

Table 178: Muons in n-Hexane C₆H₁₄

	$\langle Z/A \rangle$	ρ [g/cm ³]	I [eV]	a	$k = m_s$	x_0	x_1	\bar{C}	δ_0
	0.59020	0.660	54.0	0.11085	3.5027	0.1984	2.5757	3.2156	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	8.828				8.828		6.242×10^{-1}	
14.0 MeV	5.616×10^1	6.876				6.876		1.143×10^0	
20.0 MeV	6.802×10^1	5.362				5.362		2.143×10^0	
30.0 MeV	8.509×10^1	4.154				4.154		4.291×10^0	
40.0 MeV	1.003×10^2	3.543				3.543		6.915×10^0	
80.0 MeV	1.527×10^2	2.654				2.654		2.038×10^1	
100. MeV	1.764×10^2	2.491				2.491		2.817×10^1	
140. MeV	2.218×10^2	2.317				2.317		4.491×10^1	
200. MeV	2.868×10^2	2.216				2.216		7.149×10^1	
300. MeV	3.917×10^2	2.175			0.000	2.175		1.172×10^2	
328. MeV	4.211×10^2	2.174			0.000	2.174		<i>Minimum ionization</i>	
400. MeV	4.945×10^2	2.179			0.000	2.179		1.631×10^2	
800. MeV	8.995×10^2	2.255	0.000		0.000	2.255		3.436×10^2	
1.00 GeV	1.101×10^3	2.290	0.000		0.000	2.291		4.316×10^2	
1.40 GeV	1.502×10^3	2.348	0.000		0.001	2.349		6.039×10^2	
2.00 GeV	2.103×10^3	2.412	0.000	0.000	0.001	2.413		8.558×10^2	
3.00 GeV	3.104×10^3	2.484	0.001	0.000	0.001	2.487		1.264×10^3	
4.00 GeV	4.104×10^3	2.535	0.001	0.001	0.002	2.539		1.661×10^3	
8.00 GeV	8.105×10^3	2.651	0.003	0.003	0.004	2.660		3.196×10^3	
10.0 GeV	1.011×10^4	2.686	0.004	0.004	0.005	2.699		3.942×10^3	
14.0 GeV	1.411×10^4	2.738	0.006	0.006	0.007	2.756		5.408×10^3	
20.0 GeV	2.011×10^4	2.790	0.009	0.010	0.009	2.818		7.559×10^3	
30.0 GeV	3.011×10^4	2.846	0.014	0.018	0.014	2.892		1.106×10^4	
40.0 GeV	4.011×10^4	2.885	0.020	0.026	0.018	2.950		1.448×10^4	
80.0 GeV	8.011×10^4	2.974	0.047	0.063	0.035	3.119		2.765×10^4	
100. GeV	1.001×10^5	3.002	0.061	0.083	0.043	3.189		3.399×10^4	
140. GeV	1.401×10^5	3.043	0.090	0.125	0.060	3.318		4.628×10^4	
200. GeV	2.001×10^5	3.087	0.135	0.191	0.085	3.499		6.388×10^4	
300. GeV	3.001×10^5	3.136	0.214	0.305	0.128	3.782		9.136×10^4	
400. GeV	4.001×10^5	3.170	0.296	0.423	0.170	4.060		1.169×10^5	
800. GeV	8.001×10^5	3.255	0.639	0.917	0.343	5.154		2.041×10^5	
1.00 TeV	1.000×10^6	3.282	0.816	1.173	0.431	5.703		2.410×10^5	
1.34 TeV	1.344×10^6	3.319	1.122	1.610	0.586	6.638		<i>Muon critical energy</i>	
1.40 TeV	1.400×10^6	3.324	1.173	1.683	0.612	6.792		3.052×10^5	
2.00 TeV	2.000×10^6	3.369	1.723	2.465	0.886	8.443		3.843×10^5	
3.00 TeV	3.000×10^6	3.421	2.646	3.768	1.358	11.193		4.868×10^5	
4.00 TeV	4.000×10^6	3.458	3.586	5.091	1.838	13.973		5.666×10^5	
8.00 TeV	8.000×10^6	3.549	7.398	10.421	3.839	25.208		7.768×10^5	
10.0 TeV	1.000×10^7	3.580	9.329	13.106	4.871	30.885		8.484×10^5	
14.0 TeV	1.400×10^7	3.625	13.183	18.456	6.997	42.261		9.586×10^5	
20.0 TeV	2.000×10^7	3.675	19.017	26.527	10.266	59.486		1.078×10^6	
30.0 TeV	3.000×10^7	3.732	28.736	39.953	15.944	88.366		1.215×10^6	
40.0 TeV	4.000×10^7	3.773	38.512	53.425	21.774	117.486		1.313×10^6	
80.0 TeV	8.000×10^7	3.875	77.713	107.361	46.269	235.219		1.549×10^6	
100. TeV	1.000×10^8	3.909	97.367	134.363	58.976	294.615		1.625×10^6	