

$b(E) \times 10^6$  [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.	1.4993	0.5391	0.3769	2.4153
5.	2.0699	1.6772	0.4026	4.1497
10.	2.5345	2.5593	0.3946	5.4884
20.	3.0112	3.4035	0.3751	6.7898
50.	3.6363	4.6706	0.3643	8.6713
100.	4.0823	5.5141	0.3566	9.9531
200.	4.4912	6.2673	0.3530	11.1116
500.	4.9531	6.9627	0.3531	12.2689
1000.	5.2332	7.3336	0.3586	12.9255
2000.	5.4526	7.6022	0.3674	13.4222
5000.	5.6578	7.8277	0.3833	13.8688
10000.	5.7601	7.9321	0.3992	14.0914
20000.	5.8282	8.0003	0.4177	14.2463
50000.	5.8848	8.0515	0.4466	14.3828
100000.	5.9101	8.0728	0.4712	14.4542