

$b(E) \times 10^6$  [cm<sup>2</sup>g<sup>-1</sup>] for  
methane (CH<sub>4</sub>)  
 $\langle Z/A \rangle = 0.62334$

E [GeV]	$b_{\text{brems}}$	$b_{\text{pair}}$	$b_{\text{nucl}}$	$b_{\text{tot}}$
2.	0.2088	0.0873	0.4904	0.7865
5.	0.2841	0.2205	0.5178	1.0224
10.	0.3477	0.3424	0.5009	1.1909
20.	0.4158	0.4754	0.4765	1.3677
50.	0.5104	0.6619	0.4497	1.6221
100.	0.5827	0.7946	0.4365	1.8138
200.	0.6509	0.9179	0.4297	1.9985
500.	0.7333	1.0487	0.4285	2.2106
1000.	0.7873	1.1301	0.4351	2.3525
2000.	0.8327	1.1888	0.4469	2.4684
5000.	0.8792	1.2412	0.4691	2.5896
10000.	0.9048	1.2659	0.4916	2.6623
20000.	0.9232	1.2815	0.5184	2.7230
50000.	0.9396	1.2935	0.5602	2.7932
100000.	0.9470	1.2984	0.5964	2.8418