

**Table 274:**  $b(E) \times 10^6$  [ $\text{cm}^2\text{g}^{-1}$ ] for  
Valine  $\text{C}_5\text{H}_{11}\text{NO}_2$   
 $\langle Z/A \rangle = 0.54632$

E [GeV]	$b_{\text{brems}}$	$b_{\text{pair}}$	$b_{\text{nucl}}$	$b_{\text{tot}}$
2.	0.2532	0.1098	0.4742	0.8373
5.	0.3435	0.2723	0.5015	1.1173
10.	0.4185	0.4138	0.4862	1.3185
20.	0.4979	0.5681	0.4635	1.5295
50.	0.6063	0.7850	0.4387	1.8301
100.	0.6877	0.9388	0.4266	2.0531
200.	0.7647	1.0809	0.4204	2.2660
500.	0.8563	1.2280	0.4194	2.5039
1000.	0.9154	1.3186	0.4262	2.6602
2000.	0.9645	1.3826	0.4377	2.7848
5000.	1.0139	1.4393	0.4591	2.9123
10000.	1.0403	1.4661	0.4808	2.9872
20000.	1.0590	1.4830	0.5064	3.0483
50000.	1.0751	1.4963	0.5464	3.1177
100000.	1.0825	1.5017	0.5808	3.1650