Muons in lithium iodide (LiI)

$\langle Z/A \rangle$	ρ [g/cm^3]	I [eV]	a	$k = m_s$	x_0	x_1	$\overline{C}$	δ_0
0.41939	3.494	485.1	0.23274	2.7146	0.0892	3.3702	6.2671	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	4.564				4.565	1.240×10^0
14.0 MeV	5.616×10^1	3.603				3.603	2.236×10^0
20.0 MeV	6.802×10^1	2.845				2.845	4.130×10^0
30.0 MeV	8.509×10^1	2.233				2.233	8.150×10^0
40.0 MeV	1.003×10^2	1.921				1.921	1.301×10^1
80.0 MeV	1.527×10^2	1.469				1.469	3.755×10^1
100. MeV	1.764×10^2	1.389				1.389	5.158×10^1
140. MeV	2.218×10^2	1.313				1.313	8.134×10^1
200. MeV	2.868×10^2	1.277				1.277	1.278×10^2
243. MeV	3.325×10^2	1.272				1.273	*Minimum ionization*
300. MeV	3.917×10^2	1.277	0.000		0.000	1.278	2.063×10^2
400. MeV	4.945×10^2	1.297	0.000		0.000	1.298	2.840×10^2
800. MeV	8.995×10^2	1.385	0.001		0.000	1.386	5.818×10^2
1.00 GeV	1.101×10^3	1.420	0.001		0.000	1.422	7.242×10^2
1.40 GeV	1.502×10^3	1.476	0.002	0.000	0.001	1.478	9.999×10^2
2.00 GeV	2.103×10^3	1.536	0.003	0.001	0.001	1.540	1.397×10^3
3.00 GeV	3.104×10^3	1.603	0.005	0.003	0.001	1.612	2.031×10^3
4.00 GeV	4.104×10^3	1.650	0.007	0.005	0.002	1.664	2.641×10^3
8.00 GeV	8.105×10^3	1.755	0.017	0.016	0.003	1.793	4.947×10^3
10.0 GeV	1.011×10^4	1.787	0.023	0.023	0.004	1.837	6.049×10^3
14.0 GeV	1.411×10^4	1.832	0.034	0.037	0.006	1.910	8.183×10^3
20.0 GeV	2.011×10^4	1.877	0.053	0.061	0.008	2.000	1.125×10^4
30.0 GeV	3.011×10^4	1.925	0.087	0.106	0.011	2.130	1.609×10^4
40.0 GeV	4.011×10^4	1.956	0.123	0.156	0.015	2.251	2.066×10^4
80.0 GeV	8.011×10^4	2.025	0.279	0.374	0.029	2.708	3.682×10^4
100. GeV	1.001×10^5	2.046	0.361	0.491	0.036	2.936	4.392×10^4
140. GeV	1.401×10^5	2.076	0.530	0.734	0.051	3.392	5.658×10^4
200. GeV	2.001×10^5	2.107	0.795	1.117	0.072	4.092	7.267×10^4
212. GeV	2.117×10^5	2.112	0.846	1.189	0.076	4.225	*Muon critical energy*
300. GeV	3.001×10^5	2.142	1.247	1.758	0.108	5.256	9.419×10^4
400. GeV	4.001×10^5	2.167	1.714	2.422	0.144	6.447	1.113×10^5
800. GeV	8.001×10^5	2.227	3.644	5.144	0.291	11.307	1.576×10^5
1.00 TeV	1.000×10^6	2.246	4.635	6.537	0.366	13.785	1.736×10^5
1.40 TeV	1.400×10^6	2.276	6.623	9.316	0.518	18.734	1.984×10^5
2.00 TeV	2.000×10^6	2.308	9.663	13.557	0.749	26.278	2.253×10^5
3.00 TeV	3.000×10^6	2.344	14.739	20.604	1.145	38.834	2.565×10^5
4.00 TeV	4.000×10^6	2.371	19.882	27.727	1.548	51.529	2.787×10^5
8.00 TeV	8.000×10^6	2.436	40.622	56.359	3.217	102.635	3.327×10^5
10.0 TeV	1.000×10^7	2.457	51.074	70.752	4.074	128.358	3.501×10^5
14.0 TeV	1.400×10^7	2.490	71.920	99.470	5.835	179.716	3.763×10^5
20.0 TeV	2.000×10^7	2.525	103.376	142.731	8.533	257.166	4.041×10^5
30.0 TeV	3.000×10^7	2.566	155.742	214.709	13.196	386.214	4.356×10^5
40.0 TeV	4.000×10^7	2.595	208.297	286.857	17.970	515.721	4.579×10^5
80.0 TeV	8.000×10^7	2.667	418.837	575.651	37.904	1035.060	5.116×10^5
100. TeV	1.000×10^8	2.691	524.285	720.179	48.201	1295.357	5.288×10^5