

**Table 105:**  $b(E) \times 10^6$  [ $\text{cm}^2\text{g}^{-1}$ ] for  
Alanine ( $\text{C}_3\text{H}_7\text{NO}_2$ )  
 $\langle Z/A \rangle = 0.53976$

E [GeV]	$b_{\text{brems}}$	$b_{\text{pair}}$	$b_{\text{nucl}}$	$b_{\text{tot}}$
2.	0.2627	0.1145	0.4718	0.8491
5.	0.3563	0.2834	0.4991	1.1388
10.	0.4339	0.4294	0.4840	1.3473
20.	0.5158	0.5886	0.4616	1.5660
50.	0.6275	0.8125	0.4371	1.8771
100.	0.7111	0.9711	0.4252	2.1073
200.	0.7903	1.1174	0.4190	2.3268
500.	0.8843	1.2685	0.4181	2.5709
1000.	0.9447	1.3613	0.4249	2.7309
2000.	0.9950	1.4267	0.4363	2.8579
5000.	1.0452	1.4845	0.4576	2.9874
10000.	1.0721	1.5118	0.4791	3.0631
20000.	1.0910	1.5291	0.5045	3.1246
50000.	1.1074	1.5426	0.5443	3.1942
100000.	1.1149	1.5482	0.5784	3.2415