Muons in Mt Blanc rock

$\langle Z/A \rangle$	ρ [g/cm^3]	I [eV]	a	$k = m_s$	x_0	x_1	$\overline{C}$	δ_0
0.48003	2.600	159.2	0.14923	3.0000	0.2000	3.0000	4.1969	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	6.217				6.217	8.959×10^{-1}
14.0 MeV	5.616×10^1	4.869				4.869	1.630×10^0
20.0 MeV	6.802×10^1	3.817				3.817	3.038×10^0
30.0 MeV	8.509×10^1	2.973				2.973	6.047×10^0
40.0 MeV	1.003×10^2	2.545				2.546	9.705×10^0
80.0 MeV	1.527×10^2	1.923				1.923	2.835×10^1
100. MeV	1.764×10^2	1.810				1.810	3.910×10^1
140. MeV	2.218×10^2	1.691				1.691	6.207×10^1
200. MeV	2.868×10^2	1.626				1.626	9.839×10^1
288. MeV	3.788×10^2	1.606			0.000	1.607	*Minimum ionization*
300. MeV	3.917×10^2	1.607			0.000	1.607	1.604×10^2
400. MeV	4.945×10^2	1.618			0.000	1.618	2.225×10^2
800. MeV	8.995×10^2	1.694	0.000		0.000	1.695	4.640×10^2
1.00 GeV	1.101×10^3	1.727	0.000		0.000	1.728	5.808×10^2
1.40 GeV	1.502×10^3	1.781	0.000	0.000	0.001	1.782	8.086×10^2
2.00 GeV	2.103×10^3	1.839	0.001	0.000	0.001	1.841	1.140×10^3
3.00 GeV	3.104×10^3	1.905	0.001	0.001	0.001	1.909	1.672×10^3
4.00 GeV	4.104×10^3	1.951	0.002	0.002	0.002	1.957	2.189×10^3
8.00 GeV	8.105×10^3	2.056	0.005	0.005	0.004	2.069	4.170×10^3
10.0 GeV	1.011×10^4	2.087	0.006	0.006	0.005	2.105	5.128×10^3
14.0 GeV	1.411×10^4	2.133	0.010	0.011	0.006	2.160	7.003×10^3
20.0 GeV	2.011×10^4	2.178	0.015	0.017	0.009	2.219	9.741×10^3
30.0 GeV	3.011×10^4	2.226	0.025	0.030	0.013	2.294	1.417×10^4
40.0 GeV	4.011×10^4	2.259	0.035	0.044	0.017	2.355	1.847×10^4
80.0 GeV	8.011×10^4	2.332	0.079	0.107	0.033	2.551	3.476×10^4
100. GeV	1.001×10^5	2.355	0.102	0.141	0.041	2.639	4.247×10^4
140. GeV	1.401×10^5	2.388	0.151	0.211	0.057	2.807	5.716×10^4
200. GeV	2.001×10^5	2.423	0.226	0.322	0.081	3.053	7.765×10^4
300. GeV	3.001×10^5	2.463	0.357	0.510	0.121	3.451	1.084×10^5
400. GeV	4.001×10^5	2.491	0.491	0.705	0.162	3.850	1.359×10^5
711. GeV	7.115×10^5	2.548	0.925	1.334	0.290	5.097	*Muon critical energy*
800. GeV	8.001×10^5	2.560	1.051	1.517	0.327	5.455	2.227×10^5
1.00 TeV	1.000×10^6	2.582	1.340	1.935	0.410	6.268	2.569×10^5
1.40 TeV	1.400×10^6	2.616	1.920	2.767	0.582	7.885	3.137×10^5
2.00 TeV	2.000×10^6	2.653	2.811	4.039	0.842	10.345	3.799×10^5
3.00 TeV	3.000×10^6	2.695	4.301	6.156	1.290	14.443	4.614×10^5
4.00 TeV	4.000×10^6	2.725	5.816	8.301	1.745	18.588	5.223×10^5
8.00 TeV	8.000×10^6	2.800	11.940	16.933	3.639	35.313	6.758×10^5
10.0 TeV	1.000×10^7	2.824	15.034	21.278	4.614	43.750	7.266×10^5
14.0 TeV	1.400×10^7	2.862	21.210	29.939	6.619	60.630	8.039×10^5
20.0 TeV	2.000×10^7	2.902	30.546	42.997	9.698	86.144	8.866×10^5
30.0 TeV	3.000×10^7	2.948	46.071	64.729	15.037	128.786	9.809×10^5
40.0 TeV	4.000×10^7	2.982	61.666	86.527	20.513	171.688	1.048×10^6
80.0 TeV	8.000×10^7	3.065	124.204	173.784	43.459	344.512	1.209×10^6
100. TeV	1.000×10^8	3.092	155.553	217.460	55.341	431.446	1.261×10^6