Table 214: Muons in n-pentane (C_5H_{12})

$\langle Z/A \rangle$	ρ [g/cm^3]	I [eV]	a	$k = m_s$	x_0	x_1	$\overline{C}$	δ_0
0.58212	0.626	53.6	0.10809	3.5265	0.2086	2.5855	3.2504	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	8.716				8.716	6.322×10^{-1}
14.0 MeV	5.616×10^1	6.788				6.788	1.158×10^0
20.0 MeV	6.802×10^1	5.293				5.293	2.170×10^0
30.0 MeV	8.509×10^1	4.100				4.100	4.347×10^0
40.0 MeV	1.003×10^2	3.498				3.498	7.005×10^0
80.0 MeV	1.527×10^2	2.620				2.620	2.064×10^1
100. MeV	1.764×10^2	2.460				2.460	2.854×10^1
140. MeV	2.218×10^2	2.289				2.289	4.548×10^1
200. MeV	2.868×10^2	2.189				2.189	7.239×10^1
300. MeV	3.917×10^2	2.149			0.000	2.149	1.186×10^2
328. MeV	4.211×10^2	2.148			0.000	2.148	*Minimum ionization*
400. MeV	4.945×10^2	2.153			0.000	2.153	1.652×10^2
800. MeV	8.995×10^2	2.228	0.000		0.000	2.229	3.478×10^2
1.00 GeV	1.101×10^3	2.263	0.000		0.000	2.264	4.369×10^2
1.40 GeV	1.502×10^3	2.320	0.000		0.001	2.321	6.113×10^2
2.00 GeV	2.103×10^3	2.383	0.000	0.000	0.001	2.385	8.661×10^2
3.00 GeV	3.104×10^3	2.455	0.001	0.000	0.001	2.457	1.279×10^3
4.00 GeV	4.104×10^3	2.504	0.001	0.001	0.002	2.508	1.681×10^3
8.00 GeV	8.105×10^3	2.619	0.003	0.003	0.004	2.628	3.235×10^3
10.0 GeV	1.011×10^4	2.654	0.004	0.004	0.005	2.666	3.990×10^3
14.0 GeV	1.411×10^4	2.705	0.006	0.006	0.007	2.723	5.473×10^3
20.0 GeV	2.011×10^4	2.756	0.009	0.010	0.009	2.784	7.651×10^3
30.0 GeV	3.011×10^4	2.812	0.014	0.017	0.014	2.858	1.119×10^4
40.0 GeV	4.011×10^4	2.850	0.020	0.026	0.018	2.914	1.466×10^4
80.0 GeV	8.011×10^4	2.938	0.047	0.063	0.035	3.082	2.798×10^4
100. GeV	1.001×10^5	2.965	0.061	0.083	0.043	3.152	3.440×10^4
140. GeV	1.401×10^5	3.006	0.090	0.124	0.060	3.280	4.683×10^4
200. GeV	2.001×10^5	3.049	0.135	0.191	0.085	3.460	6.463×10^4
300. GeV	3.001×10^5	3.097	0.214	0.304	0.128	3.743	9.241×10^4
400. GeV	4.001×10^5	3.131	0.296	0.422	0.170	4.020	1.182×10^5
800. GeV	8.001×10^5	3.215	0.638	0.916	0.343	5.112	2.062×10^5
1.00 TeV	1.000×10^6	3.242	0.814	1.171	0.431	5.659	2.434×10^5
1.33 TeV	1.329×10^6	3.277	1.107	1.589	0.580	6.553	*Muon critical energy*
1.40 TeV	1.400×10^6	3.283	1.171	1.680	0.612	6.747	3.080×10^5
2.00 TeV	2.000×10^6	3.327	1.720	2.462	0.886	8.396	3.876×10^5
3.00 TeV	3.000×10^6	3.378	2.642	3.762	1.359	11.141	4.907×10^5
4.00 TeV	4.000×10^6	3.415	3.581	5.083	1.839	13.918	5.708×10^5
8.00 TeV	8.000×10^6	3.505	7.388	10.405	3.841	25.139	7.817×10^5
10.0 TeV	1.000×10^7	3.535	9.316	13.086	4.873	30.811	8.534×10^5
14.0 TeV	1.400×10^7	3.580	13.165	18.428	7.000	42.174	9.640×10^5
20.0 TeV	2.000×10^7	3.629	18.993	26.487	10.270	59.380	1.083×10^6
30.0 TeV	3.000×10^7	3.686	28.699	39.893	15.951	88.230	1.221×10^6
40.0 TeV	4.000×10^7	3.726	38.464	53.345	21.784	117.320	1.319×10^6
80.0 TeV	8.000×10^7	3.827	77.618	107.201	46.292	234.937	1.555×10^6
100. TeV	1.000×10^8	3.860	97.249	134.162	59.006	294.276	1.631×10^6