

TABLE - A

Values of the Atomic weight A, the Factor $\left(\frac{N}{A}\right) \times 10^{-24}$ for converting attenuation data from cm^2/gm to barns/atom.

<u>ELEMENTS</u>		A	$\left(\frac{N}{A}\right) \times 10^{-24}$
Z	Symbol	atomic weight gm/gm - atom	$\frac{\text{cm}^2/\text{gm}}{\text{barns/atom}}$
42	Mo	95.94	.006277
57	La	138.91	.004336
58	Ce	140.12	.004298
60	Nd	144.24	.004175
62	Sm	150.35	.004006
64	Gd	157.25	.003830
80	Hg	200.59	.00300
82	Pb	207.19	.00291

