Table 140: Muons in Cesium fluoride (CsF)

$\langle Z/A \rangle$	ρ [g/cm^3]	I [eV]	a	$k = m_s$	x_0	x_1	$\overline{C}$	δ_0
0.42132	4.115	440.7	0.22052	2.7280	0.0084	3.3374	5.9046	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	4.661				4.661	1.212×10^0
14.0 MeV	5.616×10^1	3.676				3.676	2.188×10^0
20.0 MeV	6.802×10^1	2.901				2.901	4.046×10^0
30.0 MeV	8.509×10^1	2.275				2.275	7.991×10^0
40.0 MeV	1.003×10^2	1.956				1.956	1.276×10^1
80.0 MeV	1.527×10^2	1.493				1.493	3.687×10^1
100. MeV	1.764×10^2	1.410				1.410	5.069×10^1
140. MeV	2.218×10^2	1.330				1.330	8.002×10^1
200. MeV	2.868×10^2	1.291				1.292	1.259×10^2
247. MeV	3.366×10^2	1.286				1.286	*Minimum ionization*
300. MeV	3.917×10^2	1.290	0.000		0.000	1.290	2.036×10^2
400. MeV	4.945×10^2	1.308	0.000		0.000	1.309	2.806×10^2
800. MeV	8.995×10^2	1.393	0.001		0.000	1.395	5.763×10^2
1.00 GeV	1.101×10^3	1.428	0.001		0.000	1.429	7.179×10^2
1.40 GeV	1.502×10^3	1.482	0.002	0.000	0.001	1.484	9.923×10^2
2.00 GeV	2.103×10^3	1.541	0.003	0.001	0.001	1.545	1.388×10^3
3.00 GeV	3.104×10^3	1.607	0.005	0.003	0.001	1.616	2.020×10^3
4.00 GeV	4.104×10^3	1.653	0.007	0.005	0.002	1.667	2.629×10^3
8.00 GeV	8.105×10^3	1.757	0.016	0.016	0.003	1.793	4.933×10^3
10.0 GeV	1.011×10^4	1.788	0.022	0.022	0.004	1.837	6.035×10^3
14.0 GeV	1.411×10^4	1.833	0.033	0.036	0.006	1.909	8.169×10^3
20.0 GeV	2.011×10^4	1.877	0.052	0.059	0.008	1.997	1.124×10^4
30.0 GeV	3.011×10^4	1.924	0.085	0.103	0.011	2.124	1.609×10^4
40.0 GeV	4.011×10^4	1.955	0.120	0.151	0.015	2.242	2.067×10^4
80.0 GeV	8.011×10^4	2.024	0.271	0.362	0.029	2.688	3.694×10^4
100. GeV	1.001×10^5	2.044	0.351	0.476	0.037	2.909	4.409×10^4
140. GeV	1.401×10^5	2.075	0.515	0.711	0.051	3.353	5.689×10^4
200. GeV	2.001×10^5	2.106	0.773	1.083	0.072	4.035	7.318×10^4
217. GeV	2.173×10^5	2.113	0.847	1.188	0.078	4.227	*Muon critical energy*
300. GeV	3.001×10^5	2.141	1.212	1.705	0.108	5.167	9.504×10^4
400. GeV	4.001×10^5	2.165	1.666	2.349	0.144	6.326	1.125×10^5
800. GeV	8.001×10^5	2.226	3.541	4.991	0.292	11.051	1.598×10^5
1.00 TeV	1.000×10^6	2.245	4.505	6.343	0.367	13.461	1.761×10^5
1.40 TeV	1.400×10^6	2.275	6.436	9.040	0.520	18.272	2.016×10^5
2.00 TeV	2.000×10^6	2.307	9.391	13.156	0.752	25.607	2.292×10^5
3.00 TeV	3.000×10^6	2.344	14.324	19.996	1.150	37.815	2.611×10^5
4.00 TeV	4.000×10^6	2.371	19.323	26.909	1.554	50.158	2.840×10^5
8.00 TeV	8.000×10^6	2.436	39.480	54.698	3.231	99.847	3.394×10^5
10.0 TeV	1.000×10^7	2.458	49.639	68.668	4.092	124.857	3.573×10^5
14.0 TeV	1.400×10^7	2.490	69.901	96.541	5.860	174.794	3.843×10^5
20.0 TeV	2.000×10^7	2.526	100.475	138.530	8.571	250.103	4.128×10^5
30.0 TeV	3.000×10^7	2.567	151.373	208.389	13.255	375.585	4.452×10^5
40.0 TeV	4.000×10^7	2.596	202.455	278.414	18.051	501.517	4.682×10^5
80.0 TeV	8.000×10^7	2.669	407.093	558.720	38.084	1006.567	5.234×10^5
100. TeV	1.000×10^8	2.693	509.587	699.006	48.433	1259.720	5.411×10^5