Muons in hassium (Hs)

Z	A [g/mol]	ρ [g/cm^3]	I [eV]	a	$k = m_s$	x_0	x_1	$\overline{C}$	δ_0
108 (Hs)	[277.1520 (1)]	??	1102.0	0.27500	3.0000	0.6392	3.0000	6.5619	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	3.590				3.590	1.656×10^0
14.0 MeV	5.616×10^1	2.896				2.896	2.907×10^0
20.0 MeV	6.802×10^1	2.328				2.328	5.240×10^0
30.0 MeV	8.509×10^1	1.855				1.855	1.011×10^1
40.0 MeV	1.003×10^2	1.610				1.610	1.593×10^1
80.0 MeV	1.527×10^2	1.250				1.250	4.493×10^1
100. MeV	1.764×10^2	1.188				1.188	6.138×10^1
140. MeV	2.218×10^2	1.131				1.131	9.603×10^1
200. MeV	2.868×10^2	1.110				1.110	1.497×10^2
207. MeV	2.943×10^2	1.110	0.000			1.110	*Minimum ionization*
300. MeV	3.917×10^2	1.124	0.000		0.000	1.125	2.394×10^2
400. MeV	4.945×10^2	1.153	0.000		0.000	1.153	3.272×10^2
800. MeV	8.995×10^2	1.253	0.001		0.000	1.254	6.588×10^2
1.00 GeV	1.101×10^3	1.289	0.002		0.000	1.292	8.159×10^2
1.40 GeV	1.502×10^3	1.346	0.003		0.000	1.350	1.118×10^3
2.00 GeV	2.103×10^3	1.406	0.005	0.000	0.001	1.413	1.552×10^3
3.00 GeV	3.104×10^3	1.472	0.009	0.003	0.001	1.485	2.241×10^3
4.00 GeV	4.104×10^3	1.517	0.013	0.006	0.001	1.538	2.902×10^3
8.00 GeV	8.105×10^3	1.615	0.032	0.024	0.003	1.675	5.385×10^3
10.0 GeV	1.011×10^4	1.644	0.042	0.035	0.004	1.726	6.561×10^3
14.0 GeV	1.411×10^4	1.685	0.064	0.058	0.005	1.814	8.820×10^3
20.0 GeV	2.011×10^4	1.725	0.100	0.097	0.007	1.931	1.202×10^4
30.0 GeV	3.011×10^4	1.767	0.164	0.173	0.010	2.116	1.697×10^4
40.0 GeV	4.011×10^4	1.795	0.232	0.258	0.014	2.300	2.150×10^4
80.0 GeV	8.011×10^4	1.857	0.525	0.631	0.027	3.040	3.659×10^4
100. GeV	1.001×10^5	1.876	0.680	0.832	0.033	3.423	4.279×10^4
119. GeV	1.188×10^5	1.890	0.827	1.024	0.040	3.782	*Muon critical energy*
140. GeV	1.401×10^5	1.904	0.998	1.248	0.047	4.197	5.333×10^4
200. GeV	2.001×10^5	1.933	1.495	1.907	0.066	5.403	6.590×10^4
300. GeV	3.001×10^5	1.966	2.342	3.007	0.100	7.417	8.165×10^4
400. GeV	4.001×10^5	1.990	3.218	4.147	0.133	9.490	9.354×10^4
800. GeV	8.001×10^5	2.048	6.827	8.824	0.268	17.969	1.237×10^5
1.00 TeV	1.000×10^6	2.066	8.679	11.217	0.337	22.302	1.337×10^5
1.40 TeV	1.400×10^6	2.095	12.387	15.987	0.478	30.948	1.488×10^5
2.00 TeV	2.000×10^6	2.125	18.054	23.267	0.690	44.138	1.650×10^5
3.00 TeV	3.000×10^6	2.160	27.505	35.360	1.055	66.083	1.834×10^5
4.00 TeV	4.000×10^6	2.186	37.075	47.582	1.425	88.270	1.964×10^5
8.00 TeV	8.000×10^6	2.248	75.625	96.702	2.958	177.535	2.277×10^5
10.0 TeV	1.000×10^7	2.268	95.036	121.390	3.744	222.441	2.378×10^5
14.0 TeV	1.400×10^7	2.300	133.752	170.652	5.356	312.063	2.529×10^5
20.0 TeV	2.000×10^7	2.333	192.138	244.858	7.826	447.158	2.689×10^5
30.0 TeV	3.000×10^7	2.372	289.430	368.301	12.089	672.195	2.870×10^5
40.0 TeV	4.000×10^7	2.400	387.063	492.028	16.451	897.944	2.998×10^5
80.0 TeV	8.000×10^7	2.469	777.558	987.280	34.647	1801.957	3.306×10^5
100. TeV	1.000×10^8	2.492	972.920	1235.130	44.040	2254.585	3.405×10^5