$b(E) \times 10^6$ [cm^{2}g^{-1}] for
UD rock for doug
$\langle Z/A \rangle = 0.49602$

E [GeV]	b_{brems}	b_{pair}	b_{nucl}	b_{tot}
2.	0.4195	0.1923	0.4479	1.0596
5.	0.5693	0.4710	0.4755	1.5159
10.	0.6916	0.6987	0.4627	1.8531
20.	0.8189	0.9425	0.4427	2.2041
50.	0.9892	1.2884	0.4207	2.6984
100.	1.1139	1.5299	0.4100	3.0538
200.	1.2320	1.7464	0.4046	3.3830
500.	1.3690	1.9718	0.4039	3.7448
1000.	1.4557	2.0992	0.4106	3.9655
2000.	1.5265	2.1906	0.4214	4.1384
5000.	1.5957	2.2695	0.4414	4.3066
10000.	1.6317	2.3068	0.4616	4.4001
20000.	1.6571	2.3304	0.4852	4.4726
50000.	1.6777	2.3492	0.5221	4.5490
100000.	1.6876	2.3569	0.5537	4.5983