Table 259: Muons in Tetrachloroethylene C_2Cl_4

$\langle Z/A\rangle$	ρ [g/cm^3]	I [eV]	a	$k = m_s$	x_0	x_1	$\overline{C}$	δ_0
0.48241	1.625	159.2	0.18595	3.0156	0.1713	2.9083	4.6619	0.00

T	p [MeV/c]	Ionization	Brems	Pair prod [MeV cm^2/g]	Photonucl	Total	CSDA range [g/cm^2]
10.0 MeV	4.704×10^{1}	6.248				6.248	8.915×10^{-1}
14.0 MeV	5.616×10^{1}	4.893				4.893	1.622×10^{0}
20.0 MeV	6.802×10^{1}	3.836				3.836	3.023×10^{0}
30.0 MeV	8.509×10^{1}	2.988				2.988	6.017×10^{0}
40.0 MeV	1.003×10^{2}	2.558				2.558	9.657×10^{0}
80.0 MeV	1.527×10^{2}	1.932				1.932	2.821×10^{1}
100. MeV	1.764×10^{2}	1.819				1.819	3.891×10^{1}
140. MeV	2.218×10^{2}	1.705				1.706	6.172×10^{1}
200. MeV	2.868×10^{2}	1.645				1.645	9.767×10^{1}
277. MeV	3.683×10^{2}	1.629			0.000	1.630	*Minimum ionization*
300. MeV	3.917×10^{2}	1.630			0.000	1.630	1.589×10^{2}
400. MeV	4.945×10^{2}	1.644			0.000	1.645	2.200×10^{2}
800. MeV	8.995×10^{2}	1.728	0.000		0.000	1.728	4.571×10^{2}
1.00 GeV	1.101×10^{3}	1.763	0.000		0.000	1.764	5.717×10^{2}
1.40 GeV	1.502×10^{3}	1.819	0.001	0.000	0.001	1.820	7.947×10^{2}
2.00 GeV	2.103×10^{3}	1.879	0.001	0.001	0.001	1.882	1.119×10^{3}
3.00 GeV	3.104×10^{3}	1.948	0.002	0.001	0.001	1.952	1.640×10^{3}
4.00 GeV	4.104×10^{3}	1.995	0.003	0.002	0.002	2.002	2.145×10^{3}
8.00 GeV	8.105×10^{3}	2.101	0.007	0.007	0.004	2.118	4.081×10^{3}
10.0 GeV	1.011×10^{4}	2.133	0.009	0.009	0.005	2.156	5.016×10^{3}
14.0 GeV	1.411×10^{4}	2.179	0.014	0.015	0.006	2.213	6.846×10^{3}
20.0 GeV	2.011×10^{4}	2.224	0.021	0.024	0.009	2.278	9.516×10^{3}
30.0 GeV	3.011×10^{4}	2.272	0.034	0.042	0.013	2.362	1.382×10^{4}
40.0 GeV	4.011×10^{4}	2.305	0.049	0.062	0.017	2.432	1.799×10^{4}
80.0 GeV	8.011×10^{4}	2.378	0.110	0.149	0.032	2.670	3.366×10^{4}
100. GeV	1.001×10^{5}	2.401	0.142	0.196	0.040	2.780	4.100×10^{4}
140. GeV	1.401×10^{5}	2.434	0.209	0.294	0.056	2.994	5.486×10^{4}
200. GeV	2.001×10^{5}	2.470	0.314	0.449	0.079	3.313	7.391×10^{4}
300. GeV	3.001×10^{5}	2.510	0.494	0.710	0.119	3.833	1.019×10^{5}
400. GeV	4.001×10^{5}	2.538	0.680	0.981	0.158	4.358	1.264×10^{5}
548. GeV	5.479×10^{5}	2.569	0.962	1.390	0.217	5.139	*Muon critical energy*
800. GeV	8.001×10^{5}	2.607	1.452	2.096	0.320	6.476	2.012×10^{5}
1.00 TeV	1.000×10^{6}	2.630	1.850	2.669	0.402	7.552	2.298×10^{5}
1.40 TeV	1.400×10^{6}	2.664	2.649	3.813	0.570	9.696	2.764×10^{5}
2.00 TeV	2.000×10^{6}	2.701	3.874	5.561	0.825	12.962	3.298×10^{5}
3.00 TeV	3.000×10^{6}	2.743	5.923	8.469	1.263	18.398	3.942×10^{5}
4.00 TeV	4.000×10^{6}	2.773	8.003	11.411	1.708	23.896	4.418×10^{5}
8.00 TeV	8.000×10^{6}	2.848	16.406	23.251	3.560	46.065	5.603×10^{5}
10.0 TeV	1.000×10^{7}	2.873	20.648	29.208	4.512	57.241	5.991×10^{5}
14.0 TeV	1.400×10^{7}	2.910	29.116	41.084	6.471	79.582	6.581×10^{5}
20.0 TeV	2.000×10^{7}	2.951	41.911	58.983	9.477	113.323	7.210×10^{5}
30.0 TeV	3.000×10^{7}	2.998	63.188	88.779	14.686	169.651	7.927×10^{5}
40.0 TeV	4.000×10^{7}	3.031	84.554	118.660	20.026	226.273	8.435×10^{5}
80.0 TeV	8.000×10^{7}	3.114	170.213	238.272	42.383	453.983	9.659×10^{5}
100. TeV	1.000×10^{8}	3.142	213.142	298.140	53.952	568.376	1.005×10^{6}