Table 174: Muons in Glycerol ($C_3H_5(OH)_3$)

$\langle Z/A \rangle$	ρ [g/cm^3]	I [eV]	a	$k = m_s$	x_0	x_1	$\overline{C}$	δ_0
0.54292	1.261	72.6	0.10168	3.4481	0.1653	2.6862	3.2267	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	7.823				7.823	7.062×10^{-1}
14.0 MeV	5.616×10^1	6.101				6.101	1.291×10^0
20.0 MeV	6.802×10^1	4.764				4.764	2.417×10^0
30.0 MeV	8.509×10^1	3.695				3.696	4.834×10^0
40.0 MeV	1.003×10^2	3.155				3.155	7.781×10^0
80.0 MeV	1.527×10^2	2.368				2.368	2.288×10^1
100. MeV	1.764×10^2	2.219				2.219	3.163×10^1
140. MeV	2.218×10^2	2.065				2.065	5.040×10^1
200. MeV	2.868×10^2	1.976				1.976	8.022×10^1
300. MeV	3.917×10^2	1.942			0.000	1.942	1.314×10^2
318. MeV	4.105×10^2	1.941			0.000	1.941	*Minimum ionization*
400. MeV	4.945×10^2	1.947			0.000	1.947	1.829×10^2
800. MeV	8.995×10^2	2.019	0.000		0.000	2.019	3.847×10^2
1.00 GeV	1.101×10^3	2.052	0.000		0.000	2.053	4.829×10^2
1.40 GeV	1.502×10^3	2.106	0.000		0.001	2.107	6.751×10^2
2.00 GeV	2.103×10^3	2.165	0.001	0.000	0.001	2.167	9.557×10^2
3.00 GeV	3.104×10^3	2.233	0.001	0.001	0.001	2.236	1.409×10^3
4.00 GeV	4.104×10^3	2.280	0.001	0.001	0.002	2.285	1.852×10^3
8.00 GeV	8.105×10^3	2.389	0.003	0.003	0.004	2.399	3.555×10^3
10.0 GeV	1.011×10^4	2.422	0.004	0.004	0.005	2.435	4.382×10^3
14.0 GeV	1.411×10^4	2.469	0.007	0.007	0.007	2.490	6.005×10^3
20.0 GeV	2.011×10^4	2.518	0.011	0.012	0.009	2.550	8.385×10^3
30.0 GeV	3.011×10^4	2.570	0.017	0.021	0.014	2.622	1.225×10^4
40.0 GeV	4.011×10^4	2.606	0.024	0.031	0.018	2.679	1.602×10^4
80.0 GeV	8.011×10^4	2.688	0.056	0.075	0.034	2.853	3.047×10^4
100. GeV	1.001×10^5	2.713	0.072	0.099	0.043	2.927	3.739×10^4
140. GeV	1.401×10^5	2.751	0.107	0.149	0.059	3.066	5.073×10^4
200. GeV	2.001×10^5	2.791	0.161	0.228	0.084	3.263	6.970×10^4
300. GeV	3.001×10^5	2.836	0.254	0.362	0.126	3.577	9.895×10^4
400. GeV	4.001×10^5	2.868	0.351	0.501	0.167	3.888	1.258×10^5
800. GeV	8.001×10^5	2.946	0.753	1.084	0.338	5.121	2.151×10^5
1.00 TeV	1.000×10^6	2.971	0.961	1.385	0.425	5.742	2.520×10^5
1.07 TeV	1.070×10^6	2.979	1.034	1.489	0.456	5.957	*Muon critical energy*
1.40 TeV	1.400×10^6	3.009	1.380	1.984	0.602	6.976	3.151×10^5
2.00 TeV	2.000×10^6	3.051	2.025	2.903	0.872	8.850	3.913×10^5
3.00 TeV	3.000×10^6	3.098	3.105	4.432	1.337	11.971	4.881×10^5
4.00 TeV	4.000×10^6	3.132	4.204	5.982	1.809	15.128	5.623×10^5
8.00 TeV	8.000×10^6	3.217	8.655	12.229	3.776	27.877	7.541×10^5
10.0 TeV	1.000×10^7	3.244	10.906	15.375	4.790	34.316	8.187×10^5
14.0 TeV	1.400×10^7	3.287	15.400	21.644	6.878	47.209	9.177×10^5
20.0 TeV	2.000×10^7	3.332	22.198	31.100	10.087	66.717	1.024×10^6
30.0 TeV	3.000×10^7	3.385	33.517	46.833	15.657	99.393	1.146×10^6
40.0 TeV	4.000×10^7	3.423	44.898	62.618	21.375	132.314	1.233×10^6
80.0 TeV	8.000×10^7	3.516	90.537	125.808	45.375	265.237	1.442×10^6
100. TeV	1.000×10^8	3.547	113.419	157.441	57.817	332.225	1.510×10^6