Table 143: Muons in Chloroform ($CHCl_3$)

$\langle Z/A \rangle$	ρ [g/cm^3]	I [eV]	a	$k = m_s$	x_0	x_1	$\overline{C}$	δ_0
0.48585	1.483	156.0	0.16959	3.0627	0.1786	2.9581	4.7055	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	6.311				6.311	8.824×10^{-1}
14.0 MeV	5.616×10^1	4.942				4.942	1.606×10^0
20.0 MeV	6.802×10^1	3.874				3.874	2.993×10^0
30.0 MeV	8.509×10^1	3.017				3.017	5.958×10^0
40.0 MeV	1.003×10^2	2.583				2.583	9.564×10^0
80.0 MeV	1.527×10^2	1.951				1.951	2.794×10^1
100. MeV	1.764×10^2	1.836				1.837	3.854×10^1
140. MeV	2.218×10^2	1.722				1.722	6.113×10^1
200. MeV	2.868×10^2	1.661				1.661	9.673×10^1
277. MeV	3.683×10^2	1.645			0.000	1.646	*Minimum ionization*
300. MeV	3.917×10^2	1.646			0.000	1.646	1.574×10^2
400. MeV	4.945×10^2	1.660	0.000		0.000	1.661	2.179×10^2
800. MeV	8.995×10^2	1.745	0.000		0.000	1.745	4.527×10^2
1.00 GeV	1.101×10^3	1.780	0.000		0.000	1.781	5.661×10^2
1.40 GeV	1.502×10^3	1.836	0.001	0.000	0.001	1.838	7.871×10^2
2.00 GeV	2.103×10^3	1.898	0.001	0.001	0.001	1.900	1.108×10^3
3.00 GeV	3.104×10^3	1.967	0.002	0.001	0.001	1.971	1.624×10^3
4.00 GeV	4.104×10^3	2.014	0.003	0.002	0.002	2.021	2.124×10^3
8.00 GeV	8.105×10^3	2.122	0.007	0.007	0.004	2.139	4.041×10^3
10.0 GeV	1.011×10^4	2.154	0.009	0.009	0.004	2.177	4.968×10^3
14.0 GeV	1.411×10^4	2.200	0.014	0.015	0.006	2.235	6.780×10^3
20.0 GeV	2.011×10^4	2.246	0.021	0.025	0.009	2.301	9.424×10^3
30.0 GeV	3.011×10^4	2.295	0.035	0.043	0.013	2.386	1.369×10^4
40.0 GeV	4.011×10^4	2.327	0.050	0.063	0.017	2.457	1.782×10^4
80.0 GeV	8.011×10^4	2.401	0.112	0.152	0.032	2.699	3.332×10^4
100. GeV	1.001×10^5	2.424	0.145	0.201	0.040	2.810	4.059×10^4
140. GeV	1.401×10^5	2.458	0.214	0.300	0.056	3.028	5.429×10^4
200. GeV	2.001×10^5	2.494	0.321	0.459	0.079	3.353	7.311×10^4
300. GeV	3.001×10^5	2.534	0.504	0.725	0.119	3.882	1.008×10^5
400. GeV	4.001×10^5	2.563	0.695	1.001	0.158	4.417	1.249×10^5
543. GeV	5.430×10^5	2.593	0.973	1.405	0.215	5.187	*Muon critical energy*
800. GeV	8.001×10^5	2.632	1.483	2.140	0.320	6.574	1.987×10^5
1.00 TeV	1.000×10^6	2.655	1.888	2.724	0.401	7.669	2.268×10^5
1.40 TeV	1.400×10^6	2.689	2.704	3.891	0.569	9.854	2.728×10^5
2.00 TeV	2.000×10^6	2.726	3.954	5.676	0.824	13.180	3.252×10^5
3.00 TeV	3.000×10^6	2.769	6.045	8.642	1.261	18.718	3.886×10^5
4.00 TeV	4.000×10^6	2.799	8.168	11.645	1.706	24.318	4.353×10^5
8.00 TeV	8.000×10^6	2.875	16.744	23.726	3.554	46.899	5.517×10^5
10.0 TeV	1.000×10^7	2.900	21.072	29.804	4.505	58.282	5.899×10^5
14.0 TeV	1.400×10^7	2.937	29.715	41.922	6.461	81.035	6.479×10^5
20.0 TeV	2.000×10^7	2.978	42.773	60.185	9.462	115.398	7.096×10^5
30.0 TeV	3.000×10^7	3.025	64.487	90.587	14.662	172.761	7.800×10^5
40.0 TeV	4.000×10^7	3.059	86.292	121.076	19.993	230.420	8.299×10^5
80.0 TeV	8.000×10^7	3.143	173.711	243.121	42.309	462.285	9.501×10^5
100. TeV	1.000×10^8	3.170	217.524	304.206	53.857	578.758	9.887×10^5