

$b(E) \times 10^6$  [cm<sup>2</sup>g<sup>-1</sup>] for  
sucrose (C<sub>12</sub>H<sub>22</sub>O<sub>11</sub>)  
 $\langle Z/A \rangle = 0.53170$

E [GeV]	$b_{\text{brems}}$	$b_{\text{pair}}$	$b_{\text{nucl}}$	$b_{\text{tot}}$
2.	0.2700	0.1182	0.4699	0.8581
5.	0.3661	0.2919	0.4972	1.1552
10.	0.4457	0.4414	0.4823	1.3694
20.	0.5295	0.6043	0.4601	1.5939
50.	0.6437	0.8335	0.4358	1.9131
100.	0.7290	0.9958	0.4240	2.1488
200.	0.8098	1.1454	0.4179	2.3732
500.	0.9056	1.2994	0.4170	2.6220
1000.	0.9670	1.3938	0.4238	2.7846
2000.	1.0181	1.4603	0.4352	2.9134
5000.	1.0690	1.5189	0.4564	3.0443
10000.	1.0962	1.5466	0.4778	3.1207
20000.	1.1152	1.5641	0.5031	3.1825
50000.	1.1317	1.5780	0.5426	3.2522
100000.	1.1393	1.5836	0.5765	3.2994