

$b(E) \times 10^6$  [cm<sup>2</sup>g<sup>-1</sup>] for  
boron carbide (B<sub>4</sub>C)  
 $\langle Z/A \rangle = 0.47059$

E [GeV]	$b_{\text{brems}}$	$b_{\text{pair}}$	$b_{\text{nucl}}$	$b_{\text{tot}}$
2.	0.2011	0.0862	0.4735	0.7608
5.	0.2728	0.2145	0.4996	0.9869
10.	0.3326	0.3275	0.4842	1.1445
20.	0.3960	0.4515	0.4618	1.3093
50.	0.4830	0.6253	0.4374	1.5457
100.	0.5490	0.7533	0.4256	1.7279
200.	0.6109	0.8643	0.4197	1.8950
500.	0.6847	0.9845	0.4188	2.0881
1000.	0.7325	1.0590	0.4258	2.2174
2000.	0.7723	1.1120	0.4374	2.3218
5000.	0.8122	1.1593	0.4590	2.4305
10000.	0.8335	1.1816	0.4807	2.4958
20000.	0.8484	1.1957	0.5061	2.5503
50000.	0.8613	1.2067	0.5461	2.6141
100000.	0.8668	1.2113	0.5805	2.6585