

$b(E) \times 10^6$  [cm<sup>2</sup>g<sup>-1</sup>] for  
tissue-equivalent gas (Propane based)  
 $\langle Z/A \rangle = 0.55027$

E [GeV]	$b_{\text{brems}}$	$b_{\text{pair}}$	$b_{\text{nucl}}$	$b_{\text{tot}}$
2.	0.2506	0.1085	0.4751	0.8342
5.	0.3400	0.2692	0.5024	1.1116
10.	0.4143	0.4095	0.4870	1.3108
20.	0.4930	0.5626	0.4642	1.5197
50.	0.6005	0.7776	0.4393	1.8176
100.	0.6814	0.9302	0.4272	2.0388
200.	0.7579	1.0711	0.4209	2.2499
500.	0.8489	1.2172	0.4199	2.4861
1000.	0.9076	1.3072	0.4267	2.6416
2000.	0.9565	1.3709	0.4382	2.7656
5000.	1.0057	1.4273	0.4597	2.8927
10000.	1.0320	1.4540	0.4814	2.9674
20000.	1.0507	1.4708	0.5070	3.0285
50000.	1.0669	1.4840	0.5471	3.0979
100000.	1.0742	1.4894	0.5817	3.1453