

**Table 158: Muons in Ferroboride (FeB)**

$\langle Z/A \rangle$	$\rho$ [g/cm <sup>3</sup> ]	$I$ [eV]	$a$	$k = m_s$	$x_0$	$x_1$	$\bar{C}$	$\delta_0$
0.46507	7.150	261.0	0.12911	3.0240	-0.0988	3.1749	4.2057	0.00
$T$	$p$ [MeV/c]	Ionization	Brems	Pair prod [MeV cm <sup>2</sup> /g]	Photonucl	Total	CSDA range [g/cm <sup>2</sup> ]	
10.0 MeV	$4.704 \times 10^1$	5.597				5.597	$1.002 \times 10^0$	
14.0 MeV	$5.616 \times 10^1$	4.397				4.397	$1.816 \times 10^0$	
20.0 MeV	$6.802 \times 10^1$	3.457				3.457	$3.372 \times 10^0$	
30.0 MeV	$8.509 \times 10^1$	2.701				2.701	$6.689 \times 10^0$	
40.0 MeV	$1.003 \times 10^2$	2.313				2.313	$1.072 \times 10^1$	
80.0 MeV	$1.527 \times 10^2$	1.741				1.741	$3.127 \times 10^1$	
100. MeV	$1.764 \times 10^2$	1.637				1.638	$4.315 \times 10^1$	
140. MeV	$2.218 \times 10^2$	1.534				1.534	$6.850 \times 10^1$	
200. MeV	$2.868 \times 10^2$	1.479				1.480	$1.085 \times 10^2$	
277. MeV	$3.673 \times 10^2$	1.466			0.000	1.466	<i>Minimum ionization</i>	
300. MeV	$3.917 \times 10^2$	1.467			0.000	1.467	$1.765 \times 10^2$	
400. MeV	$4.945 \times 10^2$	1.480	0.000		0.000	1.481	$2.444 \times 10^2$	
800. MeV	$8.995 \times 10^2$	1.559	0.000		0.000	1.559	$5.076 \times 10^2$	
1.00 GeV	$1.101 \times 10^3$	1.592	0.001		0.000	1.593	$6.344 \times 10^2$	
1.40 GeV	$1.502 \times 10^3$	1.644	0.001	0.000	0.001	1.646	$8.813 \times 10^2$	
2.00 GeV	$2.103 \times 10^3$	1.702	0.001	0.001	0.001	1.706	$1.239 \times 10^3$	
3.00 GeV	$3.104 \times 10^3$	1.768	0.003	0.002	0.001	1.774	$1.813 \times 10^3$	
4.00 GeV	$4.104 \times 10^3$	1.813	0.004	0.003	0.002	1.822	$2.369 \times 10^3$	
8.00 GeV	$8.105 \times 10^3$	1.917	0.009	0.009	0.004	1.939	$4.489 \times 10^3$	
10.0 GeV	$1.011 \times 10^4$	1.948	0.012	0.013	0.004	1.977	$5.511 \times 10^3$	
14.0 GeV	$1.411 \times 10^4$	1.993	0.018	0.020	0.006	2.038	$7.502 \times 10^3$	
20.0 GeV	$2.011 \times 10^4$	2.038	0.029	0.033	0.008	2.108	$1.039 \times 10^4$	
30.0 GeV	$3.011 \times 10^4$	2.085	0.047	0.058	0.012	2.203	$1.503 \times 10^4$	
40.0 GeV	$4.011 \times 10^4$	2.117	0.066	0.085	0.016	2.285	$1.949 \times 10^4$	
80.0 GeV	$8.011 \times 10^4$	2.189	0.150	0.204	0.032	2.575	$3.595 \times 10^4$	
100. GeV	$1.001 \times 10^5$	2.211	0.194	0.268	0.039	2.713	$4.351 \times 10^4$	
140. GeV	$1.401 \times 10^5$	2.244	0.285	0.401	0.054	2.985	$5.756 \times 10^4$	
200. GeV	$2.001 \times 10^5$	2.278	0.427	0.611	0.077	3.394	$7.640 \times 10^4$	
300. GeV	$3.001 \times 10^5$	2.316	0.671	0.964	0.116	4.068	$1.033 \times 10^5$	
390. GeV	$3.901 \times 10^5$	2.341	0.898	1.293	0.151	4.684	<i>Muon critical energy</i>	
400. GeV	$4.001 \times 10^5$	2.344	0.923	1.330	0.155	4.753	$1.260 \times 10^5$	
800. GeV	$8.001 \times 10^5$	2.410	1.968	2.835	0.312	7.527	$1.923 \times 10^5$	
1.00 TeV	$1.000 \times 10^6$	2.432	2.505	3.607	0.392	8.938	$2.167 \times 10^5$	
1.40 TeV	$1.400 \times 10^6$	2.465	3.584	5.147	0.556	11.753	$2.556 \times 10^5$	
2.00 TeV	$2.000 \times 10^6$	2.500	5.237	7.500	0.805	16.043	$2.991 \times 10^5$	
3.00 TeV	$3.000 \times 10^6$	2.541	7.999	11.411	1.232	23.184	$3.507 \times 10^5$	
4.00 TeV	$4.000 \times 10^6$	2.570	10.801	15.368	1.666	30.406	$3.883 \times 10^5$	
8.00 TeV	$8.000 \times 10^6$	2.643	22.113	31.281	3.469	59.507	$4.806 \times 10^5$	
10.0 TeV	$1.000 \times 10^7$	2.666	27.820	39.285	4.397	74.168	$5.106 \times 10^5$	
14.0 TeV	$1.400 \times 10^7$	2.703	39.203	55.250	6.302	103.459	$5.561 \times 10^5$	
20.0 TeV	$2.000 \times 10^7$	2.741	56.391	79.309	9.226	147.669	$6.044 \times 10^5$	
30.0 TeV	$3.000 \times 10^7$	2.787	85.006	119.338	14.289	221.421	$6.593 \times 10^5$	
40.0 TeV	$4.000 \times 10^7$	2.819	113.738	159.473	19.478	295.509	$6.983 \times 10^5$	
80.0 TeV	$8.000 \times 10^7$	2.899	228.875	320.135	41.187	593.097	$7.920 \times 10^5$	
100. TeV	$1.000 \times 10^8$	2.926	286.558	400.547	52.416	742.448	$8.220 \times 10^5$	