Muons in cesium iodide (CsI)

$\langle Z/A\rangle$	ρ [g/cm^3]	I [eV]	a	$k=m_s$	x_0	x_1	$\overline{C}$	δ_0
0.41569	4.510	553.1	0.25381	2.6657	0.0395	3.3353	6.2807	0.00

T	p [MeV/c]	Ionization	Brems	Pair prod [MeV cm^2/g]	Photonucl	Total	CSDA range [g/cm^2]
10.0 MeV	4.704×10^1	4.423				4.423	1.283×10^0
14.0 MeV	5.616×10^1	3.495				3.495	2.310×10^0
20.0 MeV	6.802×10^1	2.763				2.763	4.262×10^0
30.0 MeV	8.509×10^1	2.171				2.171	8.399×10^0
40.0 MeV	1.003×10^2	1.869				1.869	1.339×10^1
80.0 MeV	1.527×10^2	1.432				1.432	3.859×10^1
100. MeV	1.764×10^2	1.355				1.355	5.298×10^1
140. MeV	2.218×10^2	1.281				1.281	8.347×10^1
200. MeV	2.868×10^2	1.247				1.247	1.311×10^2
237. MeV	3.260×10^2	1.243				1.243	*Minimum ionization*
300. MeV	3.917×10^2	1.248	0.000		0.000	1.249	2.114×10^2
400. MeV	4.945×10^2	1.269	0.000		0.000	1.269	2.909×10^2
800. MeV	8.995×10^2	1.356	0.001		0.000	1.357	5.953×10^2
1.00 GeV	1.101×10^3	1.391	0.001		0.000	1.392	7.407×10^2
1.40 GeV	1.502×10^3	1.446	0.002	0.000	0.001	1.449	1.022×10^3
2.00 GeV	2.103×10^3	1.505	0.003	0.001	0.001	1.511	1.427×10^3
3.00 GeV	3.104×10^3	1.573	0.005	0.003	0.001	1.582	2.073×10^3
4.00 GeV	4.104×10^3	1.619	0.007	0.006	0.002	1.634	2.694×10^3
8.00 GeV	8.105×10^3	1.724	0.018	0.017	0.003	1.763	5.042×10^3
10.0 GeV	1.011×10^4	1.755	0.024	0.024	0.004	1.808	6.161×10^3
14.0 GeV	1.411×10^4	1.800	0.037	0.040	0.005	1.883	8.328×10^3
20.0 GeV	2.011×10^4	1.845	0.057	0.065	0.008	1.975	1.144×10^4
30.0 GeV	3.011×10^4	1.892	0.093	0.113	0.011	2.110	1.633×10^4
40.0 GeV	4.011×10^4	1.923	0.131	0.165	0.015	2.235	2.094×10^4
80.0 GeV	8.011×10^4	1.991	0.297	0.397	0.029	2.715	3.714×10^4
100. GeV	1.001×10^5	2.012	0.384	0.522	0.036	2.955	4.420×10^4
140. GeV	1.401×10^5	2.042	0.564	0.779	0.050	3.436	5.675×10^4
197. GeV	1.976×10^5	2.071	0.833	1.168	0.070	4.144	*Muon critical energy*
200. GeV	2.001×10^5	2.073	0.845	1.186	0.071	4.176	7.257×10^4
300. GeV	3.001×10^5	2.107	1.326	1.866	0.107	5.406	9.357×10^4
400. GeV	4.001×10^5	2.132	1.822	2.571	0.142	6.668	1.102×10^5
800. GeV	8.001×10^5	2.191	3.873	5.460	0.287	11.812	1.547×10^5
1.00 TeV	1.000×10^6	2.210	4.926	6.938	0.361	14.436	1.700×10^5
1.40 TeV	1.400×10^6	2.240	7.037	9.886	0.511	19.676	1.936×10^5
2.00 TeV	2.000×10^6	2.271	10.267	14.386	0.739	27.665	2.192×10^5
3.00 TeV	3.000×10^6	2.308	15.659	21.863	1.131	40.961	2.488×10^5
4.00 TeV	4.000×10^6	2.334	21.122	29.419	1.528	54.405	2.699×10^5
8.00 TeV	8.000×10^6	2.399	43.151	59.794	3.174	108.520	3.209×10^5
10.0 TeV	1.000×10^7	2.420	54.252	75.063	4.019	135.755	3.374×10^5
14.0 TeV	1.400×10^7	2.452	76.393	105.529	5.754	190.130	3.622×10^5
20.0 TeV	2.000×10^7	2.487	109.800	151.423	8.414	272.126	3.884×10^5
30.0 TeV	3.000×10^7	2.527	165.415	227.780	13.007	408.730	4.182×10^5
40.0 TeV	4.000×10^7	2.556	221.230	304.316	17.708	545.812	4.393×10^5
80.0 TeV	8.000×10^7	2.628	444.823	610.679	37.330	1095.462	4.900×10^5
100. TeV	1.000×10^8	2.652	556.808	764.003	47.463	1370.927	5.063×10^5