

$b(E) \times 10^6$  [cm<sup>2</sup>g<sup>-1</sup>] for  
zirconium (Zr),  $Z = 40$ ,  $A = 91.224(2)$

E [GeV]	$b_{\text{brems}}$	$b_{\text{pair}}$	$b_{\text{nucl}}$	$b_{\text{tot}}$
2.	1.1453	0.5029	0.3927	2.0409
5.	1.5729	1.3451	0.4195	3.3375
10.	1.9203	1.9996	0.4007	4.3205
20.	2.2768	2.6456	0.3896	5.3120
50.	2.7460	3.6022	0.3782	6.7264
100.	3.0821	4.2453	0.3699	7.6973
200.	3.3920	4.8245	0.3659	8.5824
500.	3.7450	5.3650	0.3659	9.4759
1000.	3.9611	5.6558	0.3717	9.9886
2000.	4.1319	5.8678	0.3809	10.3805
5000.	4.2931	6.0463	0.3978	10.7372
10000.	4.3744	6.1296	0.4146	10.9186
20000.	4.4289	6.1838	0.4342	11.0469
50000.	4.4743	6.2249	0.4647	11.1640
100000.	4.4950	6.2421	0.4908	11.2279