Muons in nitrobenzene ($C_6H_5NO_2$)

$\langle Z/A \rangle$	ρ [g/cm^3]	I [eV]	a	$k = m_s$	x_0	x_1	$\overline{C}$	δ_0
0.51986	1.199	75.8	0.12727	3.3091	0.1777	2.6630	3.4073	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	7.449				7.449	7.420×10^{-1}
14.0 MeV	5.616×10^1	5.811				5.811	1.356×10^0
20.0 MeV	6.802×10^1	4.538				4.538	2.538×10^0
30.0 MeV	8.509×10^1	3.521				3.521	5.075×10^0
40.0 MeV	1.003×10^2	3.007				3.007	8.168×10^0
80.0 MeV	1.527×10^2	2.258				2.258	2.401×10^1
100. MeV	1.764×10^2	2.117				2.118	3.318×10^1
140. MeV	2.218×10^2	1.972				1.972	5.285×10^1
200. MeV	2.868×10^2	1.889				1.889	8.405×10^1
300. MeV	3.917×10^2	1.857			0.000	1.857	1.376×10^2
317. MeV	4.096×10^2	1.857			0.000	1.857	*Minimum ionization*
400. MeV	4.945×10^2	1.863			0.000	1.864	1.914×10^2
800. MeV	8.995×10^2	1.935	0.000		0.000	1.935	4.021×10^2
1.00 GeV	1.101×10^3	1.967	0.000		0.000	1.968	5.046×10^2
1.40 GeV	1.502×10^3	2.020	0.000		0.001	2.021	7.050×10^2
2.00 GeV	2.103×10^3	2.078	0.001	0.000	0.001	2.079	9.975×10^2
3.00 GeV	3.104×10^3	2.144	0.001	0.001	0.001	2.147	1.470×10^3
4.00 GeV	4.104×10^3	2.189	0.001	0.001	0.002	2.194	1.931×10^3
8.00 GeV	8.105×10^3	2.294	0.003	0.003	0.004	2.304	3.704×10^3
10.0 GeV	1.011×10^4	2.326	0.004	0.004	0.005	2.339	4.566×10^3
14.0 GeV	1.411×10^4	2.372	0.007	0.007	0.007	2.392	6.255×10^3
20.0 GeV	2.011×10^4	2.418	0.010	0.012	0.009	2.449	8.733×10^3
30.0 GeV	3.011×10^4	2.468	0.017	0.020	0.013	2.519	1.276×10^4
40.0 GeV	4.011×10^4	2.502	0.024	0.030	0.018	2.574	1.668×10^4
80.0 GeV	8.011×10^4	2.581	0.054	0.072	0.034	2.742	3.171×10^4
100. GeV	1.001×10^5	2.605	0.070	0.096	0.042	2.814	3.891×10^4
140. GeV	1.401×10^5	2.642	0.103	0.144	0.059	2.948	5.280×10^4
200. GeV	2.001×10^5	2.680	0.156	0.220	0.084	3.139	7.251×10^4
300. GeV	3.001×10^5	2.723	0.246	0.350	0.125	3.444	1.029×10^5
400. GeV	4.001×10^5	2.754	0.339	0.485	0.167	3.745	1.307×10^5
800. GeV	8.001×10^5	2.828	0.728	1.048	0.337	4.942	2.234×10^5
1.00 TeV	1.000×10^6	2.852	0.929	1.340	0.424	5.545	2.616×10^5
1.06 TeV	1.058×10^6	2.858	0.987	1.422	0.449	5.717	*Muon critical energy*
1.40 TeV	1.400×10^6	2.889	1.334	1.919	0.601	6.744	3.269×10^5
2.00 TeV	2.000×10^6	2.929	1.956	2.808	0.871	8.564	4.057×10^5
3.00 TeV	3.000×10^6	2.974	3.000	4.287	1.334	11.596	5.057×10^5
4.00 TeV	4.000×10^6	3.007	4.061	5.788	1.806	14.662	5.822×10^5
8.00 TeV	8.000×10^6	3.088	8.360	11.832	3.770	27.050	7.801×10^5
10.0 TeV	1.000×10^7	3.114	10.534	14.877	4.781	33.306	8.466×10^5
14.0 TeV	1.400×10^7	3.155	14.872	20.943	6.865	45.835	9.486×10^5
20.0 TeV	2.000×10^7	3.198	21.435	30.093	10.068	64.794	1.058×10^6
30.0 TeV	3.000×10^7	3.249	32.362	45.317	15.626	96.554	1.184×10^6
40.0 TeV	4.000×10^7	3.285	43.348	60.590	21.332	128.555	1.273×10^6
80.0 TeV	8.000×10^7	3.375	87.387	121.738	45.278	257.777	1.489×10^6
100. TeV	1.000×10^8	3.404	109.462	152.348	57.691	322.905	1.558×10^6