Table 260: Muons in Thallium chloride (TlCl)

$\langle Z/A\rangle$	ρ [g/cm^3]	I [eV]	a	$k = m_s$	x_0	x_1	$\overline{C}$	δ_0
0.40861	7.004	690.3	0.18599	2.7690	0.0705	3.5716	6.3009	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	4.180				4.180	1.363×10^0
14.0 MeV	5.616×10^1	3.309				3.309	2.449×10^0
20.0 MeV	6.802×10^1	2.621				2.621	4.508×10^0
30.0 MeV	8.509×10^1	2.063				2.063	8.865×10^0
40.0 MeV	1.003×10^2	1.778				1.778	1.412×10^1
80.0 MeV	1.527×10^2	1.365				1.365	4.057×10^1
100. MeV	1.764×10^2	1.292				1.292	5.566×10^1
140. MeV	2.218×10^2	1.222				1.222	8.764×10^1
200. MeV	2.868×10^2	1.190				1.190	1.375×10^2
236. MeV	3.250×10^2	1.187	0.000			1.187	*Minimum ionization*
300. MeV	3.917×10^2	1.193	0.000		0.000	1.194	2.216×10^2
400. MeV	4.945×10^2	1.213	0.000		0.000	1.214	3.048×10^2
800. MeV	8.995×10^2	1.299	0.001		0.000	1.301	6.226×10^2
1.00 GeV	1.101×10^3	1.333	0.001		0.000	1.335	7.743×10^2
1.40 GeV	1.502×10^3	1.387	0.002		0.001	1.390	1.068×10^3
2.00 GeV	2.103×10^3	1.446	0.004	0.001	0.001	1.451	1.489×10^3
3.00 GeV	3.104×10^3	1.512	0.006	0.003	0.001	1.523	2.161×10^3
4.00 GeV	4.104×10^3	1.558	0.009	0.006	0.002	1.574	2.806×10^3
8.00 GeV	8.105×10^3	1.661	0.022	0.020	0.003	1.707	5.236×10^3
10.0 GeV	1.011×10^4	1.692	0.029	0.028	0.004	1.754	6.392×10^3
14.0 GeV	1.411×10^4	1.737	0.045	0.046	0.005	1.834	8.620×10^3
20.0 GeV	2.011×10^4	1.782	0.070	0.075	0.008	1.935	1.180×10^4
30.0 GeV	3.011×10^4	1.829	0.115	0.132	0.011	2.087	1.677×10^4
40.0 GeV	4.011×10^4	1.860	0.162	0.194	0.015	2.232	2.141×10^4
80.0 GeV	8.011×10^4	1.929	0.367	0.470	0.028	2.795	3.738×10^4
100. GeV	1.001×10^5	1.949	0.475	0.619	0.035	3.080	4.420×10^4
140. GeV	1.401×10^5	1.979	0.698	0.925	0.049	3.653	5.611×10^4
163. GeV	1.630×10^5	1.993	0.829	1.107	0.057	3.987	*Muon critical energy*
200. GeV	2.001×10^5	2.010	1.045	1.411	0.070	4.537	7.083×10^4
300. GeV	3.001×10^5	2.045	1.639	2.221	0.105	6.011	8.993×10^4
400. GeV	4.001×10^5	2.069	2.252	3.061	0.140	7.523	1.048×10^5
800. GeV	8.001×10^5	2.127	4.783	6.506	0.282	13.700	1.436×10^5
1.00 TeV	1.000×10^6	2.146	6.083	8.268	0.354	16.853	1.568×10^5
1.40 TeV	1.400×10^6	2.175	8.686	11.782	0.502	23.147	1.769×10^5
2.00 TeV	2.000×10^6	2.206	12.666	17.145	0.726	32.745	1.986×10^5
3.00 TeV	3.000×10^6	2.242	19.309	26.055	1.110	48.717	2.235×10^5
4.00 TeV	4.000×10^6	2.268	26.037	35.059	1.500	64.866	2.413×10^5
8.00 TeV	8.000×10^6	2.331	53.154	71.251	3.116	129.853	2.840×10^5
10.0 TeV	1.000×10^7	2.352	66.814	89.441	3.945	162.554	2.977×10^5
14.0 TeV	1.400×10^7	2.384	94.060	125.738	5.648	227.831	3.184×10^5
20.0 TeV	2.000×10^7	2.418	135.161	180.413	8.256	326.249	3.403×10^5
30.0 TeV	3.000×10^7	2.458	203.579	271.379	12.763	490.180	3.651×10^5
40.0 TeV	4.000×10^7	2.486	272.231	362.558	17.374	654.651	3.827×10^5
80.0 TeV	8.000×10^7	2.557	547.222	727.523	36.627	1313.930	4.250×10^5
100. TeV	1.000×10^8	2.580	684.935	910.170	46.570	1644.255	4.386×10^5