Table 188: Muons in Lithium oxide Li_2O

$\langle Z/A \rangle$	ρ [g/cm^3]	I [eV]	a	$k = m_s$	x_0	x_1	$\overline{C}$	δ_0
0.46952	2.013	73.6	0.08035	3.7878	−0.0511	2.5874	2.9340	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	6.753				6.753	8.182×10^{-1}
14.0 MeV	5.616×10^1	5.268				5.268	1.496×10^0
20.0 MeV	6.802×10^1	4.113				4.113	2.800×10^0
30.0 MeV	8.509×10^1	3.191				3.191	5.599×10^0
40.0 MeV	1.003×10^2	2.724				2.724	9.013×10^0
80.0 MeV	1.527×10^2	2.033				2.033	2.655×10^1
100. MeV	1.764×10^2	1.905				1.906	3.674×10^1
140. MeV	2.218×10^2	1.775				1.775	5.859×10^1
200. MeV	2.868×10^2	1.700				1.700	9.327×10^1
300. MeV	3.917×10^2	1.670			0.000	1.670	1.528×10^2
325. MeV	4.171×10^2	1.669			0.000	1.670	*Minimum ionization*
400. MeV	4.945×10^2	1.674			0.000	1.675	2.126×10^2
800. MeV	8.995×10^2	1.735	0.000		0.000	1.735	4.474×10^2
1.00 GeV	1.101×10^3	1.762	0.000		0.000	1.763	5.617×10^2
1.40 GeV	1.502×10^3	1.807	0.000		0.001	1.808	7.856×10^2
2.00 GeV	2.103×10^3	1.857	0.000	0.000	0.001	1.859	1.113×10^3
3.00 GeV	3.104×10^3	1.914	0.001	0.000	0.001	1.917	1.642×10^3
4.00 GeV	4.104×10^3	1.953	0.001	0.001	0.002	1.957	2.158×10^3
8.00 GeV	8.105×10^3	2.045	0.003	0.003	0.004	2.054	4.147×10^3
10.0 GeV	1.011×10^4	2.072	0.004	0.004	0.005	2.085	5.113×10^3
14.0 GeV	1.411×10^4	2.113	0.006	0.006	0.007	2.131	7.010×10^3
20.0 GeV	2.011×10^4	2.155	0.009	0.010	0.009	2.182	9.790×10^3
30.0 GeV	3.011×10^4	2.200	0.014	0.017	0.014	2.245	1.430×10^4
40.0 GeV	4.011×10^4	2.230	0.020	0.026	0.018	2.294	1.871×10^4
80.0 GeV	8.011×10^4	2.301	0.046	0.062	0.034	2.444	3.557×10^4
100. GeV	1.001×10^5	2.323	0.060	0.082	0.043	2.508	4.365×10^4
140. GeV	1.401×10^5	2.356	0.088	0.123	0.059	2.627	5.923×10^4
200. GeV	2.001×10^5	2.390	0.133	0.188	0.084	2.796	8.136×10^4
300. GeV	3.001×10^5	2.429	0.210	0.300	0.126	3.065	1.155×10^5
400. GeV	4.001×10^5	2.457	0.290	0.416	0.168	3.330	1.468×10^5
800. GeV	8.001×10^5	2.524	0.623	0.899	0.339	4.385	2.511×10^5
1.00 TeV	1.000×10^6	2.546	0.795	1.149	0.426	4.917	2.942×10^5
1.07 TeV	1.072×10^6	2.553	0.857	1.238	0.458	5.106	*Muon critical energy*
1.40 TeV	1.400×10^6	2.579	1.142	1.647	0.604	5.973	3.679×10^5
2.00 TeV	2.000×10^6	2.615	1.675	2.410	0.875	7.576	4.569×10^5
3.00 TeV	3.000×10^6	2.656	2.569	3.682	1.341	10.248	5.700×10^5
4.00 TeV	4.000×10^6	2.686	3.478	4.972	1.815	12.952	6.566×10^5
8.00 TeV	8.000×10^6	2.759	7.161	10.170	3.790	23.880	8.807×10^5
10.0 TeV	1.000×10^7	2.783	9.024	12.789	4.807	29.403	9.560×10^5
14.0 TeV	1.400×10^7	2.819	12.741	18.006	6.904	40.470	1.072×10^6
20.0 TeV	2.000×10^7	2.859	18.364	25.877	10.125	57.224	1.196×10^6
30.0 TeV	3.000×10^7	2.904	27.725	38.970	15.719	85.319	1.338×10^6
40.0 TeV	4.000×10^7	2.937	37.137	52.108	21.461	113.643	1.439×10^6
80.0 TeV	8.000×10^7	3.018	74.879	104.704	45.566	228.168	1.683×10^6
100. TeV	1.000×10^8	3.045	93.801	131.035	58.065	285.946	1.761×10^6