

Muons in benzene C₆H₆

	$\langle Z/A \rangle$	ρ [g/cm ³]	I [eV]	a	$k = m_s$	x_0	x_1	\bar{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		<i>Minimum ionization</i>	
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		<i>Muon critical energy</i>	
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	