Table 278: Muons in Xylene C_8H_{10}

$\langle Z/A\rangle$	ρ [g/cm^3]	I [eV]	a	$k = m_s$	x_0	x_1	$\overline{C}$	δ_0
0.54631	0.870	61.8	0.13216	3.3564	0.1695	2.5675	3.2698	0.00

T	p [MeV/c]	Ionization	Brems	Pair prod [MeV cm^2/g]	Photonucl	Total	CSDA range [g/cm^2]
10.0 MeV	4.704×10^1	8.035				8.035	6.866×10^{-1}
14.0 MeV	5.616×10^1	6.262				6.262	1.257×10^0
20.0 MeV	6.802×10^1	4.886				4.886	2.354×10^0
30.0 MeV	8.509×10^1	3.787				3.787	4.711×10^0
40.0 MeV	1.003×10^2	3.232				3.232	7.588×10^0
80.0 MeV	1.527×10^2	2.423				2.423	2.234×10^1
100. MeV	1.764×10^2	2.271				2.271	3.089×10^1
140. MeV	2.218×10^2	2.113				2.114	4.923×10^1
200. MeV	2.868×10^2	2.022				2.023	7.837×10^1
300. MeV	3.917×10^2	1.987			0.000	1.987	1.284×10^2
325. MeV	4.171×10^2	1.986			0.000	1.986	*Minimum ionization*
400. MeV	4.945×10^2	1.992			0.000	1.992	1.787×10^2
800. MeV	8.995×10^2	2.064	0.000		0.000	2.065	3.760×10^2
1.00 GeV	1.101×10^3	2.097	0.000		0.000	2.098	4.721×10^2
1.40 GeV	1.502×10^3	2.152	0.000		0.001	2.153	6.602×10^2
2.00 GeV	2.103×10^3	2.211	0.000	0.000	0.001	2.213	9.349×10^2
3.00 GeV	3.104×10^3	2.279	0.001	0.001	0.001	2.282	1.379×10^3
4.00 GeV	4.104×10^3	2.327	0.001	0.001	0.002	2.331	1.813×10^3
8.00 GeV	8.105×10^3	2.435	0.003	0.003	0.004	2.445	3.483×10^3
10.0 GeV	1.011×10^4	2.468	0.004	0.004	0.005	2.481	4.295×10^3
14.0 GeV	1.411×10^4	2.516	0.006	0.006	0.007	2.535	5.889×10^3
20.0 GeV	2.011×10^4	2.564	0.009	0.010	0.009	2.593	8.228×10^3
30.0 GeV	3.011×10^4	2.617	0.015	0.018	0.014	2.664	1.203×10^4
40.0 GeV	4.011×10^4	2.652	0.021	0.027	0.018	2.718	1.575×10^4
80.0 GeV	8.011×10^4	2.735	0.048	0.065	0.035	2.883	3.001×10^4
100. GeV	1.001×10^5	2.761	0.063	0.086	0.043	2.952	3.686×10^4
140. GeV	1.401×10^5	2.799	0.093	0.129	0.060	3.080	5.013×10^4
200. GeV	2.001×10^5	2.839	0.140	0.197	0.085	3.261	6.905×10^4
300. GeV	3.001×10^5	2.884	0.221	0.314	0.127	3.546	9.845×10^4
400. GeV	4.001×10^5	2.916	0.305	0.436	0.169	3.826	1.256×10^5
800. GeV	8.001×10^5	2.995	0.656	0.944	0.341	4.936	2.174×10^5
1.00 TeV	1.000×10^6	3.020	0.838	1.207	0.428	5.494	2.558×10^5
1.21 TeV	1.214×10^6	3.042	1.033	1.486	0.524	6.085	*Muon critical energy*
1.40 TeV	1.400×10^6	3.059	1.204	1.731	0.608	6.602	3.221×10^5
2.00 TeV	2.000×10^6	3.100	1.768	2.534	0.880	8.283	4.031×10^5
3.00 TeV	3.000×10^6	3.148	2.713	3.872	1.349	11.082	5.071×10^5
4.00 TeV	4.000×10^6	3.183	3.675	5.230	1.825	13.914	5.875×10^5
8.00 TeV	8.000×10^6	3.267	7.576	10.701	3.811	25.356	7.974×10^5
10.0 TeV	1.000×10^7	3.295	9.550	13.457	4.835	31.138	8.684×10^5
14.0 TeV	1.400×10^7	3.338	13.490	18.948	6.944	42.720	9.777×10^5
20.0 TeV	2.000×10^7	3.384	19.452	27.233	10.186	60.255	1.095×10^6
30.0 TeV	3.000×10^7	3.437	29.382	41.014	15.816	89.649	1.231×10^6
40.0 TeV	4.000×10^7	3.475	39.368	54.842	21.596	119.281	1.327×10^6
80.0 TeV	8.000×10^7	3.569	79.397	110.202	45.869	239.037	1.559×10^6
100. TeV	1.000×10^8	3.600	99.461	137.917	58.457	299.435	1.634×10^6