

$b(E) \times 10^6$  [cm<sup>2</sup>g<sup>-1</sup>] for  
air (dry, 1 atm)  
 $\langle Z/A \rangle = 0.49919$

E [GeV]	$b_{\text{brems}}$	$b_{\text{pair}}$	$b_{\text{nucl}}$	$b_{\text{tot}}$
2.	0.2898	0.1282	0.4628	0.8808
5.	0.3927	0.3151	0.4901	1.1979
10.	0.4774	0.4735	0.4758	1.4267
20.	0.5663	0.6460	0.4544	1.6668
50.	0.6867	0.8890	0.4310	2.0067
100.	0.7759	1.0607	0.4196	2.2562
200.	0.8610	1.2189	0.4139	2.4938
500.	0.9610	1.3803	0.4130	2.7543
1000.	1.0248	1.4787	0.4199	2.9234
2000.	1.0776	1.5476	0.4311	3.0563
5000.	1.1299	1.6082	0.4519	3.1901
10000.	1.1574	1.6369	0.4730	3.2674
20000.	1.1767	1.6550	0.4977	3.3295
50000.	1.1931	1.6694	0.5365	3.3990
100000.	1.2009	1.6752	0.5697	3.4459