

$b(E) \times 10^6$  [cm<sup>2</sup>g<sup>-1</sup>] for  
liquid helium (He),  $Z = 2$ ,  $A = 4.002602(2)$

E [GeV]	$b_{\text{brems}}$	$b_{\text{pair}}$	$b_{\text{nucl}}$	$b_{\text{tot}}$
2.	0.0931	0.0351	0.5095	0.6377
5.	0.1279	0.0940	0.5334	0.7553
10.	0.1587	0.1555	0.5141	0.8283
20.	0.1928	0.2229	0.4878	0.9035
50.	0.2417	0.3190	0.4597	1.0205
100.	0.2797	0.3859	0.4462	1.1118
200.	0.3171	0.4486	0.4392	1.2049
500.	0.3621	0.5212	0.4377	1.3210
1000.	0.3922	0.5685	0.4453	1.4059
2000.	0.4178	0.6050	0.4578	1.4805
5000.	0.4443	0.6395	0.4812	1.5651
10000.	0.4589	0.6563	0.5050	1.6202
20000.	0.4695	0.6669	0.5330	1.6694
50000.	0.4786	0.6748	0.5773	1.7307
100000.	0.4830	0.6780	0.6155	1.7765