Muons in ferric oxide (Fe_2O_3)

$\langle Z/A \rangle$	ρ [g/cm^3]	I [eV]	a	$k = m_s$	x_0	x_1	$\overline{C}$	δ_0
0.47592	5.200	227.3	0.10478	3.1313	−0.0074	3.2573	4.2245	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	5.849				5.849	9.565×10^{-1}
14.0 MeV	5.616×10^1	4.591				4.591	1.736×10^0
20.0 MeV	6.802×10^1	3.607				3.607	3.227×10^0
30.0 MeV	8.509×10^1	2.815				2.815	6.408×10^0
40.0 MeV	1.003×10^2	2.414				2.414	1.027×10^1
80.0 MeV	1.527×10^2	1.816				1.816	2.997×10^1
100. MeV	1.764×10^2	1.707				1.707	4.135×10^1
140. MeV	2.218×10^2	1.599				1.599	6.568×10^1
200. MeV	2.868×10^2	1.540				1.540	1.041×10^2
277. MeV	3.683×10^2	1.525			0.000	1.525	*Minimum ionization*
300. MeV	3.917×10^2	1.526			0.000	1.526	1.695×10^2
400. MeV	4.945×10^2	1.539	0.000		0.000	1.539	2.348×10^2
800. MeV	8.995×10^2	1.618	0.000		0.000	1.619	4.881×10^2
1.00 GeV	1.101×10^3	1.651	0.001		0.000	1.652	6.104×10^2
1.40 GeV	1.502×10^3	1.705	0.001	0.000	0.001	1.707	8.484×10^2
2.00 GeV	2.103×10^3	1.764	0.001	0.001	0.001	1.767	1.193×10^3
3.00 GeV	3.104×10^3	1.831	0.002	0.002	0.001	1.836	1.748×10^3
4.00 GeV	4.104×10^3	1.877	0.003	0.003	0.002	1.885	2.285×10^3
8.00 GeV	8.105×10^3	1.983	0.008	0.008	0.004	2.004	4.336×10^3
10.0 GeV	1.011×10^4	2.015	0.011	0.012	0.004	2.042	5.324×10^3
14.0 GeV	1.411×10^4	2.060	0.017	0.019	0.006	2.103	7.253×10^3
20.0 GeV	2.011×10^4	2.106	0.027	0.031	0.008	2.173	1.006×10^4
30.0 GeV	3.011×10^4	2.155	0.044	0.054	0.012	2.265	1.456×10^4
40.0 GeV	4.011×10^4	2.188	0.061	0.079	0.016	2.345	1.890×10^4
80.0 GeV	8.011×10^4	2.262	0.139	0.189	0.032	2.622	3.500×10^4
100. GeV	1.001×10^5	2.284	0.180	0.249	0.039	2.753	4.245×10^4
140. GeV	1.401×10^5	2.318	0.264	0.372	0.055	3.009	5.634×10^4
200. GeV	2.001×10^5	2.353	0.397	0.567	0.078	3.395	7.510×10^4
300. GeV	3.001×10^5	2.392	0.623	0.895	0.117	4.027	1.021×10^5
400. GeV	4.001×10^5	2.420	0.858	1.235	0.156	4.669	1.252×10^5
429. GeV	4.288×10^5	2.427	0.926	1.334	0.167	4.854	*Muon critical energy*
800. GeV	8.001×10^5	2.488	1.829	2.634	0.315	7.267	1.933×10^5
1.00 TeV	1.000×10^6	2.510	2.328	3.353	0.396	8.587	2.186×10^5
1.40 TeV	1.400×10^6	2.544	3.332	4.785	0.561	11.222	2.592×10^5
2.00 TeV	2.000×10^6	2.580	4.869	6.974	0.811	15.235	3.050×10^5
3.00 TeV	3.000×10^6	2.622	7.438	10.613	1.242	21.916	3.594×10^5
4.00 TeV	4.000×10^6	2.652	10.046	14.294	1.680	28.672	3.992×10^5
8.00 TeV	8.000×10^6	2.726	20.573	29.102	3.498	55.900	4.973×10^5
10.0 TeV	1.000×10^7	2.750	25.884	36.551	4.433	69.619	5.293×10^5
14.0 TeV	1.400×10^7	2.787	36.479	51.407	6.356	97.030	5.778×10^5
20.0 TeV	2.000×10^7	2.827	52.479	73.797	9.306	138.409	6.293×10^5
30.0 TeV	3.000×10^7	2.873	79.115	111.050	14.416	207.454	6.879×10^5
40.0 TeV	4.000×10^7	2.906	105.861	148.403	19.653	276.824	7.295×10^5
80.0 TeV	8.000×10^7	2.989	213.054	297.929	41.568	555.540	8.295×10^5
100. TeV	1.000×10^8	3.016	266.761	372.768	52.906	695.452	8.616×10^5