

$b(E) \times 10^6$  [cm<sup>2</sup>g<sup>-1</sup>] for  
cerium (Ce),  $Z = 58$ ,  $A = 140.116(1)$

E [GeV]	$b_{\text{brems}}$	$b_{\text{pair}}$	$b_{\text{nucl}}$	$b_{\text{tot}}$
2.	1.4992	0.5391	0.3769	2.4152
5.	2.0698	1.6772	0.4026	4.1496
10.	2.5344	2.5592	0.3946	5.4882
20.	3.0111	3.4034	0.3751	6.7897
50.	3.6362	4.6705	0.3643	8.6710
100.	4.0822	5.5140	0.3566	9.9528
200.	4.4911	6.2672	0.3530	11.1112
500.	4.9529	6.9625	0.3531	12.2686
1000.	5.2331	7.3334	0.3586	12.9251
2000.	5.4525	7.6021	0.3674	13.4220
5000.	5.6576	7.8275	0.3833	13.8684
10000.	5.7599	7.9320	0.3992	14.0911
20000.	5.8280	8.0001	0.4177	14.2459
50000.	5.8846	8.0513	0.4466	14.3824
100000.	5.9100	8.0726	0.4712	14.4537