

$b(E) \times 10^6$  [cm<sup>2</sup>g<sup>-1</sup>] for  
magnesium oxide MgO  
 $\langle Z/A \rangle = 0.49622$

E [GeV]	$b_{\text{brems}}$	$b_{\text{pair}}$	$b_{\text{nucl}}$	$b_{\text{tot}}$
2.	0.3916	0.1787	0.4498	1.0201
5.	0.5310	0.4367	0.4775	1.4452
10.	0.6450	0.6487	0.4646	1.7582
20.	0.7636	0.8770	0.4444	2.0850
50.	0.9228	1.2002	0.4222	2.5452
100.	1.0396	1.4265	0.4113	2.8775
200.	1.1505	1.6333	0.4059	3.1897
500.	1.2796	1.8397	0.4053	3.5244
1000.	1.3610	1.9643	0.4119	3.7372
2000.	1.4279	2.0500	0.4227	3.9007
5000.	1.4935	2.1250	0.4429	4.0614
10000.	1.5278	2.1604	0.4632	4.1513
20000.	1.5520	2.1827	0.4870	4.2217
50000.	1.5716	2.2007	0.5241	4.2964
100000.	1.5811	2.2080	0.5559	4.3451