A survey is given of the available information in this field. The author discusses first the case of narrow monoenergetic gamma and X-ray beams, dealing successively with the measurement of the total attenuation of intensity on passing across matter, the cross-section, the linear total attenuation factor, the calculation of total attenuation, the mass factor of total attenuation, and the shares of the effect of individual reactions (Compton effect, pair formation, Rayleigh scattering, nuclear photoeffect, bremsstrahlung) on the value of total attenuation. When discussing the broad monoenergetic beams, the author deals with the build-up factor in general and for the intensity, dose and energy, and finally with differences in the definitions of this factor, and some

Effect of the scattering ...