

Muons in terphenyl (C₁₈H₁₀)

	$\langle Z/A \rangle$	ρ [g/cm ³]	I [eV]	a	$k = m_s$	x_0	x_1	\bar{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			<i>Minimum ionization</i>
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			<i>Muon critical energy</i>
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	