

$b(E) \times 10^6$  [cm<sup>2</sup>g<sup>-1</sup>] for  
ethylene (C<sub>2</sub>H<sub>4</sub>)  
 $\langle Z/A \rangle = 0.57034$

E [GeV]	$b_{\text{brems}}$	$b_{\text{pair}}$	$b_{\text{nucl}}$	$b_{\text{tot}}$
2.	0.2231	0.0948	0.4818	0.7998
5.	0.3030	0.2372	0.5090	1.0491
10.	0.3698	0.3642	0.4929	1.2269
20.	0.4410	0.5031	0.4694	1.4135
50.	0.5390	0.6978	0.4438	1.6807
100.	0.6136	0.8364	0.4312	1.8812
200.	0.6835	0.9648	0.4248	2.0730
500.	0.7676	1.0996	0.4237	2.2909
1000.	0.8222	1.1831	0.4304	2.4358
2000.	0.8679	1.2427	0.4421	2.5527
5000.	0.9142	1.2958	0.4639	2.6740
10000.	0.9393	1.3208	0.4860	2.7462
20000.	0.9572	1.3366	0.5121	2.8060
50000.	0.9729	1.3489	0.5530	2.8747
100000.	0.9798	1.3540	0.5883	2.9220