

$b(E) \times 10^6$  [cm<sup>2</sup>g<sup>-1</sup>] for  
Kolar Gold Fields rock  
 $\langle Z/A \rangle = 0.48605$

E [GeV]	$b_{\text{brems}}$	$b_{\text{pair}}$	$b_{\text{nucl}}$	$b_{\text{tot}}$
2.	0.4565	0.2117	0.4409	1.1090
5.	0.6196	0.5165	0.4687	1.6047
10.	0.7526	0.7635	0.4566	1.9726
20.	0.8906	1.0277	0.4372	2.3556
50.	1.0749	1.4027	0.4159	2.8935
100.	1.2095	1.6641	0.4055	3.2791
200.	1.3369	1.8962	0.4003	3.6333
500.	1.4842	2.1367	0.3997	4.0206
1000.	1.5772	2.2763	0.4062	4.2598
2000.	1.6530	2.3739	0.4169	4.4438
5000.	1.7269	2.4579	0.4365	4.6213
10000.	1.7653	2.4974	0.4562	4.7190
20000.	1.7926	2.5224	0.4793	4.7945
50000.	1.8141	2.5426	0.5155	4.8723
100000.	1.8246	2.5509	0.5464	4.9219