Table 312: Muons in Hassium

Z	A [g/mol]	ρ [g/cm^3]	I [eV]	a	$k = m_s$	x_0	x_1	$\overline{C}$	δ_0
108 (Hs)	[277.1498]	??	1102.0	0.27724	3.0000	0.6488	3.0000	6.5913	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	3.486				3.486	1.706×10^0
14.0 MeV	5.616×10^1	2.812				2.812	2.994×10^0
20.0 MeV	6.802×10^1	2.261				2.261	5.396×10^0
30.0 MeV	8.509×10^1	1.802				1.802	1.041×10^1
40.0 MeV	1.003×10^2	1.564				1.564	1.640×10^1
80.0 MeV	1.527×10^2	1.214				1.214	4.627×10^1
100. MeV	1.764×10^2	1.153				1.154	6.321×10^1
140. MeV	2.218×10^2	1.098				1.098	9.889×10^1
200. MeV	2.868×10^2	1.078				1.078	1.542×10^2
207. MeV	2.943×10^2	1.078	0.000			1.078	*Minimum ionization*
300. MeV	3.917×10^2	1.092	0.000		0.000	1.092	2.466×10^2
400. MeV	4.945×10^2	1.119	0.000		0.000	1.120	3.370×10^2
800. MeV	8.995×10^2	1.217	0.001		0.000	1.219	6.783×10^2
1.00 GeV	1.101×10^3	1.253	0.002		0.000	1.255	8.400×10^2
1.40 GeV	1.502×10^3	1.308	0.003		0.000	1.312	1.151×10^3
2.00 GeV	2.103×10^3	1.367	0.005	0.000	0.001	1.373	1.598×10^3
3.00 GeV	3.104×10^3	1.431	0.009	0.003	0.001	1.444	2.307×10^3
4.00 GeV	4.104×10^3	1.474	0.013	0.006	0.001	1.495	2.987×10^3
8.00 GeV	8.105×10^3	1.570	0.032	0.024	0.003	1.630	5.538×10^3
10.0 GeV	1.011×10^4	1.598	0.042	0.035	0.004	1.680	6.747×10^3
14.0 GeV	1.411×10^4	1.638	0.064	0.058	0.005	1.767	9.067×10^3
20.0 GeV	2.011×10^4	1.677	0.100	0.097	0.007	1.882	1.236×10^4
30.0 GeV	3.011×10^4	1.718	0.164	0.173	0.010	2.067	1.742×10^4
40.0 GeV	4.011×10^4	1.745	0.232	0.258	0.014	2.249	2.206×10^4
80.0 GeV	8.011×10^4	1.805	0.525	0.631	0.027	2.988	3.745×10^4
100. GeV	1.001×10^5	1.823	0.680	0.832	0.033	3.370	4.374×10^4
116. GeV	1.159×10^5	1.835	0.803	0.993	0.039	3.672	*Muon critical energy*
140. GeV	1.401×10^5	1.850	0.998	1.248	0.047	4.144	5.444×10^4
200. GeV	2.001×10^5	1.879	1.495	1.907	0.066	5.349	6.716×10^4
300. GeV	3.001×10^5	1.911	2.342	3.007	0.100	7.362	8.304×10^4
400. GeV	4.001×10^5	1.934	3.218	4.147	0.133	9.434	9.501×10^4
800. GeV	8.001×10^5	1.990	6.827	8.824	0.268	17.912	1.253×10^5
1.00 TeV	1.000×10^6	2.008	8.679	11.217	0.337	22.244	1.353×10^5
1.40 TeV	1.400×10^6	2.036	12.387	15.987	0.478	30.889	1.505×10^5
2.00 TeV	2.000×10^6	2.065	18.054	23.267	0.690	44.078	1.667×10^5
3.00 TeV	3.000×10^6	2.100	27.505	35.360	1.055	66.022	1.851×10^5
4.00 TeV	4.000×10^6	2.124	37.075	47.582	1.425	88.209	1.982×10^5
8.00 TeV	8.000×10^6	2.185	75.625	96.702	2.958	177.472	2.295×10^5
10.0 TeV	1.000×10^7	2.204	95.036	121.390	3.744	222.377	2.395×10^5
14.0 TeV	1.400×10^7	2.235	133.752	170.652	5.356	311.998	2.546×10^5
20.0 TeV	2.000×10^7	2.267	192.138	244.858	7.826	447.092	2.706×10^5
30.0 TeV	3.000×10^7	2.305	289.430	368.301	12.089	672.128	2.887×10^5
40.0 TeV	4.000×10^7	2.333	387.063	492.028	16.451	897.876	3.016×10^5
80.0 TeV	8.000×10^7	2.400	777.558	987.280	34.647	1801.888	3.324×10^5
100. TeV	1.000×10^8	2.422	972.920	1235.130	44.040	2254.514	3.423×10^5