

$b(E) \times 10^6$  [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	0.5028	0.3927	2.0408
5.	1.5728	1.3450	0.4195	3.3374
10.	1.9202	1.9995	0.4007	4.3204
20.	2.2767	2.6455	0.3896	5.3118
50.	2.7459	3.6021	0.3782	6.7261
100.	3.0819	4.2451	0.3699	7.6969
200.	3.3919	4.8242	0.3659	8.5821
500.	3.7448	5.3647	0.3659	9.4755
1000.	3.9609	5.6556	0.3717	9.9882
2000.	4.1317	5.8675	0.3809	10.3800
5000.	4.2930	6.0461	0.3977	10.7368
10000.	4.3742	6.1293	0.4146	10.9180
20000.	4.4287	6.1836	0.4342	11.0464
50000.	4.4741	6.2246	0.4647	11.1635
100000.	4.4948	6.2418	0.4908	11.2274