Table 243: Muons in Rubber natural $(C_5H8)_n$

$\langle Z/A\rangle$	ρ [g/cm^3]	I [eV]	a	$k = m_s$	x_0	x_1	$\overline{C}$	δ_0
0.55785	0.920	59.8	0.15058	3.2879	0.1512	2.4815	3.1272	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	8.239				8.239	6.694×10^{-1}
14.0 MeV	5.616×10^1	6.420				6.420	1.225×10^0
20.0 MeV	6.802×10^1	5.009				5.009	2.296×10^0
30.0 MeV	8.509×10^1	3.882				3.882	4.596×10^0
40.0 MeV	1.003×10^2	3.312				3.312	7.403×10^0
80.0 MeV	1.527×10^2	2.481				2.481	2.180×10^1
100. MeV	1.764×10^2	2.323				2.323	3.015×10^1
140. MeV	2.218×10^2	2.161				2.161	4.809×10^1
200. MeV	2.868×10^2	2.067				2.067	7.659×10^1
300. MeV	3.917×10^2	2.029			0.000	2.029	1.256×10^2
324. MeV	4.161×10^2	2.028			0.000	2.028	*Minimum ionization*
400. MeV	4.945×10^2	2.033			0.000	2.034	1.748×10^2
800. MeV	8.995×10^2	2.106	0.000		0.000	2.106	3.682×10^2
1.00 GeV	1.101×10^3	2.139	0.000		0.000	2.140	4.624×10^2
1.40 GeV	1.502×10^3	2.194	0.000		0.001	2.195	6.469×10^2
2.00 GeV	2.103×10^3	2.254	0.000	0.000	0.001	2.256	9.163×10^2
3.00 GeV	3.104×10^3	2.323	0.001	0.000	0.001	2.326	1.352×10^3
4.00 GeV	4.104×10^3	2.371	0.001	0.001	0.002	2.375	1.778×10^3
8.00 GeV	8.105×10^3	2.481	0.003	0.003	0.004	2.490	3.417×10^3
10.0 GeV	1.011×10^4	2.514	0.004	0.004	0.005	2.527	4.215×10^3
14.0 GeV	1.411×10^4	2.563	0.006	0.006	0.007	2.581	5.780×10^3
20.0 GeV	2.011×10^4	2.612	0.009	0.010	0.009	2.641	8.076×10^3
30.0 GeV	3.011×10^4	2.665	0.015	0.018	0.014	2.712	1.181×10^4
40.0 GeV	4.011×10^4	2.702	0.021	0.026	0.018	2.767	1.546×10^4
80.0 GeV	8.011×10^4	2.786	0.048	0.064	0.035	2.933	2.948×10^4
100. GeV	1.001×10^5	2.812	0.062	0.085	0.043	3.002	3.621×10^4
140. GeV	1.401×10^5	2.851	0.092	0.127	0.060	3.130	4.926×10^4
200. GeV	2.001×10^5	2.892	0.138	0.195	0.085	3.311	6.789×10^4
300. GeV	3.001×10^5	2.939	0.219	0.311	0.127	3.595	9.686×10^4
400. GeV	4.001×10^5	2.971	0.302	0.431	0.169	3.874	1.236×10^5
800. GeV	8.001×10^5	3.051	0.650	0.935	0.342	4.978	2.145×10^5
1.00 TeV	1.000×10^6	3.077	0.830	1.196	0.429	5.533	2.526×10^5
1.24 TeV	1.245×10^6	3.103	1.052	1.512	0.539	6.206	*Muon critical energy*
1.40 TeV	1.400×10^6	3.117	1.194	1.715	0.609	6.634	3.185×10^5
2.00 TeV	2.000×10^6	3.159	1.752	2.511	0.882	8.305	3.992×10^5
3.00 TeV	3.000×10^6	3.208	2.690	3.837	1.352	11.087	5.031×10^5
4.00 TeV	4.000×10^6	3.243	3.645	5.183	1.830	13.901	5.835×10^5
8.00 TeV	8.000×10^6	3.330	7.515	10.605	3.821	25.272	7.938×10^5
10.0 TeV	1.000×10^7	3.358	9.475	13.338	4.847	31.018	8.651×10^5
14.0 TeV	1.400×10^7	3.402	13.385	18.780	6.962	42.530	9.748×10^5
20.0 TeV	2.000×10^7	3.448	19.304	26.992	10.213	59.958	1.093×10^6
30.0 TeV	3.000×10^7	3.503	29.162	40.653	15.860	89.177	1.229×10^6
40.0 TeV	4.000×10^7	3.542	39.077	54.359	21.657	118.635	1.326×10^6
80.0 TeV	8.000×10^7	3.638	78.823	109.235	46.005	237.701	1.560×10^6
100. TeV	1.000×10^8	3.669	98.748	136.706	58.634	297.758	1.635×10^6