

$b(E) \times 10^6$  [cm<sup>2</sup>g<sup>-1</sup>] for  
blood (ICRP)  
 $\langle Z/A \rangle = 0.54995$

E [GeV]	$b_{\text{brems}}$	$b_{\text{pair}}$	$b_{\text{nucl}}$	$b_{\text{tot}}$
2.	0.2864	0.1260	0.4697	0.8822
5.	0.3886	0.3112	0.4973	1.1971
10.	0.4731	0.4700	0.4824	1.4255
20.	0.5621	0.6426	0.4601	1.6648
50.	0.6831	0.8856	0.4357	2.0045
100.	0.7731	1.0573	0.4239	2.2542
200.	0.8590	1.2154	0.4178	2.4922
500.	0.9603	1.3776	0.4168	2.7547
1000.	1.0252	1.4767	0.4235	2.9255
2000.	1.0791	1.5465	0.4348	3.0604
5000.	1.1330	1.6079	0.4560	3.1969
10000.	1.1616	1.6369	0.4774	3.2761
20000.	1.1819	1.6553	0.5027	3.3398
50000.	1.1994	1.6697	0.5421	3.4112
100000.	1.2077	1.6756	0.5760	3.4594