Muons in ferrous oxide (FeO)

$\langle Z/A \rangle$	ρ [g/cm^3]	I [eV]	a	$k = m_s$	x_0	x_1	$\overline{C}$	δ_0
0.47323	5.700	248.6	0.12959	3.0168	−0.0279	3.2002	4.3175	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	5.738				5.738	9.763×10^{-1}
14.0 MeV	5.616×10^1	4.506				4.506	1.771×10^0
20.0 MeV	6.802×10^1	3.542				3.542	3.289×10^0
30.0 MeV	8.509×10^1	2.766				2.766	6.527×10^0
40.0 MeV	1.003×10^2	2.372				2.372	1.046×10^1
80.0 MeV	1.527×10^2	1.786				1.786	3.050×10^1
100. MeV	1.764×10^2	1.679				1.680	4.207×10^1
140. MeV	2.218×10^2	1.574				1.574	6.679×10^1
200. MeV	2.868×10^2	1.517				1.517	1.058×10^2
277. MeV	3.683×10^2	1.503			0.000	1.503	*Minimum ionization*
300. MeV	3.917×10^2	1.504			0.000	1.504	1.721×10^2
400. MeV	4.945×10^2	1.518	0.000		0.000	1.518	2.384×10^2
800. MeV	8.995×10^2	1.598	0.000		0.000	1.599	4.950×10^2
1.00 GeV	1.101×10^3	1.631	0.001		0.000	1.633	6.188×10^2
1.40 GeV	1.502×10^3	1.686	0.001	0.000	0.001	1.688	8.596×10^2
2.00 GeV	2.103×10^3	1.745	0.001	0.001	0.001	1.748	1.209×10^3
3.00 GeV	3.104×10^3	1.812	0.003	0.002	0.001	1.818	1.769×10^3
4.00 GeV	4.104×10^3	1.858	0.004	0.003	0.002	1.867	2.311×10^3
8.00 GeV	8.105×10^3	1.964	0.009	0.009	0.004	1.986	4.381×10^3
10.0 GeV	1.011×10^4	1.996	0.012	0.012	0.004	2.025	5.378×10^3
14.0 GeV	1.411×10^4	2.042	0.018	0.020	0.006	2.087	7.322×10^3
20.0 GeV	2.011×10^4	2.088	0.028	0.033	0.008	2.158	1.015×10^4
30.0 GeV	3.011×10^4	2.137	0.046	0.057	0.012	2.253	1.468×10^4
40.0 GeV	4.011×10^4	2.169	0.065	0.084	0.016	2.335	1.904×10^4
80.0 GeV	8.011×10^4	2.243	0.147	0.201	0.032	2.622	3.518×10^4
100. GeV	1.001×10^5	2.265	0.191	0.264	0.039	2.759	4.261×10^4
140. GeV	1.401×10^5	2.298	0.280	0.394	0.055	3.028	5.644×10^4
200. GeV	2.001×10^5	2.333	0.420	0.601	0.077	3.432	7.505×10^4
300. GeV	3.001×10^5	2.372	0.660	0.948	0.116	4.097	1.017×10^5
400. GeV	4.001×10^5	2.400	0.908	1.308	0.155	4.772	1.243×10^5
405. GeV	4.047×10^5	2.401	0.920	1.325	0.157	4.803	*Muon critical energy*
800. GeV	8.001×10^5	2.468	1.936	2.789	0.313	7.507	1.906×10^5
1.00 TeV	1.000×10^6	2.490	2.465	3.549	0.393	8.898	2.150×10^5
1.40 TeV	1.400×10^6	2.523	3.527	5.065	0.557	11.673	2.542×10^5
2.00 TeV	2.000×10^6	2.559	5.153	7.380	0.806	15.900	2.980×10^5
3.00 TeV	3.000×10^6	2.601	7.872	11.230	1.234	22.937	3.501×10^5
4.00 TeV	4.000×10^6	2.631	10.630	15.124	1.669	30.055	3.881×10^5
8.00 TeV	8.000×10^6	2.704	21.766	30.788	3.474	58.733	4.816×10^5
10.0 TeV	1.000×10^7	2.728	27.384	38.666	4.403	73.182	5.120×10^5
14.0 TeV	1.400×10^7	2.765	38.590	54.381	6.311	102.049	5.581×10^5
20.0 TeV	2.000×10^7	2.805	55.512	78.063	9.240	145.621	6.071×10^5
30.0 TeV	3.000×10^7	2.851	83.684	117.467	14.310	218.313	6.628×10^5
40.0 TeV	4.000×10^7	2.884	111.972	156.974	19.507	291.337	7.023×10^5
80.0 TeV	8.000×10^7	2.965	225.335	315.126	41.247	584.675	7.973×10^5
100. TeV	1.000×10^8	2.992	282.133	394.282	52.492	731.901	8.278×10^5