

$b(E) \times 10^6$  [cm<sup>2</sup>g<sup>-1</sup>] for  
carbon dioxide gas (CO<sub>2</sub>)  
 $\langle Z/A \rangle = 0.49989$

E [GeV]	$b_{\text{brems}}$	$b_{\text{pair}}$	$b_{\text{nucl}}$	$b_{\text{tot}}$
2.	0.2937	0.1301	0.4624	0.8862
5.	0.3979	0.3196	0.4897	1.2072
10.	0.4837	0.4799	0.4755	1.4391
20.	0.5737	0.6545	0.4541	1.6823
50.	0.6956	0.9004	0.4307	2.0268
100.	0.7860	1.0743	0.4194	2.2797
200.	0.8719	1.2342	0.4136	2.5197
500.	0.9730	1.3973	0.4128	2.7830
1000.	1.0374	1.4969	0.4196	2.9539
2000.	1.0907	1.5664	0.4308	3.0880
5000.	1.1436	1.6276	0.4517	3.2229
10000.	1.1714	1.6565	0.4728	3.3008
20000.	1.1908	1.6748	0.4975	3.3631
50000.	1.2074	1.6893	0.5361	3.4329
100000.	1.2151	1.6953	0.5693	3.4797