

$b(E) \times 10^6$  [cm<sup>2</sup>g<sup>-1</sup>] for  
gadolinium oxysulfide (Gd<sub>2</sub>O<sub>2</sub>S)  
 $\langle Z/A \rangle = 0.42266$

E [GeV]	$b_{\text{brems}}$	$b_{\text{pair}}$	$b_{\text{nucl}}$	$b_{\text{tot}}$
2.	1.4107	0.4701	0.3851	2.2659
5.	1.9485	1.5419	0.4109	3.9014
10.	2.3869	2.3747	0.4022	5.1639
20.	2.8369	3.1698	0.3831	6.3897
50.	3.4272	4.3641	0.3705	8.1618
100.	3.8484	5.1592	0.3624	9.3701
200.	4.2347	5.8676	0.3586	10.4609
500.	4.6708	6.5251	0.3586	11.5546
1000.	4.9354	6.8759	0.3643	12.1755
2000.	5.1426	7.1296	0.3733	12.6454
5000.	5.3363	7.3425	0.3897	13.0685
10000.	5.4330	7.4412	0.4060	13.2803
20000.	5.4975	7.5055	0.4252	13.4282
50000.	5.5509	7.5539	0.4550	13.5598
100000.	5.5749	7.5739	0.4804	13.6293