Muons in liquid krypton (Kr)

Z	A [g/mol]	ρ [g/cm^3]	I [eV]	a	$k = m_s$	x_0	x_1	$\overline{C}$	δ_0
36 (Kr)	83.798 (2)	2.418	352.0	0.23491	3.0000	0.4454	3.0000	5.9674	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	4.909				4.909	1.152×10^0
14.0 MeV	5.616×10^1	3.870				3.870	2.079×10^0
20.0 MeV	6.802×10^1	3.053				3.053	3.844×10^0
30.0 MeV	8.509×10^1	2.392				2.392	7.594×10^0
40.0 MeV	1.003×10^2	2.055				2.055	1.213×10^1
80.0 MeV	1.527×10^2	1.565				1.565	3.512×10^1
100. MeV	1.764×10^2	1.479				1.479	4.829×10^1
140. MeV	2.218×10^2	1.397				1.397	7.624×10^1
200. MeV	2.868×10^2	1.360				1.360	1.199×10^2
236. MeV	3.250×10^2	1.357				1.357	*Minimum ionization*
300. MeV	3.917×10^2	1.364	0.000		0.000	1.364	1.935×10^2
400. MeV	4.945×10^2	1.386	0.000		0.000	1.386	2.662×10^2
800. MeV	8.995×10^2	1.478	0.001		0.000	1.479	5.452×10^2
1.00 GeV	1.101×10^3	1.514	0.001		0.000	1.515	6.788×10^2
1.40 GeV	1.502×10^3	1.570	0.001	0.000	0.001	1.572	9.377×10^2
2.00 GeV	2.103×10^3	1.630	0.002	0.001	0.001	1.634	1.312×10^3
3.00 GeV	3.104×10^3	1.697	0.004	0.002	0.001	1.705	1.910×10^3
4.00 GeV	4.104×10^3	1.743	0.005	0.004	0.002	1.754	2.488×10^3
8.00 GeV	8.105×10^3	1.844	0.013	0.013	0.003	1.874	4.686×10^3
10.0 GeV	1.011×10^4	1.874	0.017	0.018	0.004	1.914	5.742×10^3
14.0 GeV	1.411×10^4	1.917	0.026	0.029	0.006	1.978	7.796×10^3
20.0 GeV	2.011×10^4	1.959	0.041	0.047	0.008	2.055	1.077×10^4
30.0 GeV	3.011×10^4	2.004	0.066	0.082	0.012	2.164	1.551×10^4
40.0 GeV	4.011×10^4	2.033	0.094	0.120	0.015	2.263	2.002×10^4
80.0 GeV	8.011×10^4	2.099	0.211	0.288	0.030	2.630	3.639×10^4
100. GeV	1.001×10^5	2.119	0.274	0.379	0.037	2.810	4.375×10^4
140. GeV	1.401×10^5	2.149	0.402	0.566	0.052	3.170	5.715×10^4
200. GeV	2.001×10^5	2.181	0.603	0.861	0.074	3.720	7.461×10^4
277. GeV	2.772×10^5	2.210	0.866	1.241	0.102	4.420	*Muon critical energy*
300. GeV	3.001×10^5	2.217	0.946	1.356	0.110	4.631	9.866×10^4
400. GeV	4.001×10^5	2.242	1.302	1.870	0.147	5.561	1.183×10^5
800. GeV	8.001×10^5	2.303	2.769	3.976	0.298	9.347	1.732×10^5
1.00 TeV	1.000×10^6	2.323	3.524	5.054	0.374	11.276	1.927×10^5
1.40 TeV	1.400×10^6	2.354	5.038	7.205	0.530	15.128	2.232×10^5
2.00 TeV	2.000×10^6	2.386	7.355	10.490	0.767	20.999	2.568×10^5
3.00 TeV	3.000×10^6	2.424	11.225	15.949	1.173	30.773	2.959×10^5
4.00 TeV	4.000×10^6	2.451	15.150	21.468	1.585	40.655	3.241×10^5
8.00 TeV	8.000×10^6	2.518	30.981	43.658	3.297	80.454	3.927×10^5
10.0 TeV	1.000×10^7	2.540	38.962	54.815	4.176	100.494	4.149×10^5
14.0 TeV	1.400×10^7	2.573	54.882	77.074	5.981	140.511	4.484×10^5
20.0 TeV	2.000×10^7	2.609	78.910	110.610	8.748	200.878	4.839×10^5
30.0 TeV	3.000×10^7	2.651	118.912	166.409	13.532	301.505	5.243×10^5
40.0 TeV	4.000×10^7	2.681	159.067	222.346	18.431	402.525	5.529×10^5
80.0 TeV	8.000×10^7	2.755	319.956	446.262	38.896	807.870	6.216×10^5
100. TeV	1.000×10^8	2.779	400.550	558.330	49.470	1011.130	6.437×10^5