Table 172: Muons in Glucose Dextrose C_6H12-O6.H2-O

$\langle Z/A \rangle$	ρ [g/cm^3]	I [eV]	a	$k = m_s$	x_0	x_1	$\overline{C}$	δ_0
0.53499	1.540	77.2	0.10783	3.3946	0.1411	2.6700	3.1649	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	7.648				7.648	7.228×10^{-1}
14.0 MeV	5.616×10^1	5.966				5.966	1.321×10^0
20.0 MeV	6.802×10^1	4.660				4.660	2.472×10^0
30.0 MeV	8.509×10^1	3.616				3.616	4.942×10^0
40.0 MeV	1.003×10^2	3.088				3.088	7.955×10^0
80.0 MeV	1.527×10^2	2.316				2.316	2.338×10^1
100. MeV	1.764×10^2	2.169				2.169	3.233×10^1
140. MeV	2.218×10^2	2.018				2.019	5.154×10^1
200. MeV	2.868×10^2	1.932				1.932	8.204×10^1
300. MeV	3.917×10^2	1.898			0.000	1.898	1.344×10^2
318. MeV	4.105×10^2	1.897			0.000	1.898	*Minimum ionization*
400. MeV	4.945×10^2	1.903			0.000	1.904	1.871×10^2
800. MeV	8.995×10^2	1.974	0.000		0.000	1.975	3.935×10^2
1.00 GeV	1.101×10^3	2.007	0.000		0.000	2.008	4.939×10^2
1.40 GeV	1.502×10^3	2.060	0.000		0.001	2.061	6.904×10^2
2.00 GeV	2.103×10^3	2.119	0.001	0.000	0.001	2.120	9.772×10^2
3.00 GeV	3.104×10^3	2.185	0.001	0.001	0.001	2.188	1.441×10^3
4.00 GeV	4.104×10^3	2.232	0.001	0.001	0.002	2.236	1.893×10^3
8.00 GeV	8.105×10^3	2.339	0.003	0.003	0.004	2.349	3.632×10^3
10.0 GeV	1.011×10^4	2.371	0.005	0.004	0.005	2.385	4.477×10^3
14.0 GeV	1.411×10^4	2.418	0.007	0.007	0.007	2.439	6.135×10^3
20.0 GeV	2.011×10^4	2.466	0.011	0.012	0.009	2.498	8.564×10^3
30.0 GeV	3.011×10^4	2.517	0.018	0.021	0.013	2.570	1.251×10^4
40.0 GeV	4.011×10^4	2.552	0.025	0.031	0.018	2.627	1.635×10^4
80.0 GeV	8.011×10^4	2.633	0.057	0.076	0.034	2.801	3.108×10^4
100. GeV	1.001×10^5	2.658	0.074	0.101	0.042	2.875	3.812×10^4
140. GeV	1.401×10^5	2.696	0.109	0.151	0.059	3.015	5.171×10^4
200. GeV	2.001×10^5	2.735	0.164	0.231	0.084	3.214	7.098×10^4
300. GeV	3.001×10^5	2.779	0.258	0.368	0.125	3.531	1.006×10^5
400. GeV	4.001×10^5	2.811	0.356	0.510	0.167	3.844	1.278×10^5
800. GeV	8.001×10^5	2.887	0.765	1.102	0.337	5.092	2.179×10^5
1.00 TeV	1.000×10^6	2.912	0.977	1.408	0.424	5.721	2.549×10^5
1.04 TeV	1.036×10^6	2.916	1.015	1.462	0.440	5.833	*Muon critical energy*
1.40 TeV	1.400×10^6	2.950	1.402	2.016	0.601	6.970	3.182×10^5
2.00 TeV	2.000×10^6	2.991	2.057	2.949	0.870	8.867	3.943×10^5
3.00 TeV	3.000×10^6	3.038	3.153	4.503	1.333	12.027	4.908×10^5
4.00 TeV	4.000×10^6	3.072	4.269	6.078	1.805	15.223	5.646×10^5
8.00 TeV	8.000×10^6	3.155	8.786	12.422	3.767	28.130	7.549×10^5
10.0 TeV	1.000×10^7	3.182	11.071	15.618	4.778	34.649	8.189×10^5
14.0 TeV	1.400×10^7	3.223	15.631	21.984	6.860	47.699	9.169×10^5
20.0 TeV	2.000×10^7	3.268	22.528	31.588	10.060	67.445	1.022×10^6
30.0 TeV	3.000×10^7	3.320	34.014	47.567	15.615	100.516	1.143×10^6
40.0 TeV	4.000×10^7	3.358	45.560	63.597	21.316	133.831	1.229×10^6
80.0 TeV	8.000×10^7	3.450	91.862	127.774	45.242	268.328	1.436×10^6
100. TeV	1.000×10^8	3.480	115.075	159.900	57.645	336.100	1.502×10^6