

$b(E) \times 10^6$  [cm<sup>2</sup>g<sup>-1</sup>] for  
 Freon-13 (CF<sub>3</sub>Cl)  
 $\langle Z/A \rangle = 0.47966$

E [GeV]	$b_{\text{brems}}$	$b_{\text{pair}}$	$b_{\text{nucl}}$	$b_{\text{tot}}$
2.	0.4058	0.1869	0.4468	1.0395
5.	0.5512	0.4576	0.4742	1.4830
10.	0.6698	0.6788	0.4614	1.8101
20.	0.7933	0.9155	0.4416	2.1504
50.	0.9586	1.2511	0.4196	2.6294
100.	1.0798	1.4854	0.4090	2.9742
200.	1.1939	1.7009	0.4037	3.2985
500.	1.3271	1.9137	0.4031	3.6440
1000.	1.4111	2.0375	0.4097	3.8584
2000.	1.4797	2.1259	0.4206	4.0261
5000.	1.5468	2.2024	0.4405	4.1897
10000.	1.5817	2.2385	0.4606	4.2808
20000.	1.6062	2.2613	0.4842	4.3516
50000.	1.6262	2.2796	0.5210	4.4268
100000.	1.6357	2.2871	0.5525	4.4754