Table 115: Muons in Benzene C_6H_6

$\langle Z/A \rangle$	ρ [g/cm^3]	I [eV]	a	$k = m_s$	x_0	x_1	$\overline{C}$	δ_0
0.53769	0.879	63.4	0.16519	3.2174	0.1710	2.5091	3.3269	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	7.883				7.883	7.000×10^{-1}
14.0 MeV	5.616×10^1	6.144				6.144	1.281×10^0
20.0 MeV	6.802×10^1	4.795				4.795	2.399×10^0
30.0 MeV	8.509×10^1	3.717				3.717	4.801×10^0
40.0 MeV	1.003×10^2	3.172				3.172	7.733×10^0
80.0 MeV	1.527×10^2	2.379				2.379	2.276×10^1
100. MeV	1.764×10^2	2.229				2.229	3.147×10^1
140. MeV	2.218×10^2	2.075				2.076	5.015×10^1
200. MeV	2.868×10^2	1.987				1.987	7.981×10^1
300. MeV	3.917×10^2	1.952			0.000	1.952	1.307×10^2
318. MeV	4.105×10^2	1.951			0.000	1.952	*Minimum ionization*
400. MeV	4.945×10^2	1.958			0.000	1.958	1.819×10^2
800. MeV	8.995×10^2	2.030	0.000		0.000	2.030	3.826×10^2
1.00 GeV	1.101×10^3	2.063	0.000		0.000	2.064	4.803×10^2
1.40 GeV	1.502×10^3	2.117	0.000		0.001	2.118	6.716×10^2
2.00 GeV	2.103×10^3	2.176	0.000	0.000	0.001	2.178	9.507×10^2
3.00 GeV	3.104×10^3	2.243	0.001	0.001	0.001	2.246	1.402×10^3
4.00 GeV	4.104×10^3	2.290	0.001	0.001	0.002	2.294	1.843×10^3
8.00 GeV	8.105×10^3	2.397	0.003	0.003	0.004	2.407	3.540×10^3
10.0 GeV	1.011×10^4	2.430	0.004	0.004	0.005	2.442	4.364×10^3
14.0 GeV	1.411×10^4	2.477	0.006	0.006	0.007	2.496	5.983×10^3
20.0 GeV	2.011×10^4	2.524	0.009	0.010	0.009	2.553	8.359×10^3
30.0 GeV	3.011×10^4	2.576	0.015	0.018	0.014	2.623	1.222×10^4
40.0 GeV	4.011×10^4	2.611	0.021	0.027	0.018	2.677	1.599×10^4
80.0 GeV	8.011×10^4	2.692	0.049	0.065	0.035	2.841	3.047×10^4
100. GeV	1.001×10^5	2.718	0.063	0.086	0.043	2.910	3.743×10^4
140. GeV	1.401×10^5	2.755	0.093	0.130	0.059	3.038	5.087×10^4
200. GeV	2.001×10^5	2.795	0.141	0.199	0.084	3.219	7.005×10^4
300. GeV	3.001×10^5	2.839	0.222	0.316	0.126	3.505	9.981×10^4
400. GeV	4.001×10^5	2.871	0.307	0.439	0.168	3.786	1.273×10^5
800. GeV	8.001×10^5	2.948	0.661	0.951	0.340	4.900	2.199×10^5
1.00 TeV	1.000×10^6	2.973	0.844	1.216	0.428	5.460	2.585×10^5
1.19 TeV	1.189×10^6	2.992	1.017	1.464	0.512	5.985	*Muon critical energy*
1.40 TeV	1.400×10^6	3.011	1.212	1.743	0.606	6.573	3.252×10^5
2.00 TeV	2.000×10^6	3.052	1.779	2.552	0.878	8.262	4.065×10^5
3.00 TeV	3.000×10^6	3.099	2.730	3.899	1.346	11.075	5.107×10^5
4.00 TeV	4.000×10^6	3.133	3.698	5.266	1.822	13.919	5.910×10^5
8.00 TeV	8.000×10^6	3.216	7.621	10.772	3.804	25.414	8.006×10^5
10.0 TeV	1.000×10^7	3.244	9.606	13.547	4.825	31.223	8.715×10^5
14.0 TeV	1.400×10^7	3.286	13.568	19.074	6.931	42.858	9.804×10^5
20.0 TeV	2.000×10^7	3.331	19.563	27.412	10.166	60.472	1.098×10^6
30.0 TeV	3.000×10^7	3.383	29.546	41.284	15.784	89.997	1.232×10^6
40.0 TeV	4.000×10^7	3.420	39.586	55.203	21.551	119.760	1.328×10^6
80.0 TeV	8.000×10^7	3.513	79.826	110.926	45.767	240.031	1.560×10^6
100. TeV	1.000×10^8	3.544	99.994	138.821	58.325	300.684	1.634×10^6