

$b(E) \times 10^6$  [cm<sup>2</sup>g<sup>-1</sup>] for  
ethyl cellulose ([C<sub>12</sub>H<sub>22</sub>O<sub>5</sub>)<sub>n</sub>]  
 $\langle Z/A \rangle = 0.54405$

E [GeV]	$b_{\text{brems}}$	$b_{\text{pair}}$	$b_{\text{nucl}}$	$b_{\text{tot}}$
2.	0.2532	0.1098	0.4740	0.8371
5.	0.3435	0.2724	0.5012	1.1171
10.	0.4185	0.4137	0.4859	1.3182
20.	0.4978	0.5680	0.4633	1.5291
50.	0.6061	0.7848	0.4385	1.8296
100.	0.6876	0.9386	0.4264	2.0526
200.	0.7644	1.0806	0.4203	2.2653
500.	0.8560	1.2276	0.4193	2.5029
1000.	0.9149	1.3181	0.4261	2.6591
2000.	0.9640	1.3821	0.4375	2.7836
5000.	1.0133	1.4387	0.4590	2.9110
10000.	1.0396	1.4654	0.4806	2.9857
20000.	1.0582	1.4823	0.5062	3.0467
50000.	1.0744	1.4956	0.5462	3.1161
100000.	1.0817	1.5010	0.5806	3.1633