

$b(E) \times 10^6$  [cm<sup>2</sup>g<sup>-1</sup>] for  
lutetium fluoride (LuF<sub>3</sub>)  
 $\langle Z/A \rangle = 0.42248$

E [GeV]	$b_{\text{brems}}$	$b_{\text{pair}}$	$b_{\text{nucl}}$	$b_{\text{tot}}$
2.	1.4062	0.4117	0.3896	2.2074
5.	1.9446	1.4852	0.4152	3.8448
10.	2.3837	2.3205	0.4061	5.1104
20.	2.8347	3.1120	0.3869	6.3337
50.	3.4261	4.3056	0.3735	8.1052
100.	3.8478	5.0990	0.3652	9.3121
200.	4.2343	5.8054	0.3613	10.4009
500.	4.6699	6.4580	0.3612	11.4891
1000.	4.9336	6.8078	0.3670	12.1083
2000.	5.1399	7.0596	0.3761	12.5755
5000.	5.3324	7.2710	0.3928	12.9963
10000.	5.4284	7.3690	0.4095	13.2068
20000.	5.4923	7.4327	0.4289	13.3538
50000.	5.5452	7.4806	0.4592	13.4851
100000.	5.5689	7.5005	0.4853	13.5546