 - 450.0	4.32E-09	1.22E-08	5.54E-08
450.0 - 500.0	1.65E-09	2.20E-09	1.87E-08
500.0 - 600.0	.000E+00	.000E+00	.000E+00
600.0 - 800.0	.000E+00	.000E+00	.000E+00
800.0 - 1000.0	.000E+00	.000E+00	.000E+00
1000.0 - 1200.0	.000E+00	.000E+00	.000E+00
1200.0 - 1500.0	.000E+00	.000E+00	.000E+00
TOTAL ENERGY DEPOSITION/SEC	6.235E 02	8.441E 01	

TABLE IX. TIME-DEPENDENT ENERGY DEPOSITION IN AIR VS RADIAL DISTANCE FROM A POINT ISOTROPIC NEUTRON SOURCE EMITTING UNIFORMLY IN THE ENERGY INTERVAL FROM 0.184 TO 0.303 Mev

(keV m⁻³ sec⁻¹/source neutron)

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC)												
	0.00E-00	2.00E-07	1.035E-03	9.070E-02	3.00E-07	5.00E-07	8.925E-02	1.00E-06	5.00E-07	1.00E-06	3.358E-02	1.00E-06	2.00E-06
0	9.590E-02	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
10.0	9.590E-02	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
20.0	9.590E-02	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
40.0	9.590E-02	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
60.0	9.590E-02	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
80.0	9.590E-02	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
100.0	9.590E-02	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
125.0	9.590E-02	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
150.0	9.590E-02	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
175.0	9.590E-02	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
200.0	9.590E-02	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
250.0	9.590E-02	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
300.0	9.590E-02	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
350.0	9.590E-02	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
400.0	9.590E-02	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
450.0	9.590E-02	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
500.0	9.590E-02	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
600.0	9.590E-02	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
800.0	9.590E-02	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
1000.0	9.590E-02	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
1200.0	9.590E-02	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
1500.0	9.590E-02	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
TOTAL ENERGY DEPOSITION/SEC	4.018E 06	4.335E 06	3.800E 06	3.739E 06	3.321E 06	3.773E 06	2.477E 01	3.530E 01	6.307E 02	2.067E 02	1.307E 00	2.477E 01	3.773E 06

TABLE IX. (Continued)

(keV m⁻³ sec⁻¹/source neutron)

RADIAL DISTANCE INTERVAL (METERS)		3.00E-06 - 5.00E-06		7.00E-06 - 1.00E-05		1.00E-05 TO 3.030E-01 MEV NEUTRONS		2.00E-05 - 3.50E-05		3.50E-05 - 5.00E-05	
DELAY TIME (SEC)		7.00E-06		1.00E-05		1.00E-05		2.00E-05		3.50E-05	
0	10.0	1.761E 01	2.934E 00	7.700E-02	7.00E-06	9.085E-01	4.333E-01	5.450E-01	4.333E-01	5.450E-01	4.333E-01
10.0	20.0	1.169E 01	4.981E 00	2.347E 00	7.00E-06	9.500E-01	3.688E-01	1.769E-01	3.688E-01	1.769E-01	3.688E-01
20.0	40.0	1.125E 01	7.235E 00	2.655E 00	7.00E-06	9.230E-01	2.469E-01	1.065E-01	2.469E-01	1.065E-01	2.469E-01
40.0	60.0	.000E 00	2.150E 00	2.394E-01	7.00E-06	6.622E-01	1.687E-01	5.205E-01	1.687E-01	5.205E-01	1.687E-01
60.0	80.0	.000E 00	.000E 00	.000E-01	7.00E-06	6.022E-01	1.550E-01	7.840E-01	1.550E-01	7.840E-01	1.550E-01
80.0	100.0	.000E 00	.000E 00	.000E-01	7.00E-06	5.121E-01	1.177E-01	7.494E-01	1.177E-01	7.494E-01	1.177E-01
100.0	125.0	.000E 00	.000E 00	.000E-01	7.00E-06	4.236E-01	7.795E-01	7.220E-01	7.795E-01	7.220E-01	7.795E-01
125.0	150.0	.000E 00	.000E 00	.000E-01	7.00E-06	3.660E-01	5.745E-01	6.443E-01	5.745E-01	6.443E-01	5.745E-01
150.0	175.0	.000E 00	.000E 00	.000E-01	7.00E-06	.000E-01	3.179E-01	5.299E-01	3.179E-01	5.299E-01	3.179E-01
175.0	200.0	.000E 00	.000E 00	.000E-01	7.00E-06	.000E-01	2.450E-01	4.915E-01	2.450E-01	4.915E-01	2.450E-01
200.0	250.0	.000E 00	.000E 00	.000E-01	7.00E-06	.000E-01	1.780E-01	4.599E-01	1.780E-01	4.599E-01	1.780E-01
250.0	300.0	.000E 00	.000E 00	.000E-01	7.00E-06	.000E-01	1.160E-01	4.299E-01	1.160E-01	4.299E-01	1.160E-01
300.0	350.0	.000E 00	.000E 00	.000E-01	7.00E-06	.000E-01	.000E-01	4.000E-01	.000E-01	4.000E-01	.000E-01
350.0	400.0	.000E 00	.000E 00	.000E-01	7.00E-06	.000E-01	.000E-01	3.750E-01	.000E-01	3.750E-01	.000E-01
400.0	450.0	.000E 00	.000E 00	.000E-01	7.00E-06	.000E-01	.000E-01	3.500E-01	.000E-01	3.500E-01	.000E-01
450.0	500.0	.000E 00	.000E 00	.000E-01	7.00E-06	.000E-01	.000E-01	3.250E-01	.000E-01	3.250E-01	.000E-01
500.0	600.0	.000E 00	.000E 00	.000E-01	7.00E-06	.000E-01	.000E-01	3.000E-01	.000E-01	3.000E-01	.000E-01
600.0	800.0	.000E 00	.000E 00	.000E-01	7.00E-06	.000E-01	.000E-01	2.750E-01	.000E-01	2.750E-01	.000E-01
800.0	1000.0	.000E 00	.000E 00	.000E-01	7.00E-06	.000E-01	.000E-01	2.500E-01	.000E-01	2.500E-01	.000E-01
1000.0	1200.0	.000E 00	.000E 00	.000E-01	7.00E-06	.000E-01	.000E-01	2.250E-01	.000E-01	2.250E-01	.000E-01
1200.0	1500.0	.000E 00	.000E 00	.000E-01	7.00E-06	.000E-01	.000E-01	2.000E-01	.000E-01	2.000E-01	.000E-01
TOTAL ENERGY DEPOSITION/SEC		3.057E 06	3.225E 06	3.010E 06	1.00E-05	2.678E 06	2.240E 06	1.809E 06	2.240E 06	1.809E 06	2.240E 06

TABLE IX. (Continued)
 (keV m⁻³ sec⁻¹/source neutron)

		1.840E-01 TO 3.030E-01 MEV NEUTRONS													
		5.00E-05		7.00E-05		1.00E-04		2.00E-04		4.00E-04		7.00E-04		1.00E-03	
RADIAL DISTANCE INTERVAL (METERS)		5.00E-05		7.00E-05		1.00E-04		2.00E-04		4.00E-04		7.00E-04		1.00E-03	
		1.00E-05		1.00E-04		2.00E-04		4.00E-04		7.00E-04		1.00E-03		1.00E-03	
0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10	10	5.59E-05	3.37E-02	5.62E-05	1.20E-03	8.15E-05	5.15E-04	1.36E-03	8.51E-04	1.55E-03	1.55E-03	1.55E-03	1.55E-03	1.55E-03	1.55E-03
20	20	4.49E-05	1.39E-02	8.12E-05	3.00E-03	6.18E-05	3.63E-04	1.30E-03	1.13E-03	1.66E-03	1.66E-03	1.66E-03	1.66E-03	1.66E-03	1.66E-03
40	40	4.15E-05	7.89E-03	6.18E-05	1.80E-03	4.80E-05	1.43E-04	1.10E-03	1.14E-03	1.77E-03	1.77E-03	1.77E-03	1.77E-03	1.77E-03	1.77E-03
60	60	4.20E-05	1.92E-02	6.64E-05	3.30E-03	4.27E-05	1.09E-04	1.09E-03	1.20E-03	1.82E-03	1.82E-03	1.82E-03	1.82E-03	1.82E-03	1.82E-03
80	80	4.20E-05	2.70E-02	6.64E-05	4.20E-03	3.82E-05	1.20E-04	1.20E-03	1.37E-03	1.99E-03	1.99E-03	1.99E-03	1.99E-03	1.99E-03	1.99E-03
100	100	4.20E-05	1.42E-02	6.64E-05	2.30E-03	3.13E-05	7.20E-05	1.10E-03	1.25E-03	1.82E-03	1.82E-03	1.82E-03	1.82E-03	1.82E-03	1.82E-03
125	125	4.20E-05	1.32E-02	6.64E-05	2.30E-03	3.13E-05	7.20E-05	1.10E-03	1.25E-03	1.82E-03	1.82E-03	1.82E-03	1.82E-03	1.82E-03	1.82E-03
150	150	4.20E-05	1.32E-02	6.64E-05	2.30E-03	3.13E-05	7.20E-05	1.10E-03	1.25E-03	1.82E-03	1.82E-03	1.82E-03	1.82E-03	1.82E-03	1.82E-03
175	175	4.20E-05	1.32E-02	6.64E-05	2.30E-03	3.13E-05	7.20E-05	1.10E-03	1.25E-03	1.82E-03	1.82E-03	1.82E-03	1.82E-03	1.82E-03	1.82E-03
200	200	4.20E-05	1.32E-02	6.64E-05	2.30E-03	3.13E-05	7.20E-05	1.10E-03	1.25E-03	1.82E-03	1.82E-03	1.82E-03	1.82E-03	1.82E-03	1.82E-03
250	250	4.20E-05	1.32E-02	6.64E-05	2.30E-03	3.13E-05	7.20E-05	1.10E-03	1.25E-03	1.82E-03	1.82E-03	1.82E-03	1.82E-03	1.82E-03	1.82E-03
300	300	4.20E-05	1.32E-02	6.64E-05	2.30E-03	3.13E-05	7.20E-05	1.10E-03	1.25E-03	1.82E-03	1.82E-03	1.82E-03	1.82E-03	1.82E-03	1.82E-03
350	350	4.20E-05	1.32E-02	6.64E-05	2.30E-03	3.13E-05	7.20E-05	1.10E-03	1.25E-03	1.82E-03	1.82E-03	1.82E-03	1.82E-03	1.82E-03	1.82E-03
400	400	4.20E-05	1.32E-02	6.64E-05	2.30E-03	3.13E-05	7.20E-05	1.10E-03	1.25E-03	1.82E-03	1.82E-03	1.82E-03	1.82E-03	1.82E-03	1.82E-03
450	450	4.20E-05	1.32E-02	6.64E-05	2.30E-03	3.13E-05	7.20E-05	1.10E-03	1.25E-03	1.82E-03	1.82E-03	1.82E-03	1.82E-03	1.82E-03	1.82E-03
500	500	4.20E-05	1.32E-02	6.64E-05	2.30E-03	3.13E-05	7.20E-05	1.10E-03	1.25E-03	1.82E-03	1.82E-03	1.82E-03	1.82E-03	1.82E-03	1.82E-03
600	600	4.20E-05	1.32E-02	6.64E-05	2.30E-03	3.13E-05	7.20E-05	1.10E-03	1.25E-03	1.82E-03	1.82E-03	1.82E-03	1.82E-03	1.82E-03	1.82E-03
800	800	4.20E-05	1.32E-02	6.64E-05	2.30E-03	3.13E-05	7.20E-05	1.10E-03	1.25E-03	1.82E-03	1.82E-03	1.82E-03	1.82E-03	1.82E-03	1.82E-03
1000	1000	4.20E-05	1.32E-02	6.64E-05	2.30E-03	3.13E-05	7.20E-05	1.10E-03	1.25E-03	1.82E-03	1.82E-03	1.82E-03	1.82E-03	1.82E-03	1.82E-03
1200	1200	4.20E-05	1.32E-02	6.64E-05	2.30E-03	3.13E-05	7.20E-05	1.10E-03	1.25E-03	1.82E-03	1.82E-03	1.82E-03	1.82E-03	1.82E-03	1.82E-03
1500	1500	4.20E-05	1.32E-02	6.64E-05	2.30E-03	3.13E-05	7.20E-05	1.10E-03	1.25E-03	1.82E-03	1.82E-03	1.82E-03	1.82E-03	1.82E-03	1.82E-03
TOTAL ENERGY DEPOSITION/SEC		1.334E-06	9.272E-05	4.263E-05	9.375E-04	1.524E-04	3.633E-03	1.524E-04	3.633E-03	1.524E-04	3.633E-03	1.524E-04	3.633E-03	1.524E-04	3.633E-03

TABLE IX. (Continued)

(keV m⁻³ sec⁻¹/source neutron)

1.840E-01 TO 3.030E-01 MEV NEUTRONS

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC)	
	1.00E-03	3.50E-03
0	0.00E+00	2.804E-06
10	3.301E-06	3.650E-07
20	5.500E-06	5.180E-07
40	5.500E-06	3.745E-07
60	5.500E-06	4.532E-07
80	5.490E-06	5.915E-07
100	4.554E-06	5.970E-07
125	4.500E-06	5.140E-07
150	3.617E-06	4.632E-07
175	3.924E-06	3.988E-07
200	1.127E-06	3.251E-07
250	0.00E+00	3.535E-07
300	0.00E+00	1.125E-07
350	0.00E+00	7.635E-08
400	0.00E+00	7.635E-08
450	0.00E+00	4.808E-08
500	0.00E+00	4.808E-08
600	0.00E+00	4.215E-09
800	0.00E+00	4.215E-09
1000	0.00E+00	4.167E-10
1200	0.00E+00	4.167E-10
1500	0.00E+00	4.167E-10
TOTAL ENERGY DEPOSITION/SEC	7.117E 02	8.914E 01

TABLE X. TIME-DEPENDENT ENERGY DEPOSITION IN AIR VS RADIAL DISTANCE FROM A POINT ISOTROPIC NEUTRON SOURCE EMITTING UNIFORMLY IN THE ENERGY INTERVAL FROM 0.303 TO 0.50 MeV

(keV m⁻³ sec⁻¹/source neutron)

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC)											
	00E 00 - 2.00E-07	2.00E-07 - 3.00E-07	3.00E-07 - 5.00E-07	5.00E-07 - 1.00E-06	1.00E-06 - 2.00E-06	2.00E-06 - 3.00E-06	3.00E-06 - 5.00E-06	5.00E-06 - 1.00E-05	1.00E-05 - 2.00E-05	2.00E-05 - 5.00E-05	5.00E-05 - 1.00E-04	1.00E-04 - 2.00E-04
0	1.671E 03	2.597E 03	2.057E 03	1.992E 03	2.389E 02	2.518E 02	2.000E 00	2.000E 00	2.000E 00	2.000E 00	2.000E 00	2.000E 00
10	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
20	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
40	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
60	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
80	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
100	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
125	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
150	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
175	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
200	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
250	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
300	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
350	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
400	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
450	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
500	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
600	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
800	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
1000	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
1200	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
TOTAL ENERGY DEPOSITION/SEC	6.997E 06	1.088E 07	8.616E 06	8.343E 06	8.382E 06	7.051E 06	3.202E 01	7.490E 01	2.013E 00	2.000E 00	2.000E 00	2.000E 00

TABLE X. (Continued)

(keV m⁻³ sec⁻¹/source neutron)

RADIAL DISTANCE INTERVAL (METERS)	3.030E-01 TO 5.000E-01 MEV NEUTRONS											
	3.00E-06	5.00E-06	7.00E-06	1.00E-06	1.00E-05	2.00E-05	3.50E-05	2.00E-05	3.50E-05	5.00E-05	3.50E-05	5.00E-05
0	3.024E	1.345E	4.233E	00	2.047E	00	000E	00	000E	00	000E	00
10	1.455E	1.135E	3.051E	00	8.490E	00	000E	00	400E	00	000E	00
40	2.229E	5.720E	3.488E	00	1.101E	00	000E	00	1.079E	00	000E	00
60	2.310E	5.025E	2.589E	00	9.880E	00	000E	00	1.183E	00	000E	00
80	2.000E	1.755E	2.480E	00	9.955E	00	000E	00	1.143E	00	000E	00
100	2.000E	1.000E	1.155E	00	5.025E	00	000E	00	1.725E	00	000E	00
125	2.000E	0.000E	0.000E	00	3.137E	00	000E	00	0.010E	00	000E	00
175	2.000E	0.000E	0.000E	00	1.214E	00	000E	00	2.261E	00	000E	00
225	2.000E	0.000E	0.000E	00	3.732E	00	000E	00	0.010E	00	000E	00
300	2.000E	0.000E	0.000E	00	0.000E	00	000E	00	2.046E	00	000E	00
350	2.000E	0.000E	0.000E	00	0.000E	00	000E	00	0.010E	00	000E	00
400	2.000E	0.000E	0.000E	00	0.000E	00	000E	00	2.856E	00	000E	00
450	2.000E	0.000E	0.000E	00	0.000E	00	000E	00	0.010E	00	000E	00
500	2.000E	0.000E	0.000E	00	0.000E	00	000E	00	0.010E	00	000E	00
600	2.000E	0.000E	0.000E	00	0.000E	00	000E	00	1.890E	00	000E	00
800	2.000E	0.000E	0.000E	00	0.000E	00	000E	00	0.000E	00	000E	00
1000	2.000E	0.000E	0.000E	00	0.000E	00	000E	00	0.000E	00	000E	00
1200	2.000E	0.000E	0.000E	00	0.000E	00	000E	00	0.000E	00	000E	00
TOTAL ENERGY DEPOSITION/SEC	7.255E	6.787E	6.459E	06	5.192E	06	3.855E	06	2.923E	06	2.923E	06

TABLE X. (Continued)

(keV m⁻³ sec⁻¹/source neutron)

		3.030E-01 TO 5.000E-01 MEV NEUTRONS										
		DELAY TIME (SEC)										
		5.00E-05	7.00E-05	1.00E-04	2.00E-04	4.00E-04	7.00E-04	1.00E-03	2.00E-03	4.00E-03	7.00E-03	1.00E-02
RADIAL DISTANCE	INTERVAL (METERS)											
0	0	1.499E-01	5.755E-02	9.600E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
10	10	8.080E-02	6.333E-02	1.815E-02	4.780E-02	7.095E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
40	40	6.860E-02	3.333E-02	8.445E-02	1.815E-02	6.950E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
60	60	5.860E-02	2.222E-02	7.120E-02	1.250E-02	5.050E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
80	80	4.018E-02	1.111E-02	5.073E-02	7.073E-02	3.500E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
100	100	3.333E-02	1.111E-02	3.830E-02	5.485E-02	2.800E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
125	125	3.333E-02	1.111E-02	3.640E-02	4.369E-02	2.150E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
150	150	2.222E-02	7.407E-03	2.800E-02	3.615E-02	1.861E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
175	175	2.222E-02	7.407E-03	2.730E-02	3.615E-02	1.559E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
200	200	1.667E-02	5.556E-03	2.050E-02	2.815E-02	1.199E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
250	250	1.667E-02	5.556E-03	1.690E-02	2.050E-02	9.999E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
300	300	1.250E-02	4.074E-03	1.250E-02	1.559E-02	7.330E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
350	350	1.250E-02	4.074E-03	1.060E-02	1.199E-02	6.862E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
400	400	1.250E-02	4.074E-03	9.999E-03	1.060E-02	6.862E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
450	450	1.250E-02	4.074E-03	9.999E-03	9.999E-03	6.862E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
500	500	1.250E-02	4.074E-03	9.999E-03	9.999E-03	6.862E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
600	600	1.250E-02	4.074E-03	9.999E-03	9.999E-03	6.862E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
800	800	1.250E-02	4.074E-03	9.999E-03	9.999E-03	6.862E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1000	1000	1.250E-02	4.074E-03	9.999E-03	9.999E-03	6.862E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1200	1200	1.250E-02	4.074E-03	9.999E-03	9.999E-03	6.862E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTAL ENERGY DEPOSITION/SEC		2.044E 06	1.422E 06	5.957E 05	1.261E 05	1.832E 04	3.904E 03	7.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-03

TABLE X. (Continued)

(keV m⁻³ sec⁻¹/source neutron)

3.030E-01 TO 5.000E-01 MEV NEUTRONS

RADIAL DISTANCE INTERVAL (METERS)	3.030E-01 TO 5.000E-01 MEV NEUTRONS	
	1.00E-03 - 2.00E-03	2.00E-03 - 3.50E-03
0 - 10	0.00E+00	1.133E-06
10 - 20	1.438E-06	1.100E-07
20 - 40	3.591E-06	1.541E-07
40 - 60	3.797E-06	3.095E-07
60 - 80	3.496E-06	4.152E-07
80 - 100	3.976E-06	4.281E-07
100 - 125	3.389E-06	4.275E-07
125 - 150	3.797E-06	4.870E-07
150 - 175	3.288E-06	4.174E-07
175 - 200	3.718E-06	3.590E-07
200 - 250	2.905E-06	3.986E-07
250 - 300	1.377E-06	2.149E-07
300 - 350	1.067E-06	1.660E-07
350 - 400	9.75E-07	1.600E-07
400 - 450	1.860E-07	7.850E-08
450 - 500	0.309E-07	5.710E-08
500 - 600	0.721E-08	2.584E-09
600 - 800	0.355E-09	6.680E-10
800 - 1000	0.556E-10	4.115E-11
1000 - 1200	1.873E-10	1.737E-11
1200 - 1500	7.372E-02	9.089E-01
TOTAL ENERGY DEPOSITION/SEC	7.372E 02	9.089E 01

TABLE XI. TIME-DEPENDENT ENERGY DEPOSITION IN AIR VS RADIAL DISTANCE FROM A POINT ISOTROPIC NEUTRON SOURCE EMITTING UNIFORMLY IN THE ENERGY INTERVAL FROM 0.50 TO 0.823 Mev

(keV m⁻³ sec⁻¹/source neutron)

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC)									
	0.00 - 2.00E-07	2.00E-07 - 3.00E-07	3.00E-07 - 5.00E-07	5.00E-07 - 1.00E-06	1.00E-06 - 2.00E-06	2.00E-06 - 3.00E-06	3.00E-06 - 5.00E-06	5.00E-06 - 1.00E-05	1.00E-05 - 2.00E-05	2.00E-05 - 3.00E-05
0 - 10.0	3.074E 03	2.628E 03	2.268E 03	2.224E 03	1.104E 02	1.371E 01				
10.0 - 20.0	.000E 00	.000E 00	.000E 00	1.079E 02	2.519E 02	3.139E 01				
20.0 - 40.0	.000E 00	.000E 00	.000E 00	.000E 00	1.141E 01	4.588E 00				
40.0 - 60.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00				
60.0 - 80.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00				
80.0 - 100.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00				
100.0 - 125.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00				
125.0 - 150.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00				
150.0 - 175.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00				
175.0 - 200.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00				
200.0 - 250.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00				
250.0 - 300.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00				
300.0 - 350.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00				
350.0 - 400.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00				
400.0 - 450.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00				
450.0 - 500.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00				
500.0 - 600.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00				
600.0 - 800.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00				
800.0 - 1200.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00				
1200.0 - 1500.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00				
TOTAL ENERGY DEPOSITION/SEC	1.288E 07	1.101E 07	9.498E 06	1.248E 07	1.053E 07	1.174E 07				

TABLE XI. (Continued)

(keV m⁻³ sec⁻¹/source neutron)

RADIAL DISTANCE INTERVAL (METERS)		5.000E-01 TO 8.230E-01 MEV NEUTRONS													
		5.00E-05		7.00E-05		1.00E-04		2.00E-04		4.00E-04		7.00E-04		1.00E-03	
		DEPOSITION/SEC		DELAY TIME (SEC)		DELAY TIME (SEC)		DELAY TIME (SEC)		DELAY TIME (SEC)		DELAY TIME (SEC)		DELAY TIME (SEC)	
0	10.00	0.000E+00	1.093E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
10	20.00	0.425E-02	1.924E-02	0.550E-03	6.735E-04	0.000E+00	0.099E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
20	40.00	0.345E-02	2.915E-02	0.210E-03	7.489E-04	0.000E+00	3.260E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
40	60.00	0.264E-02	2.078E-02	0.155E-03	5.488E-04	0.000E+00	2.310E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
60	80.00	0.210E-02	1.681E-02	0.110E-03	4.197E-04	0.000E+00	1.745E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
80	100.00	0.159E-02	1.177E-02	0.77E-04	3.044E-04	0.000E+00	1.25E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
100	125.00	0.117E-02	8.43E-03	0.55E-04	2.191E-04	0.000E+00	8.4E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
125	150.00	0.87E-03	6.23E-03	0.40E-04	1.51E-04	0.000E+00	6.34E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
150	200.00	0.61E-03	4.52E-03	0.28E-04	1.06E-04	0.000E+00	4.38E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
200	250.00	0.46E-03	3.25E-03	0.20E-04	7.6E-05	0.000E+00	3.1E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
250	300.00	0.35E-03	2.51E-03	0.15E-04	5.8E-05	0.000E+00	2.3E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
300	350.00	0.26E-03	1.83E-03	0.11E-04	4.2E-05	0.000E+00	1.7E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
350	400.00	0.20E-03	1.38E-03	0.08E-04	3.1E-05	0.000E+00	1.2E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
400	450.00	0.15E-03	1.02E-03	0.06E-04	2.3E-05	0.000E+00	8.8E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
450	500.00	0.11E-03	7.5E-04	0.04E-04	1.7E-05	0.000E+00	6.5E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
500	600.00	0.08E-03	5.6E-04	0.03E-04	1.2E-05	0.000E+00	4.8E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
600	800.00	0.05E-03	4.1E-04	0.02E-04	8.8E-06	0.000E+00	3.2E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
800	1000.00	0.03E-03	3.0E-04	0.01E-04	6.5E-06	0.000E+00	2.3E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1000	1200.00	0.02E-03	2.2E-04	0.00E-04	4.8E-06	0.000E+00	1.7E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1200	1500.00	0.01E-03	1.6E-04	0.00E-04	3.5E-06	0.000E+00	1.2E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTAL ENERGY DEPOSITION/SEC		3.888E-06	2.366E-06	8.970E-05	1.655E-05	2.112E-04	2.112E-04	4.219E-03	4.219E-03	1.655E-05	1.655E-05	2.112E-04	2.112E-04	4.219E-03	4.219E-03

TABLE XI. (Continued)

(keV m⁻³ sec⁻¹/source neutron)

5.00E-01 TO 8.230E-01 MEV NEUTRONS
DELAY TIME (SEC)

RADIAL DISTANCE INTERVAL (METERS)	1.00E-03		2.00E-03		3.50E-03	
	1.00E-03	2.00E-03	1.00E-03	2.00E-03	1.00E-03	2.00E-03
0	0	0	0	0	0	0
10	3.871E-06	0.000E-00	4.558E-07	0.000E-00	9.335E-07	0.000E-00
20	1.257E-06	0.000E-00	1.262E-07	0.000E-00	4.331E-07	0.000E-00
40	4.81E-07	0.000E-00	4.32E-08	0.000E-00	1.60E-08	0.000E-00
60	2.542E-07	0.000E-00	2.25E-08	0.000E-00	8.60E-09	0.000E-00
80	1.493E-07	0.000E-00	1.25E-08	0.000E-00	4.60E-09	0.000E-00
100	8.54E-08	0.000E-00	7.54E-09	0.000E-00	2.54E-09	0.000E-00
125	5.63E-08	0.000E-00	5.63E-09	0.000E-00	1.54E-09	0.000E-00
150	3.64E-08	0.000E-00	3.64E-09	0.000E-00	1.00E-09	0.000E-00
175	2.25E-08	0.000E-00	2.25E-09	0.000E-00	6.37E-10	0.000E-00
200	1.35E-08	0.000E-00	1.35E-09	0.000E-00	3.97E-10	0.000E-00
250	6.15E-09	0.000E-00	6.15E-10	0.000E-00	1.93E-10	0.000E-00
300	3.65E-09	0.000E-00	3.65E-10	0.000E-00	1.15E-10	0.000E-00
350	2.00E-09	0.000E-00	2.00E-10	0.000E-00	6.68E-11	0.000E-00
400	1.08E-09	0.000E-00	1.08E-10	0.000E-00	3.75E-11	0.000E-00
450	6.08E-10	0.000E-00	6.08E-11	0.000E-00	2.10E-11	0.000E-00
500	3.69E-10	0.000E-00	3.69E-11	0.000E-00	1.33E-11	0.000E-00
600	1.91E-10	0.000E-00	1.91E-11	0.000E-00	7.05E-12	0.000E-00
800	1.11E-10	0.000E-00	1.11E-11	0.000E-00	4.25E-12	0.000E-00
1000	6.36E-11	0.000E-00	6.36E-12	0.000E-00	2.79E-12	0.000E-00
1200	4.35E-11	0.000E-00	4.35E-12	0.000E-00	1.89E-12	0.000E-00
TOTAL ENERGY DEPOSITION/SEC	7.620E 02	9.090E 01	9.090E 01	9.090E 01	9.090E 01	9.090E 01

TABLE XII. (Continued)
 (keV m⁻³ sec⁻¹/source neutron)

RADIAL DISTANCE INTERVAL (METERS)		8.230E-01 TO 1.353E 00 MEV NEUTRONS									
		DELAY TIME (SEC)									
		3.00E-06	5.00E-06	7.00E-06	1.00E-05	1.00E-05	2.00E-05	2.00E-05	3.50E-05	3.50E-05	5.00E-05
0	0	920E-01	7.605E-01	2.150E-06	00	00	1.121E-05	00	000E-05	00	000E-05
10	0	2.093E-01	4.788E-00	2.705E-06	00	00	1.725E-05	01	000E-05	00	000E-05
20	0	7.563E-01	5.060E-00	2.479E-06	00	00	5.620E-05	01	000E-05	01	000E-05
40	0	1.603E-01	3.417E-00	1.749E-06	00	00	9.620E-05	01	000E-05	01	000E-05
60	0	1.103E-01	4.433E-00	1.174E-06	00	00	7.200E-05	01	000E-05	01	000E-05
80	0	1.986E-01	4.024E-00	1.470E-06	00	00	5.464E-05	01	000E-05	01	000E-05
100	0	0.000E-00	6.430E-00	1.486E-06	00	00	3.922E-05	01	000E-05	01	000E-05
125	0	0.000E-00	0.000E-00	1.935E-06	00	00	2.914E-05	01	000E-05	01	000E-05
150	0	0.000E-00	0.000E-00	0.000E-00	00	00	1.785E-05	02	000E-05	02	000E-05
175	0	0.000E-00	0.000E-00	0.000E-00	00	00	1.035E-05	03	000E-05	03	000E-05
200	0	0.000E-00	0.000E-00	0.000E-00	00	00	1.764E-05	00	000E-05	00	000E-05
250	0	0.000E-00	0.000E-00	0.000E-00	00	00	0.000E-00	00	000E-05	00	000E-05
300	0	0.000E-00	0.000E-00	0.000E-00	00	00	0.000E-00	00	000E-05	00	000E-05
350	0	0.000E-00	0.000E-00	0.000E-00	00	00	0.000E-00	00	000E-05	00	000E-05
400	0	0.000E-00	0.000E-00	0.000E-00	00	00	0.000E-00	00	000E-05	00	000E-05
450	0	0.000E-00	0.000E-00	0.000E-00	00	00	0.000E-00	00	000E-05	00	000E-05
500	0	0.000E-00	0.000E-00	0.000E-00	00	00	0.000E-00	00	000E-05	00	000E-05
600	0	0.000E-00	0.000E-00	0.000E-00	00	00	0.000E-00	00	000E-05	00	000E-05
800	0	0.000E-00	0.000E-00	0.000E-00	00	00	0.000E-00	00	000E-05	00	000E-05
1000	0	0.000E-00	0.000E-00	0.000E-00	00	00	0.000E-00	00	000E-05	00	000E-05
1200	0	0.000E-00	0.000E-00	0.000E-00	00	00	0.000E-00	00	000E-05	00	000E-05
1500	0	0.000E-00	0.000E-00	0.000E-00	00	00	0.000E-00	00	000E-05	00	000E-05
TOTAL ENERGY DEPOSITION/SEC		2.069E 07	1.981E 07	1.740E 07	1.435E 07	1.156E 07	8.595E 06	5.00E-05	3.50E-05	5.00E-05	8.595E 06

TABLE XII. (Continued)
 (keV m⁻³ sec⁻¹/source neutron)

		8.230E-01 TO 1.353E 00 MEV NEUTRONS									
		DELAY TIME (SEC)									
		5.00E-05	7.00E-05	1.00E-04	2.00E-04	4.00E-04	7.00E-04	1.00E-03	2.00E-03	4.00E-03	7.00E-03
RADIAL DISTANCE	INTERVAL (METERS)										
10	0	000E-00	000E-00	000E-00	5.685E-02	000E-00	000E-00	000E-00	000E-00	000E-00	000E-00
20	0	560E-00	020E-00	000E-00	2.789E-02	000E-00	000E-00	000E-00	000E-00	000E-00	000E-00
40	0	7.410E-00	020E-00	000E-00	4.369E-02	000E-00	000E-00	000E-00	000E-00	000E-00	000E-00
60	0	4.397E-00	020E-00	000E-00	2.526E-02	000E-00	000E-00	000E-00	000E-00	000E-00	000E-00
80	0	4.445E-00	020E-00	000E-00	5.590E-02	000E-00	000E-00	000E-00	000E-00	000E-00	000E-00
100	0	3.760E-00	020E-00	000E-00	5.025E-02	000E-00	000E-00	000E-00	000E-00	000E-00	000E-00
125	0	3.817E-00	020E-00	000E-00	5.528E-02	000E-00	000E-00	000E-00	000E-00	000E-00	000E-00
150	0	3.073E-00	020E-00	000E-00	6.663E-02	000E-00	000E-00	000E-00	000E-00	000E-00	000E-00
175	0	2.866E-00	020E-00	000E-00	7.220E-02	000E-00	000E-00	000E-00	000E-00	000E-00	000E-00
200	0	2.740E-00	020E-00	000E-00	7.221E-02	000E-00	000E-00	000E-00	000E-00	000E-00	000E-00
250	0	1.740E-00	020E-00	000E-00	4.022E-02	000E-00	000E-00	000E-00	000E-00	000E-00	000E-00
300	0	1.888E-00	020E-00	000E-00	2.706E-02	000E-00	000E-00	000E-00	000E-00	000E-00	000E-00
350	0	1.580E-00	020E-00	000E-00	2.709E-02	000E-00	000E-00	000E-00	000E-00	000E-00	000E-00
400	0	1.805E-00	020E-00	000E-00	1.499E-02	000E-00	000E-00	000E-00	000E-00	000E-00	000E-00
450	0	3.255E-00	020E-00	000E-00	8.158E-02	000E-00	000E-00	000E-00	000E-00	000E-00	000E-00
500	0	3.663E-00	020E-00	000E-00	1.390E-02	000E-00	000E-00	000E-00	000E-00	000E-00	000E-00
600	0	1.416E-00	020E-00	000E-00	3.770E-02	000E-00	000E-00	000E-00	000E-00	000E-00	000E-00
800	0	2.210E-00	020E-00	000E-00	3.324E-02	000E-00	000E-00	000E-00	000E-00	000E-00	000E-00
1000	0	0.000E-00	000E-00	000E-00	6.195E-02	000E-00	000E-00	000E-00	000E-00	000E-00	000E-00
1200	0	0.000E-00	000E-00	000E-00	7.195E-02	000E-00	000E-00	000E-00	000E-00	000E-00	000E-00
TOTAL ENERGY DEPOSITION/SEC		6.346E 06	4.057E 06	1.418E 06	2.543E 05	2.188E 05	2.543E 04	4.1595E 03	2.543E 04	4.1595E 03	2.543E 04

TABLE XII. (Continued)

(keV m⁻³ sec⁻¹/source neutron)

8.230E-01 TO 1.353E 00 MEV NEUTRONS

RADIAL DISTANCE INTERVAL (METERS)	1.00E-03 - 2.00E-03		3.50E-03	
	1.00E-03	2.00E-03	3.50E-03	2.00E-03
0 - 10.0	.000E 00	.000E 00	.000E 00	.000E 00
10.0 - 20.0	.7255E-06	.4865E-07	3.4865E-07	1.9655E-07
20.0 - 40.0	1.2691E-06	1.4533E-07	1.4533E-07	1.2966E-07
40.0 - 60.0	1.0318E-06	1.2788E-07	1.2788E-07	1.1932E-07
60.0 - 80.0	1.3659E-06	1.5949E-07	1.5949E-07	1.1594E-07
80.0 - 100.0	1.4549E-06	1.6422E-07	1.6422E-07	1.1601E-07
100.0 - 125.0	1.4209E-06	1.6011E-07	1.6011E-07	1.1538E-07
125.0 - 150.0	1.9550E-07	1.9550E-07	1.9550E-07	1.2199E-07
150.0 - 200.0	3.3351E-07	3.3351E-07	3.3351E-07	1.9713E-08
200.0 - 250.0	4.9614E-07	4.9614E-07	4.9614E-07	1.7300E-08
250.0 - 300.0	3.1544E-07	3.1544E-07	3.1544E-07	3.6066E-08
300.0 - 350.0	1.3057E-08	1.3057E-08	1.3057E-08	1.5222E-09
350.0 - 400.0	6.1159E-10	6.1159E-10	6.1159E-10	1.9222E-09
400.0 - 450.0	4.1159E-10	4.1159E-10	4.1159E-10	5.770E-11
450.0 - 500.0	7.839E 02	7.839E 02	7.839E 02	9.035E 01
500.0 - 600.0				
600.0 - 800.0				
800.0 - 1000.0				
1000.0 - 1200.0				
1200.0 - 1500.0				
TOTAL ENERGY DEPOSITION/SEC	7.839E 02	7.839E 02	7.839E 02	9.035E 01

TABLE XIII. TIME-DEPENDENT ENERGY DEPOSITION IN AIR VS RADIAL DISTANCE FROM A POINT ISOTROPIC NEUTRON SOURCE EMITTING UNIFORMLY IN THE ENERGY INTERVAL FROM 1.353 TO 1.738 MeV

(keV m⁻³ sec⁻¹/source neutron)

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC)										TOTAL ENERGY DEPOSITION/SEC
	0.0E-00	2.00E-07	3.00E-07	5.00E-07	9.480E-07	3.00E-07	5.00E-07	1.00E-07	1.00E-06	2.00E-06	
0	9.225E-03	1.059E-04	1.000E-00	1.000E-00	1.000E-00	1.000E-00	1.000E-00	1.000E-00	1.000E-00	1.000E-00	1.042E-01
10.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.804E-01
20.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.937E-01
40.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.543E-01
60.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
80.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
100.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
125.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
150.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
175.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
200.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
250.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
300.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
350.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
400.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
450.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
500.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
600.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
800.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1000.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1200.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
1500.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTAL ENERGY DEPOSITION/SEC	3.865E-07	4.437E-07	3.970E-07	4.228E-07	3.851E-07	3.471E-07	3.00E-06	2.00E-06	3.00E-06	3.471E-07	

TABLE XIII. (Continued)
 (keV m⁻³ sec⁻¹/source neutron)

		1.353E 00 TO 1.738E 00 MEV NEUTRONS	
		DELAY TIME (SEC)	
		1.00E-03	2.00E-03
		2.00E-03	3.50E-03
RADIAL DISTANCE			
INTERVAL (METERS)			
0	0	.000E 00	.000E 00
10	0	.000E 00	.000E 00
20	0	.258E-06	.393E-07
40	0	1.825E-07	2.373E-07
60	0	1.051E-06	1.216E-08
80	0	1.286E-06	1.445E-07
100	0	1.240E-07	1.101E-07
125	0	1.104E-06	1.282E-07
150	0	1.130E-07	1.184E-07
175	0	1.650E-06	1.200E-07
200	0	1.106E-06	1.317E-07
250	0	1.010E-07	1.530E-08
300	0	8.873E-07	7.550E-08
350	0	4.409E-07	4.610E-08
400	0	3.206E-07	3.25E-08
450	0	2.06E-07	3.25E-08
500	0	1.371E-08	4.459E-09
600	0	1.065E-08	4.087E-09
800	0	1.031E-08	1.177E-09
1000	0	1.344E-09	1.617E-10
1200	0		
1500	0		
TOTAL ENERGY DEPOSITION/SEC		7.704E 02	8.365E 01

TABLE XIV. TIME-DEPENDENT ENERGY DEPOSITION IN AIR VS RADIAL DISTANCE FROM A POINT ISOTROPIC NEUTRON SOURCE EMITTING UNIFORMLY IN THE ENERGY INTERVAL FROM 1.738 TO 2.232 MeV

(keV m⁻³ sec⁻¹/source neutron)

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC)											
	00E-07	2.00E-07	3.00E-07	4.00E-07	5.00E-07	6.00E-07	7.00E-07	8.00E-07	9.00E-07	1.00E-06	2.00E-06	3.00E-06
0	1.363E 04	1.305E 04	1.162E 04	1.041E 04	9.411E 03	8.511E 03	7.711E 03	7.011E 03	6.411E 03	5.911E 03	5.511E 03	5.211E 03
10	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
20	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
40	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
60	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
80	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
100	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
125	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
150	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
175	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
200	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
250	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
300	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
350	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
400	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
450	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
500	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
600	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
800	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
1000	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
1200	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
1500	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
TOTAL ENERGY DEPOSITION/SEC	5.708E 07	5.464E 07	4.983E 07	4.611E 07	4.281E 07	3.981E 07	3.701E 07	3.441E 07	3.201E 07	2.981E 07	2.781E 07	2.601E 07

TABLE XIV. (Continued)
 (keV m⁻³ sec⁻¹/source neutron)

		1.738E 00 TO 2.232E 00 MEV NEUTRONS	
		DELAY TIME (SEC)	
		1.00E-03 - 2.00E-03	2.00E-03 - 3.50E-03
RADIAL DISTANCE	INTERVAL (METERS)		
0	0	.000E 00	.000E 00
10	10	.000E 00	1.007E-07
20	20	.378E-06	1.595E-08
40	40	2.838E-06	1.080E-07
60	60	1.510E-07	1.111E-07
80	80	1.430E-06	1.594E-07
100	100	1.218E-07	1.053E-07
125	125	7.895E-07	1.036E-07
150	150	7.180E-07	1.167E-07
175	175	7.895E-07	1.875E-08
200	200	8.445E-07	9.070E-08
250	250	8.030E-07	7.420E-08
300	300	6.965E-07	7.895E-08
350	350	6.476E-07	6.480E-08
400	400	4.069E-07	5.470E-08
450	450	4.069E-07	4.349E-08
500	500	2.925E-07	3.107E-08
600	600	1.291E-07	3.156E-08
800	800	1.050E-08	4.537E-09
1000	1000	1.190E-09	1.17E-09
1200	1200	2.081E-09	1.887E-10
TOTAL ENERGY DEPOSITION/SEC		7.155E 02	8.007E 01

TABLE XV. TIME-DEPENDENT ENERGY DEPOSITION IN AIR VS RADIAL DISTANCE FROM A POINT ISOTROPIC NEUTRON SOURCE EMITTING UNIFORMLY IN THE ENERGY INTERVAL FROM 2.232 TO 2.865 Mev

(keV m⁻³ sec⁻¹/source neutron)

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC)										TOTAL ENERGY DEPOSITION/SEC	
	0.0E-07	2.00E-07	3.00E-07	5.00E-07	1.00E-06	2.00E-06	3.00E-06	5.00E-06	1.00E-05	2.00E-05		
10.0	2.084E 04	2.072E 04	1.177E 04	5.360E 02	7.185E 01	1.09E 00	1.00E 00	1.00E 00	1.00E 00	1.00E 00	2.00E-06	7.787E 07
20.0	0.000E 00	0.000E 00	1.350E 02	1.669E 03	5.945E 01	1.132E 01	1.00E 00	1.00E 00	1.00E 00	1.00E 00	3.00E-06	7.787E 07
40.0	0.000E 00	0.000E 00	0.000E 00	4.465E 01	3.156E 02	2.525E 01	1.00E 00	1.00E 00	1.00E 00	1.00E 00	3.00E-06	7.787E 07
60.0	0.000E 00	0.000E 00	0.000E 00	0.000E 00	3.847E 01	6.501E 01	1.00E 00	1.00E 00	1.00E 00	1.00E 00	3.00E-06	7.787E 07
80.0	0.000E 00	0.000E 00	0.000E 00	0.000E 00	0.000E 00	0.000E 00	1.00E 00	1.00E 00	1.00E 00	1.00E 00	3.00E-06	7.787E 07
100.0	0.000E 00	0.000E 00	0.000E 00	0.000E 00	0.000E 00	0.000E 00	1.00E 00	1.00E 00	1.00E 00	1.00E 00	3.00E-06	7.787E 07
125.0	0.000E 00	0.000E 00	0.000E 00	0.000E 00	0.000E 00	0.000E 00	1.00E 00	1.00E 00	1.00E 00	1.00E 00	3.00E-06	7.787E 07
150.0	0.000E 00	0.000E 00	0.000E 00	0.000E 00	0.000E 00	0.000E 00	1.00E 00	1.00E 00	1.00E 00	1.00E 00	3.00E-06	7.787E 07
175.0	0.000E 00	0.000E 00	0.000E 00	0.000E 00	0.000E 00	0.000E 00	1.00E 00	1.00E 00	1.00E 00	1.00E 00	3.00E-06	7.787E 07
200.0	0.000E 00	0.000E 00	0.000E 00	0.000E 00	0.000E 00	0.000E 00	1.00E 00	1.00E 00	1.00E 00	1.00E 00	3.00E-06	7.787E 07
250.0	0.000E 00	0.000E 00	0.000E 00	0.000E 00	0.000E 00	0.000E 00	1.00E 00	1.00E 00	1.00E 00	1.00E 00	3.00E-06	7.787E 07
300.0	0.000E 00	0.000E 00	0.000E 00	0.000E 00	0.000E 00	0.000E 00	1.00E 00	1.00E 00	1.00E 00	1.00E 00	3.00E-06	7.787E 07
350.0	0.000E 00	0.000E 00	0.000E 00	0.000E 00	0.000E 00	0.000E 00	1.00E 00	1.00E 00	1.00E 00	1.00E 00	3.00E-06	7.787E 07
400.0	0.000E 00	0.000E 00	0.000E 00	0.000E 00	0.000E 00	0.000E 00	1.00E 00	1.00E 00	1.00E 00	1.00E 00	3.00E-06	7.787E 07
450.0	0.000E 00	0.000E 00	0.000E 00	0.000E 00	0.000E 00	0.000E 00	1.00E 00	1.00E 00	1.00E 00	1.00E 00	3.00E-06	7.787E 07
500.0	0.000E 00	0.000E 00	0.000E 00	0.000E 00	0.000E 00	0.000E 00	1.00E 00	1.00E 00	1.00E 00	1.00E 00	3.00E-06	7.787E 07
600.0	0.000E 00	0.000E 00	0.000E 00	0.000E 00	0.000E 00	0.000E 00	1.00E 00	1.00E 00	1.00E 00	1.00E 00	3.00E-06	7.787E 07
800.0	0.000E 00	0.000E 00	0.000E 00	0.000E 00	0.000E 00	0.000E 00	1.00E 00	1.00E 00	1.00E 00	1.00E 00	3.00E-06	7.787E 07
1000.0	0.000E 00	0.000E 00	0.000E 00	0.000E 00	0.000E 00	0.000E 00	1.00E 00	1.00E 00	1.00E 00	1.00E 00	3.00E-06	7.787E 07
1200.0	0.000E 00	0.000E 00	0.000E 00	0.000E 00	0.000E 00	0.000E 00	1.00E 00	1.00E 00	1.00E 00	1.00E 00	3.00E-06	7.787E 07
1500.0	0.000E 00	0.000E 00	0.000E 00	0.000E 00	0.000E 00	0.000E 00	1.00E 00	1.00E 00	1.00E 00	1.00E 00	3.00E-06	7.787E 07

TABLE XV. (Continued)

(keV m⁻³ sec⁻¹/source neutron)

		2.232E 00 TO 2.865E 00 MEV NEUTRONS									
		DELAY TIME (SEC)									
		5.00E-05	7.00E-05	1.00E-04	2.00E-04	4.00E-04	7.00E-04	1.00E-03	2.00E-03	4.00E-03	7.00E-03
RADIAL DISTANCE	INTERVAL (METERS)										
0	0	000E-00	000E-00	000E-00	000E-00	000E-00	000E-00	000E-00	000E-00	000E-00	000E-00
10	10	135E-02	64	000E-00	000E-00	000E-00	000E-00	000E-00	000E-00	000E-00	000E-00
20	20	937E-02	11	600E-00	000E-00	000E-00	000E-00	000E-00	000E-00	000E-00	000E-00
40	40	2082E-02	11	128E-00	000E-00	000E-00	000E-00	000E-00	000E-00	000E-00	000E-00
60	60	1504E-02	11	104E-00	000E-00	000E-00	000E-00	000E-00	000E-00	000E-00	000E-00
80	80	1158E-02	11	91E-00	000E-00	000E-00	000E-00	000E-00	000E-00	000E-00	000E-00
100	100	934E-02	11	88E-00	000E-00	000E-00	000E-00	000E-00	000E-00	000E-00	000E-00
125	125	846E-02	11	88E-00	000E-00	000E-00	000E-00	000E-00	000E-00	000E-00	000E-00
150	150	795E-02	11	88E-00	000E-00	000E-00	000E-00	000E-00	000E-00	000E-00	000E-00
175	175	750E-02	11	88E-00	000E-00	000E-00	000E-00	000E-00	000E-00	000E-00	000E-00
200	200	719E-02	11	88E-00	000E-00	000E-00	000E-00	000E-00	000E-00	000E-00	000E-00
250	250	695E-02	11	88E-00	000E-00	000E-00	000E-00	000E-00	000E-00	000E-00	000E-00
300	300	679E-02	11	88E-00	000E-00	000E-00	000E-00	000E-00	000E-00	000E-00	000E-00
350	350	669E-02	11	88E-00	000E-00	000E-00	000E-00	000E-00	000E-00	000E-00	000E-00
400	400	660E-02	11	88E-00	000E-00	000E-00	000E-00	000E-00	000E-00	000E-00	000E-00
450	450	650E-02	11	88E-00	000E-00	000E-00	000E-00	000E-00	000E-00	000E-00	000E-00
500	500	640E-02	11	88E-00	000E-00	000E-00	000E-00	000E-00	000E-00	000E-00	000E-00
600	600	622E-02	11	88E-00	000E-00	000E-00	000E-00	000E-00	000E-00	000E-00	000E-00
800	800	615E-02	11	88E-00	000E-00	000E-00	000E-00	000E-00	000E-00	000E-00	000E-00
1000	1000	614E-02	11	88E-00	000E-00	000E-00	000E-00	000E-00	000E-00	000E-00	000E-00
1200	1200	614E-02	11	88E-00	000E-00	000E-00	000E-00	000E-00	000E-00	000E-00	000E-00
TOTAL ENERGY DEPOSITION/SEC		1.141E 07	6.459E 06	2.166E 06	2.669E 05	2.506E 04	2.166E 04	1.688E 03	1.664E 02	1.688E 01	3.892E 00

TABLE XV. (Continued)

(keV m⁻³ sec⁻¹/source neutron)

2.232E 00 TO 2.665E 00 MEV NEUTRONS

RADIAL DISTANCE INTERVAL (METERS)	2.232E 00 TO 2.665E 00 MEV NEUTRONS	
	1.00E-03 - 2.00E-03	2.00E-03 - 3.50E-03
0	000E00	000E00
10	000E00	000E00
20	000E00	000E00
40	4.209E-07	9.74E-08
60	2.108E-07	4.85E-08
80	1.405E-07	3.05E-08
100	1.072E-07	2.24E-08
125	8.620E-08	1.750E-08
150	7.330E-08	1.500E-08
175	6.320E-08	1.300E-08
200	5.519E-08	1.150E-08
250	4.532E-08	9.35E-09
300	3.852E-08	7.92E-09
350	3.328E-08	6.83E-09
400	2.908E-08	5.92E-09
450	2.578E-08	5.14E-09
500	2.309E-08	4.50E-09
600	1.979E-08	3.81E-09
800	1.369E-08	2.51E-09
1000	1.027E-08	1.84E-09
1200	7.70E-09	1.37E-09
TOTAL ENERGY DEPOSITION/SEC	6.224E 02	6.777E 01

TABLE XVI. (Continued)

(keV m⁻³ sec⁻¹/source neutron)

RADIAL DISTANCE INTERVAL (METERS)		2.865E 00 TO 3.680E 00 MEV NEUTRONS											
		3.00E-06		5.00E-06		7.00E-06		1.00E-05		2.00E-05		3.50E-05	
		DELAY TIME (SEC)		DELAY TIME (SEC)		DELAY TIME (SEC)		DELAY TIME (SEC)		DELAY TIME (SEC)		DELAY TIME (SEC)	
0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0	0	0	0	0	0	0
80	0	0	0	0	0	0	0	0	0	0	0	0	0
100	0	0	0	0	0	0	0	0	0	0	0	0	0
125	0	0	0	0	0	0	0	0	0	0	0	0	0
150	0	0	0	0	0	0	0	0	0	0	0	0	0
175	0	0	0	0	0	0	0	0	0	0	0	0	0
200	0	0	0	0	0	0	0	0	0	0	0	0	0
250	0	0	0	0	0	0	0	0	0	0	0	0	0
300	0	0	0	0	0	0	0	0	0	0	0	0	0
350	0	0	0	0	0	0	0	0	0	0	0	0	0
400	0	0	0	0	0	0	0	0	0	0	0	0	0
450	0	0	0	0	0	0	0	0	0	0	0	0	0
500	0	0	0	0	0	0	0	0	0	0	0	0	0
600	0	0	0	0	0	0	0	0	0	0	0	0	0
800	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL ENERGY DEPOSITION/SEC		1.322E 08	1.136E 08	8.915E 07	6.023E 07	3.178E 07	1.778E 07	1.177E 07	7.500E 06	5.000E 06	3.500E 06	2.500E 06	1.778E 07

TABLE XVI. (Continued)
 (keV m⁻³ sec⁻¹/source neutron)

RADIAL DISTANCE INTERVAL (METERS)		2.865E 00 TO 3.680E 00 MEV NEUTRONS DELAY TIME (SEC)	
1.00E-03	2.00E-03	2.00E-03	3.50E-03
0	0	.000E 00	.000E 00
10	10	.965E-07	.000E 00
20	20	1.282E-06	.000E 00
40	40	1.5480E-07	1.803E-08
60	60	3.779E-07	7.770E-08
80	80	1.35E-07	7.105E-08
100	100	1.302E-07	3.420E-08
125	125	4.468E-07	5.690E-08
150	150	4.223E-07	5.090E-08
175	175	5.400E-07	5.471E-08
200	200	4.400E-07	4.724E-08
250	250	3.658E-07	3.409E-08
300	300	2.578E-07	2.844E-08
350	350	2.174E-07	2.222E-08
400	400	1.697E-07	1.41E-08
450	450	1.365E-08	1.785E-08
500	500	3.600E-08	1.038E-09
600	600	1.359E-09	1.394E-09
800	800	1.750E-09	1.734E-10
1000	1000		
1200	1200		
1500	1500		
TOTAL ENERGY DEPOSITION/SEC		4.786E 02	5.168E 01

TABLE XVII. (Continued)

(keV m⁻³ sec⁻¹/source neutron)

		3.680E 00 TO 6.070E 00 MEV NEUTRONS									
		DELAY TIME (SEC)									
		5.00E-05	7.00E-05	1.00E-04	2.00E-04	4.00E-04	7.00E-04	1.00E-03	2.00E-03	4.00E-03	7.00E-03
RADIAL DISTANCE	INTERVAL (METERS)										
10	0	000E-05	000E-05	000E-04	000E-04	000E-04	000E-04	000E-04	000E-04	000E-04	000E-04
20	0	000E-05	000E-05	000E-04	000E-04	000E-04	000E-04	000E-04	000E-04	000E-04	000E-04
40	0	000E-05	000E-05	000E-04	000E-04	000E-04	000E-04	000E-04	000E-04	000E-04	000E-04
60	0	000E-05	000E-05	000E-04	000E-04	000E-04	000E-04	000E-04	000E-04	000E-04	000E-04
80	0	000E-05	000E-05	000E-04	000E-04	000E-04	000E-04	000E-04	000E-04	000E-04	000E-04
100	0	000E-05	000E-05	000E-04	000E-04	000E-04	000E-04	000E-04	000E-04	000E-04	000E-04
125	0	000E-05	000E-05	000E-04	000E-04	000E-04	000E-04	000E-04	000E-04	000E-04	000E-04
150	0	000E-05	000E-05	000E-04	000E-04	000E-04	000E-04	000E-04	000E-04	000E-04	000E-04
175	0	000E-05	000E-05	000E-04	000E-04	000E-04	000E-04	000E-04	000E-04	000E-04	000E-04
200	0	000E-05	000E-05	000E-04	000E-04	000E-04	000E-04	000E-04	000E-04	000E-04	000E-04
250	0	000E-05	000E-05	000E-04	000E-04	000E-04	000E-04	000E-04	000E-04	000E-04	000E-04
300	0	000E-05	000E-05	000E-04	000E-04	000E-04	000E-04	000E-04	000E-04	000E-04	000E-04
350	0	000E-05	000E-05	000E-04	000E-04	000E-04	000E-04	000E-04	000E-04	000E-04	000E-04
400	0	000E-05	000E-05	000E-04	000E-04	000E-04	000E-04	000E-04	000E-04	000E-04	000E-04
450	0	000E-05	000E-05	000E-04	000E-04	000E-04	000E-04	000E-04	000E-04	000E-04	000E-04
500	0	000E-05	000E-05	000E-04	000E-04	000E-04	000E-04	000E-04	000E-04	000E-04	000E-04
600	0	000E-05	000E-05	000E-04	000E-04	000E-04	000E-04	000E-04	000E-04	000E-04	000E-04
800	0	000E-05	000E-05	000E-04	000E-04	000E-04	000E-04	000E-04	000E-04	000E-04	000E-04
1000	0	000E-05	000E-05	000E-04	000E-04	000E-04	000E-04	000E-04	000E-04	000E-04	000E-04
1200	0	000E-05	000E-05	000E-04	000E-04	000E-04	000E-04	000E-04	000E-04	000E-04	000E-04
TOTAL ENERGY DEPOSITION/SEC		9.477E 06	4.507E 06	1.385E 06	1.533E 05	1.293E 04	1.929E 03	1.000E-04	1.000E-04	1.000E-04	1.000E-04

TABLE XVII. (Continued)
 (keV m⁻³ sec⁻¹/source neutron)

RADIAL DISTANCE INTERVAL (METERS)		3.680E 00 TO 6.070E 00 MEV NEUTRONS DELAY TIME (SEC)	
1	2	1	2
10.0	10.0	000E 00	000E 00
20.0	20.0	000E 00	000E 00
40.0	40.0	186E-07	103E-08
60.0	60.0	594E-07	195E-08
80.0	80.0	726E-07	238E-08
100.0	100.0	965E-07	279E-08
125.0	125.0	832E-07	479E-08
150.0	150.0	960E-07	527E-08
175.0	175.0	120E-07	710E-08
200.0	200.0	150E-07	866E-08
250.0	250.0	176E-07	106E-08
300.0	300.0	184E-07	123E-08
350.0	350.0	378E-07	228E-08
400.0	400.0	408E-07	280E-08
450.0	450.0	409E-07	310E-08
500.0	500.0	160E-08	320E-08
600.0	600.0	142E-08	320E-08
800.0	800.0	555E-09	555E-09
1000.0	1000.0	611E-09	558E-09
1200.0	1200.0		
TOTAL ENERGY DEPOSITION/SEC		2.991E 02	3.109E 01

TABLE XVIII. TIME-DEPENDENT ENERGY DEPOSITION IN AIR VS RADIAL DISTANCE FROM A POINT ISOTROPIC NEUTRON SOURCE EMITTING UNIFORMLY IN THE ENERGY INTERVAL FROM 6.070 TO 7.790 Mev

(keV m⁻³ sec⁻¹/source neutron)

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC)									
	0.0E-07	2.00E-07	3.00E-07	3.00E-07	5.00E-07	1.00E-06	1.00E-06	2.00E-06	2.00E-06	3.00E-06
0	9.915E 04	3.423E 04	3.246E 02	3.246E 02	3.246E 02	3.246E 02	3.246E 02	3.246E 02	3.246E 02	3.246E 02
10.0	.000E 00	8.825E 03	9.125E 03	9.125E 03	9.125E 03	9.125E 03	9.125E 03	9.125E 03	9.125E 03	9.125E 03
20.0	.000E 00	.000E 00	2.651E 02	2.651E 02	2.651E 02	2.651E 02	2.651E 02	2.651E 02	2.651E 02	2.651E 02
40.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
60.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
80.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
100.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
125.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
150.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
175.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
200.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
250.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
300.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
350.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
400.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
450.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
500.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
600.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
800.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
1000.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
1200.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
1500.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
TOTAL ENERGY DEPOSITION/SEC	4.153E 08	4.021E 08	3.311E 08	3.311E 08	3.989E 08	3.989E 08	3.291E 08	3.159E 08	3.159E 08	3.159E 08

TABLE XVIII. (Continued)

(keV m⁻³ sec⁻¹/source neutron)

RADIAL DISTANCE INTERVAL (METERS)		6.070E 00 TO 7.790E 00 MEV NEUTRONS										
		DELAY TIME (SEC)										
		3.00E-06	5.00E-06	7.00E-06	1.00E-05	2.00E-05	3.50E-05	5.00E-05	0.00E-05	2.00E-05	3.50E-05	5.00E-05
0	0	000E 00	000E 00	000E 00	000E 00	000E 00	000E 00	000E 00	000E 00	000E 00	000E 00	000E 00
10	10	336E 01	184E 01	169E 00	757E 01	706E 00	405E 00	200E 01	200E 00	405E 00	200E 01	200E 00
20	20	300E 00	131E 00	107E 00	169E 00	200E 01	138E 00	87E 01	38E 00	138E 00	87E 01	87E 01
40	40	315E 00	321E 00	295E 00	169E 00	200E 01	238E 00	200E 01	238E 00	200E 01	238E 00	200E 01
60	60	345E 00	327E 00	295E 00	169E 00	200E 01	238E 00	200E 01	238E 00	200E 01	238E 00	200E 01
80	80	372E 00	354E 00	327E 00	169E 00	200E 01	238E 00	200E 01	238E 00	200E 01	238E 00	200E 01
100	100	390E 00	372E 00	354E 00	169E 00	200E 01	238E 00	200E 01	238E 00	200E 01	238E 00	200E 01
125	125	410E 00	390E 00	372E 00	169E 00	200E 01	238E 00	200E 01	238E 00	200E 01	238E 00	200E 01
150	150	415E 00	410E 00	390E 00	169E 00	200E 01	238E 00	200E 01	238E 00	200E 01	238E 00	200E 01
175	175	434E 00	415E 00	390E 00	169E 00	200E 01	238E 00	200E 01	238E 00	200E 01	238E 00	200E 01
200	200	454E 00	434E 00	410E 00	169E 00	200E 01	238E 00	200E 01	238E 00	200E 01	238E 00	200E 01
250	250	450E 00	454E 00	434E 00	169E 00	200E 01	238E 00	200E 01	238E 00	200E 01	238E 00	200E 01
300	300	450E 00	450E 00	434E 00	169E 00	200E 01	238E 00	200E 01	238E 00	200E 01	238E 00	200E 01
350	350	450E 00	450E 00	434E 00	169E 00	200E 01	238E 00	200E 01	238E 00	200E 01	238E 00	200E 01
400	400	450E 00	450E 00	434E 00	169E 00	200E 01	238E 00	200E 01	238E 00	200E 01	238E 00	200E 01
450	450	450E 00	450E 00	434E 00	169E 00	200E 01	238E 00	200E 01	238E 00	200E 01	238E 00	200E 01
500	500	450E 00	450E 00	434E 00	169E 00	200E 01	238E 00	200E 01	238E 00	200E 01	238E 00	200E 01
600	600	450E 00	450E 00	434E 00	169E 00	200E 01	238E 00	200E 01	238E 00	200E 01	238E 00	200E 01
800	800	450E 00	450E 00	434E 00	169E 00	200E 01	238E 00	200E 01	238E 00	200E 01	238E 00	200E 01
1200	1200	450E 00	450E 00	434E 00	169E 00	200E 01	238E 00	200E 01	238E 00	200E 01	238E 00	200E 01
1500	1500	450E 00	450E 00	434E 00	169E 00	200E 01	238E 00	200E 01	238E 00	200E 01	238E 00	200E 01
TOTAL ENERGY DEPOSITION/SEC		2.661E 08	2.393E 08	2.049E 08	1.742E 08	1.633E 08	1.462E 08	1.222E 08	1.022E 08	8.44E 07	7.14E 07	6.24E 07

TABLE XVIII. (Continued)

(keV m⁻³ sec⁻¹/source neutron)

6.070E 00 TO 7.790E 00 MEV NEUTRONS
DELAY TIME (SEC)

RADIAL DISTANCE INTERVAL (METERS)	6.070E 00 TO 7.790E 00 MEV NEUTRONS DELAY TIME (SEC)		TOTAL ENERGY DEPOSITION/SEC
	1.00E-03 - 2.00E-03	2.00E-03 - 3.50E-03	
0	.000E 00	.000E 00	0
10	.672E-07	.000E 00	0
20	1.609E-07	.000E 00	0
40	4.799E-07	1.079E-08	0
60	1.723E-07	3.743E-08	0
80	1.144E-07	2.702E-08	0
100	7.209E-07	1.853E-08	0
125	2.209E-07	5.389E-08	0
150	1.419E-07	3.291E-08	0
175	1.579E-07	3.724E-08	0
200	5.379E-07	2.270E-08	0
250	1.538E-07	1.613E-08	0
300	6.226E-07	1.564E-08	0
350	2.259E-08	1.720E-09	0
400	1.170E-08	5.248E-09	0
450	4.217E-09	1.487E-09	0
500	1.106E-09	3.433E-10	0
600	1.170E-08	1.133E-09	0
800	1.106E-09	3.433E-10	0
1000	1.106E-09	3.433E-10	0
1200	1.106E-09	3.433E-10	0
TOTAL ENERGY DEPOSITION/SEC	2.782E 02	3.089E 01	

TABLE XIX. (Continued)

(keV m⁻³ sec⁻¹/source neutron)

RADIAL DISTANCE INTERVAL (METERS)		7.790E 00 TO 1.000E 01 MEV NEUTRONS											
		3.00E-06		5.00E-06		7.00E-06		1.00E-05		2.00E-05		3.50E-05	
		DEPOSITION/SEC		DEPOSITION/SEC		DEPOSITION/SEC		DEPOSITION/SEC		DEPOSITION/SEC		DEPOSITION/SEC	
		3.860E 08		3.026E 08		2.230E 08		1.410E 08		6.389E 07		2.730E 07	
0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0	0	0	0	0	0	0
80	0	0	0	0	0	0	0	0	0	0	0	0	0
100	0	0	0	0	0	0	0	0	0	0	0	0	0
125	0	0	0	0	0	0	0	0	0	0	0	0	0
150	0	0	0	0	0	0	0	0	0	0	0	0	0
175	0	0	0	0	0	0	0	0	0	0	0	0	0
200	0	0	0	0	0	0	0	0	0	0	0	0	0
250	0	0	0	0	0	0	0	0	0	0	0	0	0
300	0	0	0	0	0	0	0	0	0	0	0	0	0
350	0	0	0	0	0	0	0	0	0	0	0	0	0
400	0	0	0	0	0	0	0	0	0	0	0	0	0
450	0	0	0	0	0	0	0	0	0	0	0	0	0
500	0	0	0	0	0	0	0	0	0	0	0	0	0
600	0	0	0	0	0	0	0	0	0	0	0	0	0
800	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0	0	0	0	0	0	0
80	0	0	0	0	0	0	0	0	0	0	0	0	0
100	0	0	0	0	0	0	0	0	0	0	0	0	0
125	0	0	0	0	0	0	0	0	0	0	0	0	0
150	0	0	0	0	0	0	0	0	0	0	0	0	0
175	0	0	0	0	0	0	0	0	0	0	0	0	0
200	0	0	0	0	0	0	0	0	0	0	0	0	0
250	0	0	0	0	0	0	0	0	0	0	0	0	0
300	0	0	0	0	0	0	0	0	0	0	0	0	0
350	0	0	0	0	0	0	0	0	0	0	0	0	0
400	0	0	0	0	0	0	0	0	0	0	0	0	0
450	0	0	0	0	0	0	0	0	0	0	0	0	0
500	0	0	0	0	0	0	0	0	0	0	0	0	0
600	0	0	0	0	0	0	0	0	0	0	0	0	0
800	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0	0	0	0	0	0	0
80	0	0	0	0	0	0	0	0	0	0	0	0	0
100	0	0	0	0	0	0	0	0	0	0	0	0	0
125	0	0	0	0	0	0	0	0	0	0	0	0	0
150	0	0	0	0	0	0	0	0	0	0	0	0	0
175	0	0	0	0	0	0	0	0	0	0	0	0	0
200	0	0	0	0	0	0	0	0	0	0	0	0	0
250	0	0	0	0	0	0	0	0	0	0	0	0	0
300	0	0	0	0	0	0	0	0	0	0	0	0	0
350	0	0	0	0	0	0	0	0	0	0	0	0	0
400	0	0	0	0	0	0	0	0	0	0	0	0	0
450	0	0	0	0	0	0	0	0	0	0	0	0	0
500	0	0	0	0	0	0	0	0	0	0	0	0	0
600	0	0	0	0	0	0	0	0	0	0	0	0	0
800	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	0	0	0	0	0	0	0	0	0	0	0	0	0

TOTAL ENERGY DEPOSITION/SEC

TABLE XIX. (Continued)
 (keV m⁻³ sec⁻¹/source neutron)

7.790E 00 TO 1.000E 01 MEV NEUTRONS
 DELAY TIME (SEC)

RADIAL DISTANCE INTERVAL (METERS)	1.00E-03		2.00E-03		3.50E-03	
	1.00E-03	2.00E-03	1.00E-03	2.00E-03	1.00E-03	2.00E-03
10.0	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
20.0	.525E-07	.525E-07	.525E-07	.525E-07	.525E-07	.525E-07
40.0	1.208E-07	1.208E-07	1.208E-07	1.208E-07	1.208E-07	1.208E-07
60.0	3.417E-07	3.417E-07	3.417E-07	3.417E-07	3.417E-07	3.417E-07
80.0	9.388E-07	9.388E-07	9.388E-07	9.388E-07	9.388E-07	9.388E-07
100.0	1.937E-06	1.937E-06	1.937E-06	1.937E-06	1.937E-06	1.937E-06
125.0	3.957E-06	3.957E-06	3.957E-06	3.957E-06	3.957E-06	3.957E-06
150.0	7.281E-06	7.281E-06	7.281E-06	7.281E-06	7.281E-06	7.281E-06
175.0	1.270E-05	1.270E-05	1.270E-05	1.270E-05	1.270E-05	1.270E-05
200.0	2.183E-05	2.183E-05	2.183E-05	2.183E-05	2.183E-05	2.183E-05
250.0	4.637E-05	4.637E-05	4.637E-05	4.637E-05	4.637E-05	4.637E-05
300.0	8.577E-05	8.577E-05	8.577E-05	8.577E-05	8.577E-05	8.577E-05
350.0	1.580E-04	1.580E-04	1.580E-04	1.580E-04	1.580E-04	1.580E-04
400.0	2.937E-04	2.937E-04	2.937E-04	2.937E-04	2.937E-04	2.937E-04
450.0	5.405E-04	5.405E-04	5.405E-04	5.405E-04	5.405E-04	5.405E-04
500.0	1.005E-03	1.005E-03	1.005E-03	1.005E-03	1.005E-03	1.005E-03
600.0	1.956E-03	1.956E-03	1.956E-03	1.956E-03	1.956E-03	1.956E-03
800.0	3.660E-03	3.660E-03	3.660E-03	3.660E-03	3.660E-03	3.660E-03
1000.0	6.153E-03	6.153E-03	6.153E-03	6.153E-03	6.153E-03	6.153E-03
1200.0	1.153E-02	1.153E-02	1.153E-02	1.153E-02	1.153E-02	1.153E-02
TOTAL ENERGY DEPOSITION/SEC	3.101E 02	3.101E 02	3.278E 01	3.278E 01	3.278E 01	3.278E 01

TABLE XX. TIME-DEPENDENT ENERGY DEPOSITION IN AIR VS RADIAL DISTANCE FROM A POINT ISOTROPIC NEUTRON SOURCE EMITTING UNIFORMLY IN THE ENERGY INTERVAL FROM 10.0 TO 12.0 Mev

(keV m⁻³ sec⁻¹/source neutron)

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC)											
	0.0E-07	2.00E-07	3.00E-07	5.00E-07	1.00E-06	2.00E-06	3.00E-06	5.00E-06	1.00E-05	2.00E-05	3.00E-05	5.00E-05
10.0	2.677E	05	1.206E	03	00E	00	1.802E	02	00E	00	00E	00
20.0	2.00E	03	4.390E	04	240E	04	1.551E	03	4.693E	01	159E	00
40.0	0.00E	00	0.00E	00	0.00E	00	2.256E	03	3.289E	01	396E	00
60.0	0.00E	00	0.00E	00	0.00E	00	6.100E	02	2.106E	02	192E	00
80.0	0.00E	00	0.00E	00	0.00E	00	0.00E	00	2.147E	02	157E	00
100.0	0.00E	00	0.00E	00	0.00E	00	0.00E	00	1.563E	01	137E	00
125.0	0.00E	00	0.00E	00	0.00E	00	0.00E	00	1.807E	00	137E	00
150.0	0.00E	00	0.00E	00	0.00E	00	0.00E	00	0.00E	00	137E	00
175.0	0.00E	00	0.00E	00	0.00E	00	0.00E	00	0.00E	00	137E	00
200.0	0.00E	00	0.00E	00	0.00E	00	0.00E	00	0.00E	00	137E	00
250.0	0.00E	00	0.00E	00	0.00E	00	0.00E	00	0.00E	00	137E	00
300.0	0.00E	00	0.00E	00	0.00E	00	0.00E	00	0.00E	00	137E	00
350.0	0.00E	00	0.00E	00	0.00E	00	0.00E	00	0.00E	00	137E	00
400.0	0.00E	00	0.00E	00	0.00E	00	0.00E	00	0.00E	00	137E	00
450.0	0.00E	00	0.00E	00	0.00E	00	0.00E	00	0.00E	00	137E	00
500.0	0.00E	00	0.00E	00	0.00E	00	0.00E	00	0.00E	00	137E	00
600.0	0.00E	00	0.00E	00	0.00E	00	0.00E	00	0.00E	00	137E	00
800.0	0.00E	00	0.00E	00	0.00E	00	0.00E	00	0.00E	00	137E	00
1000.0	0.00E	00	0.00E	00	0.00E	00	0.00E	00	0.00E	00	137E	00
1200.0	0.00E	00	0.00E	00	0.00E	00	0.00E	00	0.00E	00	137E	00
TOTAL ENERGY DEPOSITION/SEC	1.197E	09	1.292E	09	1.011E	09	9.258E	08	8.810E	08	6.834E	08

TABLE XX. (Continued)
 (keV m⁻³ sec⁻¹/source neutron)

1.000E 01 TO 1.200E 01 MEV NEUTRONS
 DELAY TIME (SEC)

RADIAL DISTANCE INTERVAL (METERS)	1.00E-03		2.00E-03		3.50E-03	
	1.00E-03	2.00E-03	1.00E-03	2.00E-03	1.00E-03	2.00E-03
0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
10	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
20	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
40	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
60	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
80	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
100	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
125	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
150	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
175	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
200	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
250	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
300	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
350	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
400	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
450	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
500	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
600	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
800	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
1000	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
1200	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
TOTAL ENERGY DEPOSITION/SEC	3.127E 02	3.452E 01	3.127E 02	3.452E 01	3.127E 02	3.452E 01

TABLE XXI. TIME-DEPENDENT ENERGY DEPOSITION IN AIR VS RADIAL DISTANCE FROM A POINT ISOTROPIC NEUTRON SOURCE EMITTING UNIFORMLY IN THE ENERGY INTERVAL FROM 12.0 TO 13.5 MeV

(keV m⁻³ sec⁻¹/source neutron)

RADIAL DISTANCE INTERVAL (METERS)	DELAY TIME (SEC)									
	00E-00	2.00E-07	3.00E-07	5.00E-07	1.00E-06	2.00E-06	3.00E-06	5.00E-06	1.00E-05	2.00E-05
0	3.821E-07	1.228E-07	1.161E-07	1.036E-07	9.00E-08	7.60E-08	6.25E-08	5.00E-08	3.80E-08	2.70E-08
10	7.00E-07	5.100E-07	4.133E-07	3.334E-07	2.526E-07	1.881E-07	1.401E-07	1.000E-07	7.486E-08	5.600E-08
20	1.00E-06	7.000E-07	5.000E-07	3.666E-07	2.666E-07	1.966E-07	1.466E-07	1.066E-07	7.666E-08	5.666E-08
40	1.00E-06	1.00E-06	7.00E-07	5.00E-07	3.66E-07	2.66E-07	1.96E-07	1.46E-07	1.06E-07	7.66E-08
60	1.00E-06	1.00E-06	1.00E-06	7.00E-07	5.00E-07	3.66E-07	2.66E-07	1.96E-07	1.46E-07	1.06E-07
80	1.00E-06	1.00E-06	1.00E-06	1.00E-06	7.00E-07	5.00E-07	3.66E-07	2.66E-07	1.96E-07	1.46E-07
100	1.00E-06	1.00E-06	1.00E-06	1.00E-06	7.00E-07	5.00E-07	3.66E-07	2.66E-07	1.96E-07	1.46E-07
125	1.00E-06	1.00E-06	1.00E-06	1.00E-06	7.00E-07	5.00E-07	3.66E-07	2.66E-07	1.96E-07	1.46E-07
150	1.00E-06	1.00E-06	1.00E-06	1.00E-06	7.00E-07	5.00E-07	3.66E-07	2.66E-07	1.96E-07	1.46E-07
175	1.00E-06	1.00E-06	1.00E-06	1.00E-06	7.00E-07	5.00E-07	3.66E-07	2.66E-07	1.96E-07	1.46E-07
200	1.00E-06	1.00E-06	1.00E-06	1.00E-06	7.00E-07	5.00E-07	3.66E-07	2.66E-07	1.96E-07	1.46E-07
250	1.00E-06	1.00E-06	1.00E-06	1.00E-06	7.00E-07	5.00E-07	3.66E-07	2.66E-07	1.96E-07	1.46E-07
300	1.00E-06	1.00E-06	1.00E-06	1.00E-06	7.00E-07	5.00E-07	3.66E-07	2.66E-07	1.96E-07	1.46E-07
350	1.00E-06	1.00E-06	1.00E-06	1.00E-06	7.00E-07	5.00E-07	3.66E-07	2.66E-07	1.96E-07	1.46E-07
400	1.00E-06	1.00E-06	1.00E-06	1.00E-06	7.00E-07	5.00E-07	3.66E-07	2.66E-07	1.96E-07	1.46E-07
450	1.00E-06	1.00E-06	1.00E-06	1.00E-06	7.00E-07	5.00E-07	3.66E-07	2.66E-07	1.96E-07	1.46E-07
500	1.00E-06	1.00E-06	1.00E-06	1.00E-06	7.00E-07	5.00E-07	3.66E-07	2.66E-07	1.96E-07	1.46E-07
600	1.00E-06	1.00E-06	1.00E-06	1.00E-06	7.00E-07	5.00E-07	3.66E-07	2.66E-07	1.96E-07	1.46E-07
800	1.00E-06	1.00E-06	1.00E-06	1.00E-06	7.00E-07	5.00E-07	3.66E-07	2.66E-07	1.96E-07	1.46E-07
1000	1.00E-06	1.00E-06	1.00E-06	1.00E-06	7.00E-07	5.00E-07	3.66E-07	2.66E-07	1.96E-07	1.46E-07
1200	1.00E-06	1.00E-06	1.00E-06	1.00E-06	7.00E-07	5.00E-07	3.66E-07	2.66E-07	1.96E-07	1.46E-07
1500	1.00E-06	1.00E-06	1.00E-06	1.00E-06	7.00E-07	5.00E-07	3.66E-07	2.66E-07	1.96E-07	1.46E-07
TOTAL ENERGY DEPOSITION/SEC	1.832E 09	1.527E 09	1.310E 09	1.312E 09	1.164E 09	1.004E 09	8.60E 08	7.40E 08	6.30E 08	5.20E 08

TABLE XXI. (Continued)

(keV m⁻³ sec⁻¹/source neutron)

		1.200E 01 TO 1.350E 01 MEV NEUTRONS											
		3.00E-06		5.00E-06		7.00E-06		1.00E-05		2.00E-05		3.50E-05	
		DELAY TIME (SEC)		DELAY TIME (SEC)		DELAY TIME (SEC)		DELAY TIME (SEC)		DELAY TIME (SEC)		DELAY TIME (SEC)	
		RADIAL DISTANCE		RADIAL DISTANCE		RADIAL DISTANCE		RADIAL DISTANCE		RADIAL DISTANCE		RADIAL DISTANCE	
		INTERVAL (METERS)		INTERVAL (METERS)		INTERVAL (METERS)		INTERVAL (METERS)		INTERVAL (METERS)		INTERVAL (METERS)	
0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0	0	0	0	0	0	0
80	0	0	0	0	0	0	0	0	0	0	0	0	0
105	0	0	0	0	0	0	0	0	0	0	0	0	0
125	0	0	0	0	0	0	0	0	0	0	0	0	0
150	0	0	0	0	0	0	0	0	0	0	0	0	0
175	0	0	0	0	0	0	0	0	0	0	0	0	0
200	0	0	0	0	0	0	0	0	0	0	0	0	0
250	0	0	0	0	0	0	0	0	0	0	0	0	0
300	0	0	0	0	0	0	0	0	0	0	0	0	0
350	0	0	0	0	0	0	0	0	0	0	0	0	0
400	0	0	0	0	0	0	0	0	0	0	0	0	0
450	0	0	0	0	0	0	0	0	0	0	0	0	0
500	0	0	0	0	0	0	0	0	0	0	0	0	0
600	0	0	0	0	0	0	0	0	0	0	0	0	0
800	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL ENERGY DEPOSITION/SEC		7.322E 08	4.942E 08	3.496E 08	1.420E 08	1.00E-05	2.00E-05	4.615E 07	3.50E-05	1.717E 07	3.50E-05	1.717E 07	3.50E-05

TABLE XXI. (Continued)

(keV m⁻³ sec⁻¹/source neutron)

RADIATION DISTANCE		1.200E 01 TO 1.350E 01 MEV NEUTRONS		DELAY TIME (SEC)		TOTAL ENERGY DEPOSITION/SEC	
INTERVAL (METERS)		5.00E-05	7.00E-05	1.00E-04	2.00E-04	4.00E-04	7.00E-04
0	10.0	.000E	.000E	.000E	.000E	.000E	.000E
10.0	20.0	.240E	.000E	.833E	.065E	.000E	.000E
20.0	40.0	1.205E	.587E	1.809E	.252E	.675E	.349E
40.0	60.0	1.355E	2.435E	1.069E	.110E	1.205E	.901E
60.0	80.0	1.544E	3.266E	1.555E	.178E	1.455E	1.395E
80.0	100.0	1.740E	4.595E	2.125E	.283E	1.888E	1.739E
100.0	125.0	1.940E	6.777E	2.935E	.458E	2.800E	2.597E
125.0	150.0	2.150E	9.513E	4.350E	.733E	4.200E	3.828E
150.0	200.0	2.350E	1.385E	6.600E	1.102E	6.800E	5.148E
200.0	250.0	2.550E	2.034E	9.340E	1.755E	9.600E	7.300E
250.0	300.0	2.700E	2.844E	1.300E	2.700E	1.200E	1.300E
300.0	350.0	2.800E	3.925E	1.800E	3.950E	1.600E	1.800E
350.0	400.0	2.900E	5.400E	2.500E	5.400E	2.200E	2.500E
400.0	450.0	3.000E	7.400E	3.400E	7.400E	3.000E	3.400E
450.0	500.0	3.100E	1.000E	4.200E	1.000E	4.200E	4.200E
500.0	600.0	3.200E	1.425E	5.800E	1.425E	5.800E	5.800E
600.0	800.0	3.300E	2.000E	8.000E	2.000E	8.000E	8.000E
800.0	1000.0	3.400E	2.800E	1.100E	2.800E	1.100E	1.100E
1000.0	1200.0	3.500E	3.800E	1.500E	3.800E	1.500E	1.500E
1200.0	1500.0	3.600E	5.100E	2.000E	5.100E	2.000E	2.000E
		8.211E 06	3.795E 06	1.106E 06	1.270E 05	1.188E 04	1.846E 03

TABLE XXI. (Continued)

(keV m⁻³ sec⁻¹/source neutron)

1.200E 01 TO 1.350E 01 MEV NEUTRONS

RADIAL DISTANCE INTERVAL (METERS)	1.200E 01 TO 1.350E 01 MEV NEUTRONS	
	1.00E-03 - 2.00E-03	2.00E-03 - 3.50E-03
0	0.000E 00	0.000E 00
10	0.000E 00	0.000E 00
20	0.000E 00	0.000E 00
40	0.000E 00	0.000E 00
60	0.000E 00	0.000E 00
80	0.000E 00	0.000E 00
100	0.000E 00	0.000E 00
125	0.000E 00	0.000E 00
150	0.000E 00	0.000E 00
175	0.000E 00	0.000E 00
200	0.000E 00	0.000E 00
250	0.000E 00	0.000E 00
300	0.000E 00	0.000E 00
350	0.000E 00	0.000E 00
400	0.000E 00	0.000E 00
450	0.000E 00	0.000E 00
500	0.000E 00	0.000E 00
600	0.000E 00	0.000E 00
800	0.000E 00	0.000E 00
1000	0.000E 00	0.000E 00
1200	0.000E 00	0.000E 00
1500	0.000E 00	0.000E 00
TOTAL ENERGY DEPOSITION/SEC	2.937E 02	3.178E 01

TABLE XXII. TIME-DEPENDENT ENERGY DEPOSITION IN AIR VS RADIAL DISTANCE FROM A POINT ISOTROPIC NEUTRON SOURCE EMITTING UNIFORMLY IN THE ENERGY INTERVAL FROM 13.5 TO 15.0 MeV

RADIAL DISTANCE INTERVAL (METERS)	(keV m ⁻³ sec ⁻¹ /source neutron)									
	2.00E-07	3.00E-07	5.00E-07	1.00E-06	2.00E-06	3.00E-06	5.00E-06	1.00E-05	2.00E-05	3.00E-05
10.0	3.979E 05	5.145E 02	1.626E 03	4.166E 02	.415E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
20.0	.000E 00	.000E 00	1.150E 03	1.010E 03	6.640E 01	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
40.0	.000E 00	.000E 00	6.880E 03	2.083E 03	2.780E 01	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
60.0	.000E 00	.000E 00	.000E 00	1.423E 03	3.831E 01	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
80.0	.000E 00	.000E 00	.000E 00	.610E 00	3.319E 02	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
100.0	.000E 00	.000E 00	.000E 00	.000E 00	1.402E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
125.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
150.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
175.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
200.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
250.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
300.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
350.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
400.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
450.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
500.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
600.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
800.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
1000.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
1200.0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00
TOTAL ENERGY DEPOSITION/SEC	1.949E 09	1.470E 09	1.889E 09	1.493E 09	1.486E 09	1.092E 09	2.00E-06	2.00E-06	2.00E-06	2.00E-06

TABLE XXII. (Continued)

(keV m⁻³ sec⁻¹/source neutron)

		1.350E 01 TO 1.500E 01 MEV NEUTRONS											
		3.00E-06		5.00E-06		7.00E-06		1.00E-05		2.00E-05		3.50E-05	
		DELAY TIME (SEC)		DELAY TIME (SEC)		DELAY TIME (SEC)		DELAY TIME (SEC)		DELAY TIME (SEC)		DELAY TIME (SEC)	
		RADIAL DISTANCE INTERVAL (METERS)		RADIAL DISTANCE INTERVAL (METERS)		RADIAL DISTANCE INTERVAL (METERS)		RADIAL DISTANCE INTERVAL (METERS)		RADIAL DISTANCE INTERVAL (METERS)		RADIAL DISTANCE INTERVAL (METERS)	
0	10	000E	00	000E	00	000E	00	000E	00	000E	00	000E	00
10	20	604E	00	962E	00	366E	01	150E	01	740E	00	365E	00
20	40	045E	00	017E	00	143E	01	136E	01	406E	00	001E	00
40	60	120E	00	266E	00	399E	01	477E	01	155E	00	189E	00
60	80	345E	00	715E	00	109E	01	567E	01	249E	00	272E	00
80	100	631E	00	159E	00	230E	01	148E	01	441E	00	379E	00
100	125	905E	00	224E	00	308E	01	249E	01	341E	00	299E	00
125	150	145E	00	329E	00	417E	01	341E	01	271E	00	255E	00
150	175	148E	00	391E	00	528E	01	413E	01	249E	00	207E	00
175	200	148E	00	418E	00	697E	01	559E	01	269E	00	205E	00
200	250	255E	00	712E	00	851E	01	749E	01	340E	00	261E	00
250	300	240E	00	830E	00	160E	01	165E	01	449E	00	270E	00
300	350	000E	00	150E	00	170E	01	209E	01	172E	00	110E	00
350	400	000E	00	300E	00	150E	01	140E	01	198E	00	105E	00
400	450	000E	00	000E	00	170E	01	830E	01	179E	00	115E	00
450	500	000E	00	000E	00	582E	01	630E	01	481E	00	164E	00
500	600	000E	00	000E	00	000E	00	210E	00	308E	00	154E	00
600	800	000E	00	000E	00	000E	00	340E	00	453E	00	149E	00
800	1000	000E	00	000E	00	000E	00	939E	00	696E	00	157E	00
1000	1200	000E	00	000E	00	000E	00	349E	00	456E	00	157E	00
1200	1500	000E	00	000E	00	000E	00	839E	00	696E	00	157E	00
TOTAL ENERGY DEPOSITION/SEC		8.893E 08	5.596E 08	3.307E 08	1.482E 08	4.580E 07	1.743E 07						

TABLE XXII. (Continued)
 (keV m⁻³ sec⁻¹/source neutron)

RADIAL DISTANCE INTERVAL (METERS)		1.350E 01 TO 1.500E 01 MEV NEUTRONS		DELAY TIME (SEC)		TOTAL ENERGY DEPOSITION/SEC	
		5.00E-05	7.00E-05	1.00E-04	2.00E-04	4.00E-04	7.00E-04
10.0	0.0	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00	.000E+00
20.0	0.0	.320E-03	.675E-03	.000E+00	.801E-04	.583E-04	.187E-04
40.0	0.0	1.068E-03	1.475E-03	1.344E-03	1.447E-04	4.710E-04	1.020E-03
60.0	0.0	1.567E-03	1.750E-03	1.655E-03	1.900E-04	7.540E-04	1.100E-03
80.0	0.0	1.670E-03	1.800E-03	1.472E-03	1.77E-04	3.190E-04	1.085E-03
100.0	0.0	1.800E-03	1.745E-03	1.080E-03	1.330E-04	1.481E-04	1.229E-03
125.0	0.0	1.045E-03	1.040E-03	1.710E-03	1.430E-04	2.071E-04	1.054E-03
150.0	0.0	9.640E-04	9.640E-04	1.300E-03	1.162E-04	1.635E-04	9.872E-04
200.0	0.0	4.040E-04	4.727E-04	1.180E-03	1.020E-04	1.350E-04	1.110E-03
300.0	0.0	3.340E-04	3.920E-04	1.180E-03	8.940E-04	1.076E-04	1.110E-03
400.0	0.0	3.300E-04	3.552E-04	1.180E-03	8.020E-04	9.35E-05	1.080E-03
450.0	0.0	3.300E-04	3.420E-04	1.180E-03	7.85E-04	9.40E-05	1.080E-03
500.0	0.0	3.010E-04	3.010E-04	1.180E-03	7.53E-04	9.55E-05	1.080E-03
600.0	0.0	2.378E-04	2.378E-04	1.180E-03	6.356E-04	8.851E-05	1.068E-03
800.0	0.0	1.550E-04	1.550E-04	1.180E-03	4.356E-04	5.70E-05	7.38E-03
1000.0	0.0	1.200E-04	1.200E-04	1.180E-03	3.930E-04	5.30E-05	7.250E-03
1200.0	0.0	1.348E-04	1.348E-04	1.180E-03	3.744E-04	5.061E-05	7.11E-03
		3.430E-06	3.430E-06	1.062E-06	1.281E-05	1.160E-04	1.877E-03

TABLE XXII. (Continued)

(keV m⁻³ sec⁻¹/source neutron)

1.350E 01 TO 1.500E 01 MEV NEUTRONS

RADIAL DISTANCE INTERVAL (METERS)	1.00E-03		2.00E-03		3.50E-03		DELAY TIME (SEC)
	1	2	1	2	1	2	
0	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	.000E 00	
10	.062E-06	.062E-06	.062E-06	.062E-06	.062E-06	.062E-06	
20	1.380E-07	1.380E-07	1.380E-07	1.380E-07	1.380E-07	1.380E-07	
40	6.89E-07	6.89E-07	6.89E-07	6.89E-07	6.89E-07	6.89E-07	
60	3.89E-07	3.89E-07	3.89E-07	3.89E-07	3.89E-07	3.89E-07	
80	2.67E-07	2.67E-07	2.67E-07	2.67E-07	2.67E-07	2.67E-07	
100	1.65E-07	1.65E-07	1.65E-07	1.65E-07	1.65E-07	1.65E-07	
125	1.17E-07	1.17E-07	1.17E-07	1.17E-07	1.17E-07	1.17E-07	
150	8.55E-08	8.55E-08	8.55E-08	8.55E-08	8.55E-08	8.55E-08	
175	6.57E-08	6.57E-08	6.57E-08	6.57E-08	6.57E-08	6.57E-08	
200	5.12E-08	5.12E-08	5.12E-08	5.12E-08	5.12E-08	5.12E-08	
250	3.26E-08	3.26E-08	3.26E-08	3.26E-08	3.26E-08	3.26E-08	
300	2.00E-08	2.00E-08	2.00E-08	2.00E-08	2.00E-08	2.00E-08	
350	1.26E-08	1.26E-08	1.26E-08	1.26E-08	1.26E-08	1.26E-08	
400	8.01E-09	8.01E-09	8.01E-09	8.01E-09	8.01E-09	8.01E-09	
450	5.26E-09	5.26E-09	5.26E-09	5.26E-09	5.26E-09	5.26E-09	
500	3.69E-09	3.69E-09	3.69E-09	3.69E-09	3.69E-09	3.69E-09	
600	2.45E-09	2.45E-09	2.45E-09	2.45E-09	2.45E-09	2.45E-09	
800	1.50E-09	1.50E-09	1.50E-09	1.50E-09	1.50E-09	1.50E-09	
1000	8.55E-10	8.55E-10	8.55E-10	8.55E-10	8.55E-10	8.55E-10	
1200	5.68E-10	5.68E-10	5.68E-10	5.68E-10	5.68E-10	5.68E-10	
1500	3.12E-10	3.12E-10	3.12E-10	3.12E-10	3.12E-10	3.12E-10	
TOTAL ENERGY DEPOSITION/SEC	2.972E 02	2.972E 02	2.972E 02	2.972E 02	2.972E 02	2.972E 02	3.264E 01

TABLE XXIII. TOTAL ENERGY DEPOSITION IN AIR VS RADIAL DISTANCE AND SOURCE ENERGY INTERVAL FOR POINT ISOTROPIC NEUTRON SOURCES

(keV m⁻³/source neutron)

RADIAL DISTANCE INTERVAL (METERS)	SOURCE ENERGY BOUNDS (MEV)									
	1.00E-03	3.35E-03	9.12E-03	3.50E-03	9.12E-03	2.48E-02	8.50E-04	9.12E-03	2.48E-02	6.76E-02
0	2.976E-05	1.470E-06	7.930E-05	4.063E-04	1.850E-04	4.063E-04	1.850E-04	9.010E-02	9.010E-02	1.840E-01
10	2.411E-07	1.412E-06	7.930E-05	6.770E-05	3.131E-05	6.770E-05	3.131E-05	1.352E-04	1.352E-04	3.49E-03
20	1.505E-07	1.412E-06	7.930E-05	4.306E-05	3.367E-06	4.306E-05	3.367E-06	1.167E-05	1.167E-05	2.294E-03
40	4.425E-07	1.412E-06	7.930E-05	9.655E-06	3.632E-06	9.655E-06	3.632E-06	3.355E-06	3.355E-06	6.52E-05
60	1.855E-08	1.412E-06	7.930E-05	3.011E-07	3.980E-07	3.011E-07	3.980E-07	5.595E-06	5.595E-06	1.085E-05
80	7.744E-08	1.412E-06	7.930E-05	3.011E-07	5.505E-07	3.011E-07	5.505E-07	3.953E-06	3.953E-06	5.35E-06
100	3.000E-08	1.412E-06	7.930E-05	1.163E-08	2.866E-07	1.163E-08	2.866E-07	1.866E-07	1.866E-07	3.75E-06
125	1.866E-09	1.412E-06	7.930E-05	1.163E-08	2.866E-08	1.163E-08	2.866E-08	4.016E-07	4.016E-07	5.65E-06
150	8.298E-10	1.412E-06	7.930E-05	1.163E-08	2.866E-09	1.163E-08	2.866E-09	6.474E-08	6.474E-08	1.84E-05
175	2.764E-11	1.412E-06	7.930E-05	1.163E-08	2.866E-10	1.163E-08	2.866E-10	1.780E-08	1.780E-08	4.92E-05
200	8.085E-12	1.412E-06	7.930E-05	1.163E-08	2.866E-11	1.163E-08	2.866E-11	3.242E-09	3.242E-09	1.016E-04
250	2.348E-14	1.412E-06	7.930E-05	1.163E-08	2.866E-12	1.163E-08	2.866E-12	4.437E-10	4.437E-10	1.939E-04
300	6.800E-16	1.412E-06	7.930E-05	1.163E-08	2.866E-14	1.163E-08	2.866E-14	7.235E-11	7.235E-11	8.65E-05
350	1.900E-17	1.412E-06	7.930E-05	1.163E-08	2.866E-16	1.163E-08	2.866E-16	1.000E-13	1.000E-13	9.05E-05
400	5.000E-19	1.412E-06	7.930E-05	1.163E-08	2.866E-18	1.163E-08	2.866E-18	1.000E-15	1.000E-15	1.87E-05
450	1.300E-20	1.412E-06	7.930E-05	1.163E-08	2.866E-20	1.163E-08	2.866E-20	1.000E-17	1.000E-17	2.00E-06
500	3.000E-22	1.412E-06	7.930E-05	1.163E-08	2.866E-22	1.163E-08	2.866E-22	1.000E-19	1.000E-19	1.20E-07
600	1.000E-24	1.412E-06	7.930E-05	1.163E-08	2.866E-24	1.163E-08	2.866E-24	1.000E-21	1.000E-21	1.00E-08
800	1.000E-26	1.412E-06	7.930E-05	1.163E-08	2.866E-26	1.163E-08	2.866E-26	1.000E-23	1.000E-23	1.00E-10
1000	1.000E-28	1.412E-06	7.930E-05	1.163E-08	2.866E-28	1.163E-08	2.866E-28	1.000E-25	1.000E-25	1.00E-12
1200	1.000E-30	1.412E-06	7.930E-05	1.163E-08	2.866E-30	1.163E-08	2.866E-30	1.000E-27	1.000E-27	1.00E-14
1500	1.000E-32	1.412E-06	7.930E-05	1.163E-08	2.866E-32	1.163E-08	2.866E-32	1.000E-29	1.000E-29	1.00E-16
TOTAL	2.134E 00	6.239E 00	1.680E 01	4.602E 01	1.257E 02	2.425E 02	1.840E 01	1.840E 01	1.840E 01	2.425E 02

TABLE XXIII. (Continued)
 (keV m⁻³/source neutron)

NEUTRONS
 ENERGY BOUNDS (MEV)

RADIAL DISTANCE INTERVAL (METERS)	SOURCE ENERGY BOUNDS (MEV)
0 - 10.0	1.350E 01
10.0 - 20.0	1.500E 01
20.0 - 40.0	8.015E-02
40.0 - 60.0	8.845E-03
60.0 - 80.0	2.490E-03
80.0 - 100.0	8.180E-04
100.0 - 125.0	4.480E-04
125.0 - 150.0	2.574E-04
150.0 - 175.0	1.540E-04
175.0 - 200.0	9.275E-05
200.0 - 250.0	6.210E-05
250.0 - 300.0	4.799E-05
300.0 - 350.0	2.827E-05
350.0 - 400.0	1.077E-05
400.0 - 450.0	1.643E-06
450.0 - 500.0	3.150E-06
500.0 - 600.0	1.554E-06
600.0 - 800.0	1.627E-07
800.0 - 1000.0	1.633E-07
1000.0 - 1200.0	5.415E-08
1200.0 - 1500.0	1.746E-08
TOTAL	1.095E 04

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