

$b(E) \times 10^6$  [cm<sup>2</sup>g<sup>-1</sup>] for  
manganese (Mn),  $Z = 25$ ,  $A = 54.938044(3)$

E [GeV]	$b_{\text{brems}}$	$b_{\text{pair}}$	$b_{\text{nucl}}$	$b_{\text{tot}}$
2.	0.7828	0.3699	0.4120	1.5647
5.	1.0691	0.9230	0.4205	2.4126
10.	1.3016	1.3574	0.4296	3.0886
20.	1.5407	1.8009	0.4128	3.7544
50.	1.8572	2.4490	0.3940	4.7002
100.	2.0854	2.8903	0.3849	5.3606
200.	2.2974	3.2922	0.3805	5.9700
500.	2.5414	3.6733	0.3803	6.5949
1000.	2.6925	3.8810	0.3863	6.9598
2000.	2.8133	4.0336	0.3961	7.2430
5000.	2.9289	4.1627	0.4141	7.5057
10000.	2.9878	4.2233	0.4321	7.6432
20000.	3.0278	4.2627	0.4531	7.7435
50000.	3.0613	4.2928	0.4858	7.8399
100000.	3.0767	4.3053	0.5138	7.8958