Muons in lead glass

$\langle Z/A \rangle$	ρ [g/cm^3]	I [eV]	a	$k = m_s$	x_0	x_1	$\overline{C}$	δ_0
0.42101	6.220	526.4	0.09544	3.0740	0.0614	3.8146	5.8476	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	4.518				4.518	1.254×10^0
14.0 MeV	5.616×10^1	3.569				3.569	2.260×10^0
20.0 MeV	6.802×10^1	2.820				2.820	4.172×10^0
30.0 MeV	8.509×10^1	2.215				2.215	8.226×10^0
40.0 MeV	1.003×10^2	1.906				1.906	1.312×10^1
80.0 MeV	1.527×10^2	1.456				1.456	3.785×10^1
100. MeV	1.764×10^2	1.376				1.376	5.202×10^1
140. MeV	2.218×10^2	1.298				1.298	8.208×10^1
200. MeV	2.868×10^2	1.260				1.261	1.291×10^2
247. MeV	3.366×10^2	1.255	0.000			1.256	*Minimum ionization*
300. MeV	3.917×10^2	1.259	0.000		0.000	1.260	2.087×10^2
400. MeV	4.945×10^2	1.278	0.000		0.000	1.278	2.875×10^2
800. MeV	8.995×10^2	1.362	0.001		0.000	1.363	5.902×10^2
1.00 GeV	1.101×10^3	1.395	0.001		0.000	1.397	7.350×10^2
1.40 GeV	1.502×10^3	1.449	0.002		0.001	1.452	1.016×10^3
2.00 GeV	2.103×10^3	1.507	0.003	0.001	0.001	1.512	1.420×10^3
3.00 GeV	3.104×10^3	1.573	0.006	0.003	0.001	1.583	2.065×10^3
4.00 GeV	4.104×10^3	1.618	0.008	0.005	0.002	1.634	2.687×10^3
8.00 GeV	8.105×10^3	1.722	0.020	0.018	0.003	1.764	5.034×10^3
10.0 GeV	1.011×10^4	1.753	0.027	0.025	0.004	1.810	6.153×10^3
14.0 GeV	1.411×10^4	1.798	0.041	0.041	0.006	1.886	8.317×10^3
20.0 GeV	2.011×10^4	1.843	0.063	0.068	0.008	1.982	1.142×10^4
30.0 GeV	3.011×10^4	1.890	0.104	0.119	0.011	2.125	1.629×10^4
40.0 GeV	4.011×10^4	1.922	0.146	0.175	0.015	2.259	2.085×10^4
80.0 GeV	8.011×10^4	1.992	0.331	0.424	0.029	2.778	3.678×10^4
100. GeV	1.001×10^5	2.014	0.429	0.558	0.036	3.038	4.366×10^4
140. GeV	1.401×10^5	2.045	0.630	0.835	0.050	3.561	5.582×10^4
183. GeV	1.834×10^5	2.069	0.855	1.148	0.066	4.139	*Muon critical energy*
200. GeV	2.001×10^5	2.077	0.944	1.273	0.071	4.366	7.101×10^4
300. GeV	3.001×10^5	2.112	1.481	2.005	0.107	5.706	9.100×10^4
400. GeV	4.001×10^5	2.137	2.035	2.763	0.143	7.080	1.067×10^5
800. GeV	8.001×10^5	2.197	4.323	5.876	0.289	12.686	1.484×10^5
1.00 TeV	1.000×10^6	2.217	5.498	7.468	0.363	15.547	1.626×10^5
1.40 TeV	1.400×10^6	2.247	7.852	10.643	0.514	21.257	1.845×10^5
2.00 TeV	2.000×10^6	2.279	11.451	15.489	0.743	29.964	2.082×10^5
3.00 TeV	3.000×10^6	2.316	17.457	23.542	1.137	44.453	2.354×10^5
4.00 TeV	4.000×10^6	2.342	23.542	31.680	1.536	59.103	2.549×10^5
8.00 TeV	8.000×10^6	2.408	48.067	64.393	3.194	118.063	3.018×10^5
10.0 TeV	1.000×10^7	2.429	60.423	80.835	4.045	147.733	3.169×10^5
14.0 TeV	1.400×10^7	2.462	85.066	113.643	5.793	206.965	3.397×10^5
20.0 TeV	2.000×10^7	2.497	122.241	163.063	8.472	296.276	3.638×10^5
30.0 TeV	3.000×10^7	2.538	184.128	245.288	13.104	445.059	3.911×10^5
40.0 TeV	4.000×10^7	2.567	246.230	327.705	17.845	594.349	4.105×10^5
80.0 TeV	8.000×10^7	2.640	494.978	657.607	37.658	1192.885	4.571×10^5
100. TeV	1.000×10^8	2.664	619.549	822.710	47.896	1492.821	4.720×10^5