

$b(E) \times 10^6$  [cm<sup>2</sup>g<sup>-1</sup>] for  
 polyimide film [(C<sub>22</sub>H<sub>10</sub>N<sub>2</sub>O<sub>5</sub>)<sub>n</sub>]  
 $\langle Z/A \rangle = 0.51264$

E [GeV]	$b_{\text{brems}}$	$b_{\text{pair}}$	$b_{\text{nucl}}$	$b_{\text{tot}}$
2.	0.2561	0.1116	0.4697	0.8375
5.	0.3472	0.2757	0.4967	1.1196
10.	0.4225	0.4173	0.4819	1.3217
20.	0.5020	0.5720	0.4597	1.5336
50.	0.6102	0.7893	0.4356	1.8352
100.	0.6916	0.9435	0.4238	2.0589
200.	0.7680	1.0859	0.4178	2.2717
500.	0.8589	1.2328	0.4169	2.5087
1000.	0.9174	1.3231	0.4238	2.6643
2000.	0.9658	1.3867	0.4352	2.7877
5000.	1.0142	1.4429	0.4565	2.9136
10000.	1.0399	1.4695	0.4779	2.9874
20000.	1.0580	1.4863	0.5032	3.0474
50000.	1.0735	1.4995	0.5427	3.1156
100000.	1.0803	1.5049	0.5766	3.1619