Table 136: Muons in Cellulose $(C_6H_{10}O_5)_n$

$\langle Z/A \rangle$	ρ [g/cm^3]	I [eV]	a	$k = m_s$	x_0	x_1	$\overline{C}$	δ_0
0.53040	1.420	77.6	0.11151	3.3810	0.1580	2.6778	3.2647	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	7.577				7.577	7.296×10^{-1}
14.0 MeV	5.616×10^1	5.911				5.911	1.334×10^0
20.0 MeV	6.802×10^1	4.617				4.617	2.495×10^0
30.0 MeV	8.509×10^1	3.583				3.583	4.988×10^0
40.0 MeV	1.003×10^2	3.060				3.060	8.028×10^0
80.0 MeV	1.527×10^2	2.297				2.297	2.360×10^1
100. MeV	1.764×10^2	2.152				2.152	3.261×10^1
140. MeV	2.218×10^2	2.003				2.004	5.197×10^1
200. MeV	2.868×10^2	1.918				1.918	8.270×10^1
300. MeV	3.917×10^2	1.885			0.000	1.885	1.354×10^2
318. MeV	4.105×10^2	1.885			0.000	1.885	*Minimum ionization*
400. MeV	4.945×10^2	1.891			0.000	1.891	1.884×10^2
800. MeV	8.995×10^2	1.962	0.000		0.000	1.963	3.961×10^2
1.00 GeV	1.101×10^3	1.995	0.000		0.000	1.996	4.972×10^2
1.40 GeV	1.502×10^3	2.048	0.000		0.001	2.049	6.949×10^2
2.00 GeV	2.103×10^3	2.106	0.001	0.000	0.001	2.108	9.833×10^2
3.00 GeV	3.104×10^3	2.173	0.001	0.001	0.001	2.176	1.450×10^3
4.00 GeV	4.104×10^3	2.219	0.001	0.001	0.002	2.224	1.904×10^3
8.00 GeV	8.105×10^3	2.326	0.003	0.003	0.004	2.336	3.654×10^3
10.0 GeV	1.011×10^4	2.358	0.004	0.004	0.005	2.372	4.503×10^3
14.0 GeV	1.411×10^4	2.405	0.007	0.007	0.007	2.425	6.170×10^3
20.0 GeV	2.011×10^4	2.452	0.011	0.012	0.009	2.484	8.613×10^3
30.0 GeV	3.011×10^4	2.503	0.017	0.021	0.013	2.555	1.258×10^4
40.0 GeV	4.011×10^4	2.538	0.025	0.031	0.018	2.611	1.645×10^4
80.0 GeV	8.011×10^4	2.618	0.056	0.075	0.034	2.783	3.126×10^4
100. GeV	1.001×10^5	2.643	0.073	0.099	0.042	2.857	3.835×10^4
140. GeV	1.401×10^5	2.680	0.107	0.149	0.059	2.995	5.202×10^4
200. GeV	2.001×10^5	2.719	0.161	0.228	0.084	3.192	7.142×10^4
300. GeV	3.001×10^5	2.763	0.255	0.363	0.125	3.505	1.013×10^5
400. GeV	4.001×10^5	2.794	0.351	0.503	0.167	3.815	1.286×10^5
800. GeV	8.001×10^5	2.870	0.755	1.086	0.337	5.048	2.195×10^5
1.00 TeV	1.000×10^6	2.895	0.963	1.388	0.424	5.670	2.568×10^5
1.04 TeV	1.042×10^6	2.899	1.007	1.450	0.442	5.799	*Muon critical energy*
1.40 TeV	1.400×10^6	2.932	1.383	1.988	0.601	6.905	3.207×10^5
2.00 TeV	2.000×10^6	2.972	2.028	2.909	0.870	8.780	3.976×10^5
3.00 TeV	3.000×10^6	3.019	3.109	4.441	1.334	11.903	4.950×10^5
4.00 TeV	4.000×10^6	3.052	4.209	5.994	1.805	15.061	5.696×10^5
8.00 TeV	8.000×10^6	3.135	8.664	12.253	3.768	27.819	7.620×10^5
10.0 TeV	1.000×10^7	3.162	10.917	15.405	4.779	34.262	8.267×10^5
14.0 TeV	1.400×10^7	3.203	15.413	21.685	6.862	47.163	9.258×10^5
20.0 TeV	2.000×10^7	3.248	22.214	31.158	10.062	66.682	1.032×10^6
30.0 TeV	3.000×10^7	3.299	33.539	46.920	15.618	99.376	1.154×10^6
40.0 TeV	4.000×10^7	3.336	44.924	62.734	21.320	132.314	1.241×10^6
80.0 TeV	8.000×10^7	3.428	90.574	126.040	45.251	265.293	1.451×10^6
100. TeV	1.000×10^8	3.458	113.459	157.731	57.657	332.305	1.518×10^6