

$b(E) \times 10^6$  [cm<sup>2</sup>g<sup>-1</sup>] for  
chlorine gas (Cl<sub>2</sub>),  $Z = 17$ ,  $A = 35.453(2)$

E [GeV]	$b_{\text{brems}}$	$b_{\text{pair}}$	$b_{\text{nucl}}$	$b_{\text{tot}}$
2.	0.5866	0.2765	0.4289	1.2920
5.	0.7980	0.6769	0.4568	1.9317
10.	0.9697	0.9963	0.4456	2.4117
20.	1.1473	1.3332	0.4274	2.9078
50.	1.3830	1.8134	0.4071	3.6035
100.	1.5542	2.1454	0.3972	4.0968
200.	1.7143	2.4518	0.3924	4.5584
500.	1.9001	2.7463	0.3920	5.0384
1000.	2.0163	2.9088	0.3983	5.3235
2000.	2.1101	3.0290	0.4086	5.5477
5000.	2.2008	3.1313	0.4275	5.7596
10000.	2.2476	3.1794	0.4466	5.8735
20000.	2.2807	3.2098	0.4688	5.9593
50000.	2.3065	3.2345	0.5035	6.0444
100000.	2.3191	3.2445	0.5331	6.0967