

**Table 091:**  $b(E) \times 10^6$  [ $\text{cm}^2\text{g}^{-1}$ ] for  
Protactinium,  $Z = 91$ ,  $A = [231.03588(2)]$

E [GeV]	$b_{\text{brems}}$	$b_{\text{pair}}$	$b_{\text{nucl}}$	$b_{\text{tot}}$
2.	2.1226	0.3143	0.3591	2.7961
5.	2.9495	1.9739	0.3833	5.3067
10.	3.6252	3.2648	0.3759	7.2658
20.	4.3186	4.4493	0.3626	9.1305
50.	5.2249	6.2661	0.3478	11.8388
100.	5.8683	7.4621	0.3408	13.6712
200.	6.4542	8.5192	0.3375	15.3109
500.	7.1094	9.4846	0.3377	16.9317
1000.	7.5023	9.9943	0.3430	17.8396
2000.	7.8068	10.3609	0.3512	18.5189
5000.	8.0880	10.6668	0.3661	19.1210
10000.	8.2266	10.8077	0.3810	19.4153
20000.	8.3181	10.8997	0.3983	19.6161
50000.	8.3936	10.9676	0.4253	19.7866
100000.	8.4269	10.9962	0.4485	19.8716