Table 311: Muons in Bohrium

Z	A [g/mol]	ρ [g/cm^3]	I [eV]	a	$k = m_s$	x_0	x_1	$\overline{C}$	δ_0
107 (Bh)	[270.134 (4)]	??	1087.0	0.27391	3.0000	0.6345	3.0000	6.5475	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	3.559				3.559	1.669×10^0
14.0 MeV	5.616×10^1	2.869				2.869	2.931×10^0
20.0 MeV	6.802×10^1	2.305				2.305	5.287×10^0
30.0 MeV	8.509×10^1	1.836				1.836	1.021×10^1
40.0 MeV	1.003×10^2	1.593				1.593	1.609×10^1
80.0 MeV	1.527×10^2	1.237				1.237	4.540×10^1
100. MeV	1.764×10^2	1.175				1.175	6.203×10^1
140. MeV	2.218×10^2	1.118				1.119	9.707×10^1
200. MeV	2.868×10^2	1.098	0.000			1.098	1.514×10^2
207. MeV	2.943×10^2	1.097	0.000			1.098	*Minimum ionization*
300. MeV	3.917×10^2	1.112	0.000		0.000	1.112	2.421×10^2
400. MeV	4.945×10^2	1.139	0.000		0.000	1.140	3.309×10^2
800. MeV	8.995×10^2	1.238	0.001		0.000	1.240	6.664×10^2
1.00 GeV	1.101×10^3	1.274	0.002		0.000	1.277	8.253×10^2
1.40 GeV	1.502×10^3	1.330	0.003		0.000	1.334	1.131×10^3
2.00 GeV	2.103×10^3	1.389	0.005	0.000	0.001	1.396	1.571×10^3
3.00 GeV	3.104×10^3	1.454	0.009	0.003	0.001	1.468	2.268×10^3
4.00 GeV	4.104×10^3	1.498	0.013	0.007	0.001	1.520	2.937×10^3
8.00 GeV	8.105×10^3	1.595	0.033	0.025	0.003	1.657	5.447×10^3
10.0 GeV	1.011×10^4	1.624	0.044	0.037	0.004	1.709	6.635×10^3
14.0 GeV	1.411×10^4	1.664	0.067	0.061	0.005	1.798	8.915×10^3
20.0 GeV	2.011×10^4	1.704	0.104	0.101	0.007	1.917	1.214×10^4
30.0 GeV	3.011×10^4	1.745	0.171	0.181	0.010	2.108	1.712×10^4
40.0 GeV	4.011×10^4	1.773	0.241	0.268	0.014	2.298	2.166×10^4
80.0 GeV	8.011×10^4	1.834	0.546	0.656	0.027	3.065	3.669×10^4
100. GeV	1.001×10^5	1.852	0.708	0.867	0.034	3.462	4.283×10^4
113. GeV	1.135×10^5	1.863	0.817	1.008	0.038	3.727	*Muon critical energy*
140. GeV	1.401×10^5	1.880	1.038	1.299	0.047	4.266	5.322×10^4
200. GeV	2.001×10^5	1.909	1.556	1.985	0.067	5.518	6.557×10^4
300. GeV	3.001×10^5	1.942	2.438	3.129	0.100	7.611	8.095×10^4
400. GeV	4.001×10^5	1.965	3.349	4.316	0.134	9.766	9.252×10^4
800. GeV	8.001×10^5	2.022	7.105	9.182	0.270	18.581	1.217×10^5
1.00 TeV	1.000×10^6	2.040	9.032	11.672	0.339	23.086	1.314×10^5
1.40 TeV	1.400×10^6	2.068	12.891	16.635	0.480	32.076	1.460×10^5
2.00 TeV	2.000×10^6	2.098	18.787	24.209	0.694	45.792	1.616×10^5
3.00 TeV	3.000×10^6	2.133	28.623	36.793	1.061	68.612	1.793×10^5
4.00 TeV	4.000×10^6	2.158	38.581	49.509	1.433	91.684	1.919×10^5
8.00 TeV	8.000×10^6	2.220	78.696	100.619	2.974	184.510	2.220×10^5
10.0 TeV	1.000×10^7	2.240	98.895	126.306	3.764	231.207	2.317×10^5
14.0 TeV	1.400×10^7	2.271	139.183	177.563	5.385	324.404	2.462×10^5
20.0 TeV	2.000×10^7	2.304	199.938	254.774	7.868	464.886	2.616×10^5
30.0 TeV	3.000×10^7	2.342	301.179	383.215	12.155	698.894	2.790×10^5
40.0 TeV	4.000×10^7	2.370	402.775	511.951	16.541	933.639	2.914×10^5
80.0 TeV	8.000×10^7	2.438	809.119	1027.254	34.837	1873.651	3.210×10^5
100. TeV	1.000×10^8	2.461	1012.410	1285.140	44.280	2344.293	3.305×10^5