Muons in tetrachloroethylene (C_2C_{l4})

$\langle Z/A \rangle$	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	Photonucl	Total	CSDA range [g/cm^2]
		[MeV cm^2/g]					
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