

$b(E) \times 10^6$  [cm<sup>2</sup>g<sup>-1</sup>] for  
silicon (Si),  $Z = 14$ ,  $A = 28.0855(3)$

E [GeV]	$b_{\text{brems}}$	$b_{\text{pair}}$	$b_{\text{nucl}}$	$b_{\text{tot}}$
2.	0.5143	0.2394	0.4378	1.1916
5.	0.6983	0.5844	0.4659	1.7486
10.	0.8480	0.8624	0.4541	2.1644
20.	1.0031	1.1583	0.4350	2.5964
50.	1.2097	1.5790	0.4139	3.2026
100.	1.3603	1.8713	0.4036	3.6352
200.	1.5025	2.1268	0.3985	4.0277
500.	1.6664	2.4050	0.3979	4.4693
1000.	1.7700	2.5511	0.4044	4.7254
2000.	1.8539	2.6596	0.4149	4.9284
5000.	1.9356	2.7521	0.4343	5.1220
10000.	1.9779	2.7956	0.4539	5.2275
20000.	2.0080	2.8232	0.4768	5.3080
50000.	2.0315	2.8455	0.5125	5.3896
100000.	2.0430	2.8546	0.5431	5.4407