Table 145: Muons in Cyclohexane (C_6H_{12})

$\langle Z/A \rangle$	ρ [g/cm^3]	I [eV]	a	$k = m_s$	x_0	x_1	$\overline{C}$	δ_0
0.57034	0.779	56.4	0.12035	3.4278	0.1728	2.5549	3.1544	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	8.485				8.485	6.497×10^{-1}
14.0 MeV	5.616×10^1	6.610				6.610	1.189×10^0
20.0 MeV	6.802×10^1	5.156				5.156	2.229×10^0
30.0 MeV	8.509×10^1	3.995				3.995	4.464×10^0
40.0 MeV	1.003×10^2	3.408				3.408	7.192×10^0
80.0 MeV	1.527×10^2	2.553				2.553	2.119×10^1
100. MeV	1.764×10^2	2.392				2.392	2.930×10^1
140. MeV	2.218×10^2	2.225				2.225	4.672×10^1
200. MeV	2.868×10^2	2.128				2.128	7.440×10^1
300. MeV	3.917×10^2	2.089			0.000	2.089	1.220×10^2
328. MeV	4.211×10^2	2.087			0.000	2.088	*Minimum ionization*
400. MeV	4.945×10^2	2.093			0.000	2.093	1.698×10^2
800. MeV	8.995×10^2	2.166	0.000		0.000	2.166	3.578×10^2
1.00 GeV	1.101×10^3	2.200	0.000		0.000	2.201	4.494×10^2
1.40 GeV	1.502×10^3	2.256	0.000		0.001	2.257	6.288×10^2
2.00 GeV	2.103×10^3	2.317	0.000	0.000	0.001	2.319	8.908×10^2
3.00 GeV	3.104×10^3	2.388	0.001	0.000	0.001	2.390	1.315×10^3
4.00 GeV	4.104×10^3	2.436	0.001	0.001	0.002	2.440	1.729×10^3
8.00 GeV	8.105×10^3	2.549	0.003	0.003	0.004	2.558	3.325×10^3
10.0 GeV	1.011×10^4	2.583	0.004	0.004	0.005	2.595	4.101×10^3
14.0 GeV	1.411×10^4	2.633	0.006	0.006	0.007	2.651	5.625×10^3
20.0 GeV	2.011×10^4	2.683	0.009	0.010	0.009	2.711	7.861×10^3
30.0 GeV	3.011×10^4	2.738	0.015	0.018	0.014	2.784	1.150×10^4
40.0 GeV	4.011×10^4	2.775	0.021	0.026	0.018	2.840	1.505×10^4
80.0 GeV	8.011×10^4	2.861	0.047	0.063	0.035	3.007	2.872×10^4
100. GeV	1.001×10^5	2.888	0.061	0.084	0.043	3.076	3.529×10^4
140. GeV	1.401×10^5	2.928	0.091	0.126	0.060	3.204	4.803×10^4
200. GeV	2.001×10^5	2.970	0.137	0.193	0.085	3.385	6.624×10^4
300. GeV	3.001×10^5	3.017	0.216	0.307	0.127	3.668	9.461×10^4
400. GeV	4.001×10^5	3.051	0.299	0.427	0.170	3.946	1.209×10^5
800. GeV	8.001×10^5	3.132	0.644	0.925	0.343	5.044	2.103×10^5
1.00 TeV	1.000×10^6	3.159	0.822	1.183	0.430	5.595	2.479×10^5
1.29 TeV	1.287×10^6	3.189	1.079	1.550	0.559	6.378	*Muon critical energy*
1.40 TeV	1.400×10^6	3.199	1.182	1.697	0.611	6.689	3.132×10^5
2.00 TeV	2.000×10^6	3.243	1.736	2.485	0.884	8.348	3.934×10^5
3.00 TeV	3.000×10^6	3.293	2.665	3.799	1.355	11.112	4.969×10^5
4.00 TeV	4.000×10^6	3.329	3.612	5.132	1.834	13.907	5.772×10^5
8.00 TeV	8.000×10^6	3.417	7.450	10.502	3.831	25.201	7.878×10^5
10.0 TeV	1.000×10^7	3.446	9.393	13.208	4.860	30.908	8.594×10^5
14.0 TeV	1.400×10^7	3.490	13.272	18.599	6.982	42.344	9.695×10^5
20.0 TeV	2.000×10^7	3.538	19.144	26.732	10.243	59.658	1.088×10^6
30.0 TeV	3.000×10^7	3.594	28.924	40.262	15.907	88.687	1.225×10^6
40.0 TeV	4.000×10^7	3.633	38.762	53.838	21.722	117.955	1.322×10^6
80.0 TeV	8.000×10^7	3.732	78.203	108.188	46.153	236.276	1.557×10^6
100. TeV	1.000×10^8	3.764	97.977	135.397	58.825	295.964	1.633×10^6