

Cs-137 662 Kev Thickness (inch)	% original beam strength reduction				
	High Density Tungsten	Tungsten	Bismuth	Stainless	Iron
1/8	30	21	18	11	6
1/4	46	38	31	18	13
3/8	60	51	43	25	20
1/2	72	61	53	31	26
5/8	81	69	61	36	31
3/4	87	76	67	41	36
7/8	90	81	73	45	40
1	92	85	77	49	44
1 1/8	94	88	81	53	48
1 1/4	95	90	84	57	52
1 3/8	96	92	87	60	55
1 1/2	97	94	89	63	58
1 5/8	98	95	90	66	61
1 3/4	99	96	91	69	64
1 7/8	99	97	92	72	66
2	99	97	92	74	68
Half Value Layer	0.28"	0.36"	0.47"	1.04"	1.17"
Tenth Value Layer	0.83"	1.21"	1.72"	3.44"	3.88"

