

$b(E) \times 10^6$  [cm<sup>2</sup>g<sup>-1</sup>] for  
calcium (Ca),  $Z = 20$ ,  $A = 40.078(4)$

E [GeV]	$b_{\text{brems}}$	$b_{\text{pair}}$	$b_{\text{nucl}}$	$b_{\text{tot}}$
2.	0.7088	0.3338	0.4240	1.4667
5.	0.9649	0.8219	0.4523	2.2390
10.	1.1727	1.2083	0.4416	2.8226
20.	1.3869	1.6123	0.4237	3.4230
50.	1.6706	2.1899	0.4038	4.2644
100.	1.8760	2.5875	0.3941	4.8577
200.	2.0676	2.9531	0.3893	5.4100
500.	2.2891	3.3020	0.3889	5.9800
1000.	2.4270	3.4935	0.3951	6.3157
2000.	2.5379	3.6347	0.4052	6.5779
5000.	2.6447	3.7546	0.4239	6.8232
10000.	2.6994	3.8109	0.4426	6.9530
20000.	2.7381	3.8475	0.4645	7.0501
50000.	2.7681	3.8756	0.4986	7.1423
100000.	2.7827	3.8873	0.5278	7.1978