Table 126: Muons in C-552 air-equivalent plastic

$\langle Z/A \rangle$	ρ [g/cm^3]	I [eV]	a	$k = m_s$	x_0	x_1	$\overline{C}$	δ_0
0.49969	1.760	86.8	0.10492	3.4344	0.1510	2.7083	3.3338	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	7.034				7.034	7.867×10^{-1}
14.0 MeV	5.616×10^1	5.491				5.491	1.437×10^0
20.0 MeV	6.802×10^1	4.291				4.291	2.687×10^0
30.0 MeV	8.509×10^1	3.332				3.332	5.369×10^0
40.0 MeV	1.003×10^2	2.846				2.846	8.638×10^0
80.0 MeV	1.527×10^2	2.138				2.138	2.536×10^1
100. MeV	1.764×10^2	2.004				2.004	3.505×10^1
140. MeV	2.218×10^2	1.867				1.867	5.583×10^1
200. MeV	2.868×10^2	1.789				1.789	8.878×10^1
300. MeV	3.917×10^2	1.760			0.000	1.760	1.453×10^2
313. MeV	4.055×10^2	1.760			0.000	1.760	*Minimum ionization*
400. MeV	4.945×10^2	1.766			0.000	1.767	2.020×10^2
800. MeV	8.995×10^2	1.835	0.000		0.000	1.835	4.242×10^2
1.00 GeV	1.101×10^3	1.866	0.000		0.000	1.867	5.323×10^2
1.40 GeV	1.502×10^3	1.916	0.000		0.001	1.917	7.436×10^2
2.00 GeV	2.103×10^3	1.972	0.001	0.000	0.001	1.974	1.052×10^3
3.00 GeV	3.104×10^3	2.035	0.001	0.001	0.001	2.038	1.550×10^3
4.00 GeV	4.104×10^3	2.079	0.001	0.001	0.002	2.083	2.035×10^3
8.00 GeV	8.105×10^3	2.179	0.003	0.003	0.004	2.190	3.902×10^3
10.0 GeV	1.011×10^4	2.209	0.005	0.005	0.005	2.223	4.808×10^3
14.0 GeV	1.411×10^4	2.253	0.007	0.008	0.007	2.275	6.586×10^3
20.0 GeV	2.011×10^4	2.298	0.011	0.013	0.009	2.331	9.190×10^3
30.0 GeV	3.011×10^4	2.346	0.018	0.022	0.013	2.400	1.342×10^4
40.0 GeV	4.011×10^4	2.379	0.026	0.032	0.017	2.454	1.753×10^4
80.0 GeV	8.011×10^4	2.454	0.058	0.078	0.034	2.625	3.327×10^4
100. GeV	1.001×10^5	2.478	0.075	0.103	0.042	2.699	4.078×10^4
140. GeV	1.401×10^5	2.513	0.111	0.155	0.058	2.837	5.523×10^4
200. GeV	2.001×10^5	2.549	0.167	0.237	0.083	3.037	7.567×10^4
300. GeV	3.001×10^5	2.591	0.264	0.376	0.124	3.355	1.070×10^5
400. GeV	4.001×10^5	2.620	0.364	0.521	0.165	3.671	1.355×10^5
800. GeV	8.001×10^5	2.692	0.781	1.125	0.334	4.933	2.291×10^5
953. GeV	9.536×10^5	2.710	0.945	1.364	0.400	5.421	*Muon critical energy*
1.00 TeV	1.000×10^6	2.715	0.996	1.438	0.420	5.569	2.673×10^5
1.40 TeV	1.400×10^6	2.751	1.429	2.058	0.596	6.834	3.320×10^5
2.00 TeV	2.000×10^6	2.788	2.095	3.010	0.863	8.756	4.094×10^5
3.00 TeV	3.000×10^6	2.832	3.210	4.593	1.323	11.959	5.067×10^5
4.00 TeV	4.000×10^6	2.864	4.345	6.199	1.790	15.197	5.807×10^5
8.00 TeV	8.000×10^6	2.941	8.937	12.664	3.735	28.277	7.707×10^5
10.0 TeV	1.000×10^7	2.967	11.258	15.920	4.737	34.882	8.343×10^5
14.0 TeV	1.400×10^7	3.006	15.890	22.409	6.800	48.105	9.315×10^5
20.0 TeV	2.000×10^7	3.048	22.895	32.195	9.970	68.107	1.036×10^6
30.0 TeV	3.000×10^7	3.096	34.558	48.478	15.470	101.603	1.155×10^6
40.0 TeV	4.000×10^7	3.131	46.282	64.813	21.115	135.341	1.240×10^6
80.0 TeV	8.000×10^7	3.217	93.278	130.210	44.797	271.502	1.445×10^6
100. TeV	1.000×10^8	3.246	116.833	162.947	57.070	340.096	1.511×10^6