Muons in copernicium (Cn)

Z	A [g/mol]	ρ [g/cm^3]	I [eV]	a	$k = m_s$	x_0	x_1	$\overline{C}$	δ_0
112 (Cn)	[285.17712(5)]	??	1156.0	0.28410	3.0000	0.6774	3.0000	6.6791	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	3.462				3.462	1.726×10^0
14.0 MeV	5.616×10^1	2.799				2.799	3.022×10^0
20.0 MeV	6.802×10^1	2.254				2.254	5.434×10^0
30.0 MeV	8.509×10^1	1.799				1.799	1.046×10^1
40.0 MeV	1.003×10^2	1.562				1.562	1.646×10^1
80.0 MeV	1.527×10^2	1.215				1.215	4.633×10^1
100. MeV	1.764×10^2	1.154				1.154	6.326×10^1
140. MeV	2.218×10^2	1.100				1.100	9.891×10^1
200. MeV	2.868×10^2	1.080				1.080	1.541×10^2
207. MeV	2.943×10^2	1.080	0.000			1.080	*Minimum ionization*
300. MeV	3.917×10^2	1.094	0.000		0.000	1.095	2.463×10^2
400. MeV	4.945×10^2	1.122	0.000		0.000	1.123	3.365×10^2
800. MeV	8.995×10^2	1.222	0.001		0.000	1.224	6.767×10^2
1.00 GeV	1.101×10^3	1.259	0.002		0.000	1.261	8.375×10^2
1.40 GeV	1.502×10^3	1.315	0.003		0.000	1.319	1.147×10^3
2.00 GeV	2.103×10^3	1.375	0.005	0.000	0.001	1.381	1.591×10^3
3.00 GeV	3.104×10^3	1.440	0.009	0.003	0.001	1.454	2.295×10^3
4.00 GeV	4.104×10^3	1.484	0.013	0.006	0.001	1.506	2.971×10^3
8.00 GeV	8.105×10^3	1.581	0.033	0.025	0.003	1.643	5.504×10^3
10.0 GeV	1.011×10^4	1.610	0.044	0.036	0.004	1.694	6.702×10^3
14.0 GeV	1.411×10^4	1.650	0.067	0.060	0.005	1.783	9.002×10^3
20.0 GeV	2.011×10^4	1.690	0.104	0.100	0.007	1.902	1.226×10^4
30.0 GeV	3.011×10^4	1.731	0.171	0.179	0.010	2.092	1.727×10^4
40.0 GeV	4.011×10^4	1.758	0.242	0.265	0.014	2.280	2.185×10^4
80.0 GeV	8.011×10^4	1.818	0.547	0.651	0.027	3.045	3.699×10^4
100. GeV	1.001×10^5	1.837	0.709	0.860	0.033	3.440	4.316×10^4
113. GeV	1.130×10^5	1.847	0.814	0.995	0.038	3.696	*Muon critical energy*
140. GeV	1.401×10^5	1.864	1.040	1.289	0.047	4.242	5.362×10^4
200. GeV	2.001×10^5	1.893	1.558	1.971	0.066	5.491	6.603×10^4
300. GeV	3.001×10^5	1.926	2.442	3.108	0.099	7.577	8.148×10^4
400. GeV	4.001×10^5	1.949	3.355	4.288	0.132	9.726	9.311×10^4
800. GeV	8.001×10^5	2.005	7.116	9.127	0.268	18.518	1.224×10^5
1.00 TeV	1.000×10^6	2.023	9.046	11.602	0.336	23.011	1.321×10^5
1.40 TeV	1.400×10^6	2.051	12.911	16.536	0.476	31.977	1.468×10^5
2.00 TeV	2.000×10^6	2.081	18.816	24.067	0.689	45.654	1.624×10^5
3.00 TeV	3.000×10^6	2.116	28.664	36.578	1.052	68.413	1.802×10^5
4.00 TeV	4.000×10^6	2.140	38.636	49.224	1.421	91.424	1.928×10^5
8.00 TeV	8.000×10^6	2.201	78.802	100.039	2.949	183.994	2.230×10^5
10.0 TeV	1.000×10^7	2.221	99.027	125.577	3.733	230.561	2.327×10^5
14.0 TeV	1.400×10^7	2.252	139.365	176.547	5.341	323.507	2.473×10^5
20.0 TeV	2.000×10^7	2.285	200.194	253.328	7.804	463.613	2.627×10^5
30.0 TeV	3.000×10^7	2.323	301.557	381.041	12.055	696.979	2.802×10^5
40.0 TeV	4.000×10^7	2.350	403.275	509.046	16.404	931.078	2.925×10^5
80.0 TeV	8.000×10^7	2.418	810.106	1021.433	34.546	1868.505	3.223×10^5
100. TeV	1.000×10^8	2.440	1013.640	1277.860	43.910	2337.853	3.318×10^5