

$b(E) \times 10^6$  [cm<sup>2</sup>g<sup>-1</sup>] for  
argon gas (Ar),  $Z = 18$ ,  $A = 39.948(1)$

E [GeV]	$b_{\text{brems}}$	$b_{\text{pair}}$	$b_{\text{nucl}}$	$b_{\text{tot}}$
2.	0.5769	0.2739	0.4243	1.2751
5.	0.7858	0.6717	0.4518	1.9093
10.	0.9557	0.9880	0.4410	2.3847
20.	1.1312	1.3207	0.4231	2.8750
50.	1.3641	1.7955	0.4033	3.5629
100.	1.5331	2.1233	0.3937	4.0501
200.	1.6910	2.4253	0.3890	4.5054
500.	1.8741	2.7149	0.3887	4.9777
1000.	1.9885	2.8744	0.3950	5.2579
2000.	2.0806	2.9923	0.4052	5.4781
5000.	2.1696	3.0924	0.4239	5.6859
10000.	2.2154	3.1395	0.4427	5.7976
20000.	2.2478	3.1693	0.4646	5.8817
50000.	2.2730	3.1935	0.4987	5.9652
100000.	2.2852	3.2033	0.5279	6.0165