Table 257: Muons in Terphenyl $C_{18}H_{10}$

$\langle Z/A \rangle$	ρ [g/cm^3]	I [eV]	a	$k = m_s$	x_0	x_1	$\overline{C}$	δ_0
0.52148	1.234	71.7	0.14964	3.2685	0.1322	2.5429	3.2639	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	7.526				7.526	7.340×10^{-1}
14.0 MeV	5.616×10^1	5.869				5.870	1.342×10^0
20.0 MeV	6.802×10^1	4.583				4.583	2.512×10^0
30.0 MeV	8.509×10^1	3.555				3.555	5.025×10^0
40.0 MeV	1.003×10^2	3.035				3.035	8.089×10^0
80.0 MeV	1.527×10^2	2.274				2.274	2.379×10^1
100. MeV	1.764×10^2	2.131				2.131	3.290×10^1
140. MeV	2.218×10^2	1.984				1.984	5.245×10^1
200. MeV	2.868×10^2	1.900				1.900	8.347×10^1
300. MeV	3.917×10^2	1.868			0.000	1.868	1.367×10^2
318. MeV	4.105×10^2	1.867			0.000	1.867	*Minimum ionization*
400. MeV	4.945×10^2	1.873			0.000	1.874	1.902×10^2
800. MeV	8.995×10^2	1.944	0.000		0.000	1.944	3.998×10^2
1.00 GeV	1.101×10^3	1.976	0.000		0.000	1.977	5.018×10^2
1.40 GeV	1.502×10^3	2.028	0.000		0.001	2.029	7.014×10^2
2.00 GeV	2.103×10^3	2.086	0.000	0.000	0.001	2.087	9.927×10^2
3.00 GeV	3.104×10^3	2.151	0.001	0.001	0.001	2.154	1.464×10^3
4.00 GeV	4.104×10^3	2.196	0.001	0.001	0.002	2.200	1.923×10^3
8.00 GeV	8.105×10^3	2.300	0.003	0.003	0.004	2.310	3.692×10^3
10.0 GeV	1.011×10^4	2.332	0.004	0.004	0.005	2.344	4.551×10^3
14.0 GeV	1.411×10^4	2.377	0.006	0.006	0.007	2.396	6.238×10^3
20.0 GeV	2.011×10^4	2.423	0.009	0.011	0.009	2.453	8.711×10^3
30.0 GeV	3.011×10^4	2.474	0.015	0.019	0.014	2.521	1.273×10^4
40.0 GeV	4.011×10^4	2.508	0.022	0.027	0.018	2.575	1.665×10^4
80.0 GeV	8.011×10^4	2.586	0.049	0.066	0.034	2.737	3.170×10^4
100. GeV	1.001×10^5	2.611	0.064	0.088	0.043	2.805	3.891×10^4
140. GeV	1.401×10^5	2.647	0.095	0.132	0.059	2.933	5.285×10^4
200. GeV	2.001×10^5	2.686	0.143	0.202	0.084	3.114	7.270×10^4
300. GeV	3.001×10^5	2.729	0.225	0.321	0.126	3.401	1.034×10^5
400. GeV	4.001×10^5	2.760	0.311	0.445	0.168	3.684	1.316×10^5
800. GeV	8.001×10^5	2.834	0.669	0.964	0.339	4.807	2.264×10^5
1.00 TeV	1.000×10^6	2.859	0.854	1.232	0.426	5.371	2.658×10^5
1.13 TeV	1.134×10^6	2.872	0.978	1.409	0.485	5.745	*Muon critical energy*
1.40 TeV	1.400×10^6	2.895	1.227	1.766	0.604	6.494	3.334×10^5
2.00 TeV	2.000×10^6	2.935	1.801	2.585	0.875	8.197	4.155×10^5
3.00 TeV	3.000×10^6	2.981	2.762	3.949	1.342	11.034	5.203×10^5
4.00 TeV	4.000×10^6	3.014	3.741	5.332	1.816	13.903	6.009×10^5
8.00 TeV	8.000×10^6	3.095	7.706	10.906	3.791	25.498	8.102×10^5
10.0 TeV	1.000×10^7	3.121	9.712	13.715	4.808	31.356	8.808×10^5
14.0 TeV	1.400×10^7	3.162	13.714	19.309	6.905	43.091	9.892×10^5
20.0 TeV	2.000×10^7	3.206	19.771	27.749	10.128	60.853	1.106×10^6
30.0 TeV	3.000×10^7	3.256	29.855	41.791	15.722	90.625	1.240×10^6
40.0 TeV	4.000×10^7	3.293	39.995	55.879	21.466	120.633	1.335×10^6
80.0 TeV	8.000×10^7	3.382	80.630	112.283	45.576	241.871	1.565×10^6
100. TeV	1.000×10^8	3.412	100.995	140.519	58.076	303.003	1.638×10^6