Muons in mercuric iodide HgI_2

$\langle Z/A \rangle$	ρ [g/cm^3]	I [eV]	a	$k = m_s$	x_0	x_1	$\overline{C}$	δ_0
0.40933	6.360	684.5	0.21513	2.7264	0.1040	3.4728	6.3787	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	4.193				4.193	1.358×10^0
14.0 MeV	5.616×10^1	3.320				3.320	2.441×10^0
20.0 MeV	6.802×10^1	2.629				2.629	4.493×10^0
30.0 MeV	8.509×10^1	2.069				2.069	8.837×10^0
40.0 MeV	1.003×10^2	1.784				1.784	1.407×10^1
80.0 MeV	1.527×10^2	1.369				1.369	4.044×10^1
100. MeV	1.764×10^2	1.296				1.297	5.549×10^1
140. MeV	2.218×10^2	1.227				1.227	8.734×10^1
200. MeV	2.868×10^2	1.196				1.196	1.370×10^2
233. MeV	3.220×10^2	1.193				1.193	*Minimum ionization*
300. MeV	3.917×10^2	1.200	0.000		0.000	1.200	2.207×10^2
400. MeV	4.945×10^2	1.220	0.000		0.000	1.221	3.033×10^2
800. MeV	8.995×10^2	1.308	0.001		0.000	1.309	6.192×10^2
1.00 GeV	1.101×10^3	1.342	0.001		0.000	1.344	7.700×10^2
1.40 GeV	1.502×10^3	1.397	0.002	0.000	0.001	1.399	1.061×10^3
2.00 GeV	2.103×10^3	1.456	0.003	0.001	0.001	1.461	1.480×10^3
3.00 GeV	3.104×10^3	1.522	0.006	0.003	0.001	1.533	2.148×10^3
4.00 GeV	4.104×10^3	1.568	0.008	0.006	0.002	1.584	2.789×10^3
8.00 GeV	8.105×10^3	1.672	0.021	0.019	0.003	1.716	5.205×10^3
10.0 GeV	1.011×10^4	1.703	0.028	0.027	0.004	1.763	6.354×10^3
14.0 GeV	1.411×10^4	1.748	0.042	0.044	0.005	1.841	8.573×10^3
20.0 GeV	2.011×10^4	1.793	0.066	0.072	0.007	1.939	1.175×10^4
30.0 GeV	3.011×10^4	1.840	0.108	0.127	0.011	2.086	1.671×10^4
40.0 GeV	4.011×10^4	1.871	0.152	0.187	0.015	2.225	2.136×10^4
80.0 GeV	8.011×10^4	1.939	0.343	0.450	0.028	2.762	3.746×10^4
100. GeV	1.001×10^5	1.960	0.445	0.591	0.035	3.032	4.437×10^4
140. GeV	1.401×10^5	1.989	0.653	0.883	0.049	3.576	5.650×10^4
172. GeV	1.717×10^5	2.007	0.823	1.124	0.060	4.015	*Muon critical energy*
200. GeV	2.001×10^5	2.020	0.979	1.346	0.070	4.416	7.158×10^4
300. GeV	3.001×10^5	2.054	1.535	2.118	0.105	5.813	9.127×10^4
400. GeV	4.001×10^5	2.078	2.110	2.918	0.140	7.248	1.067×10^5
800. GeV	8.001×10^5	2.137	4.481	6.199	0.283	13.102	1.471×10^5
1.00 TeV	1.000×10^6	2.156	5.699	7.878	0.355	16.090	1.609×10^5
1.40 TeV	1.400×10^6	2.185	8.140	11.225	0.503	22.055	1.820×10^5
2.00 TeV	2.000×10^6	2.216	11.872	16.333	0.728	31.151	2.048×10^5
3.00 TeV	3.000×10^6	2.252	18.101	24.820	1.113	46.288	2.310×10^5
4.00 TeV	4.000×10^6	2.278	24.412	33.398	1.504	61.593	2.497×10^5
8.00 TeV	8.000×10^6	2.341	49.849	67.874	3.123	123.189	2.947×10^5
10.0 TeV	1.000×10^7	2.362	62.664	85.203	3.955	154.185	3.092×10^5
14.0 TeV	1.400×10^7	2.394	88.225	119.781	5.661	216.062	3.310×10^5
20.0 TeV	2.000×10^7	2.428	126.786	171.867	8.275	309.358	3.541×10^5
30.0 TeV	3.000×10^7	2.468	190.981	258.525	12.790	464.766	3.803×10^5
40.0 TeV	4.000×10^7	2.497	255.401	345.385	17.411	620.695	3.988×10^5
80.0 TeV	8.000×10^7	2.567	513.445	693.064	36.695	1245.772	4.434×10^5
100. TeV	1.000×10^8	2.590	642.675	867.060	46.652	1558.979	4.577×10^5