Table 158: Muons in Ferroboride (FeB)

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