Muons in potassium iodide (KI)

$\langle Z/A\rangle$	ρ [g/cm^3]	I [eV]	a	$k = m_s$	x_0	x_1	$\overline{C}$	δ_0
0.43373	3.130	431.9	0.22053	2.7558	0.1044	3.3442	6.1088	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	4.814				4.814	1.173×10^0
14.0 MeV	5.616×10^1	3.796				3.796	2.118×10^0
20.0 MeV	6.802×10^1	2.995				2.995	3.917×10^0
30.0 MeV	8.509×10^1	2.349				2.349	7.738×10^0
40.0 MeV	1.003×10^2	2.019				2.019	1.236×10^1
80.0 MeV	1.527×10^2	1.541				1.541	3.573×10^1
100. MeV	1.764×10^2	1.457				1.457	4.910×10^1
140. MeV	2.218×10^2	1.376				1.376	7.748×10^1
200. MeV	2.868×10^2	1.337				1.337	1.219×10^2
246. MeV	3.356×10^2	1.332				1.332	*Minimum ionization*
300. MeV	3.917×10^2	1.336	0.000		0.000	1.337	1.969×10^2
400. MeV	4.945×10^2	1.356	0.000		0.000	1.357	2.712×10^2
800. MeV	8.995×10^2	1.446	0.001		0.000	1.447	5.563×10^2
1.00 GeV	1.101×10^3	1.481	0.001		0.000	1.483	6.928×10^2
1.40 GeV	1.502×10^3	1.538	0.002	0.000	0.001	1.541	9.572×10^2
2.00 GeV	2.103×10^3	1.599	0.002	0.001	0.001	1.604	1.338×10^3
3.00 GeV	3.104×10^3	1.669	0.004	0.003	0.001	1.677	1.947×10^3
4.00 GeV	4.104×10^3	1.716	0.006	0.005	0.002	1.729	2.534×10^3
8.00 GeV	8.105×10^3	1.824	0.016	0.015	0.003	1.859	4.756×10^3
10.0 GeV	1.011×10^4	1.856	0.021	0.021	0.004	1.903	5.819×10^3
14.0 GeV	1.411×10^4	1.903	0.031	0.034	0.006	1.975	7.881×10^3
20.0 GeV	2.011×10^4	1.949	0.049	0.056	0.008	2.062	1.085×10^4
30.0 GeV	3.011×10^4	1.997	0.080	0.098	0.012	2.187	1.556×10^4
40.0 GeV	4.011×10^4	2.029	0.113	0.143	0.015	2.301	2.001×10^4
80.0 GeV	8.011×10^4	2.100	0.256	0.343	0.030	2.729	3.595×10^4
100. GeV	1.001×10^5	2.121	0.331	0.451	0.037	2.941	4.301×10^4
140. GeV	1.401×10^5	2.152	0.486	0.673	0.051	3.364	5.572×10^4
200. GeV	2.001×10^5	2.184	0.728	1.026	0.073	4.012	7.204×10^4
236. GeV	2.364×10^5	2.199	0.877	1.236	0.086	4.399	*Muon critical energy*
300. GeV	3.001×10^5	2.220	1.143	1.615	0.109	5.088	9.413×10^4
400. GeV	4.001×10^5	2.246	1.571	2.225	0.146	6.188	1.119×10^5
800. GeV	8.001×10^5	2.308	3.341	4.728	0.294	10.672	1.606×10^5
1.00 TeV	1.000×10^6	2.328	4.250	6.010	0.370	12.959	1.776×10^5
1.40 TeV	1.400×10^6	2.359	6.074	8.566	0.524	17.523	2.040×10^5
2.00 TeV	2.000×10^6	2.391	8.863	12.467	0.758	24.481	2.329×10^5
3.00 TeV	3.000×10^6	2.430	13.522	18.951	1.159	36.062	2.663×10^5
4.00 TeV	4.000×10^6	2.457	18.243	25.505	1.566	47.772	2.903×10^5
8.00 TeV	8.000×10^6	2.524	37.283	51.853	3.256	94.917	3.486×10^5
10.0 TeV	1.000×10^7	2.546	46.879	65.099	4.124	118.649	3.674×10^5
14.0 TeV	1.400×10^7	2.580	66.023	91.526	5.906	166.036	3.958×10^5
20.0 TeV	2.000×10^7	2.616	94.911	131.340	8.638	237.507	4.258×10^5
30.0 TeV	3.000×10^7	2.658	142.997	197.582	13.360	356.599	4.600×10^5
40.0 TeV	4.000×10^7	2.689	191.259	263.983	18.196	476.128	4.842×10^5
80.0 TeV	8.000×10^7	2.764	384.613	529.775	38.390	955.543	5.423×10^5
100. TeV	1.000×10^8	2.788	481.461	662.794	48.823	1195.867	5.610×10^5