Table 255: Muons in Stilbene $(C_6H_5)CHCH(C_6H_5)$

$\langle Z/A \rangle$	ρ [g/cm^3]	I [eV]	a	$k = m_s$	x_0	x_1	$\overline{C}$	δ_0
0.53260	0.971	67.7	0.16659	3.2168	0.1734	2.5142	3.3680	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	7.743				7.743	7.131×10^{-1}
14.0 MeV	5.616×10^1	6.037				6.037	1.304×10^0
20.0 MeV	6.802×10^1	4.713				4.713	2.442×10^0
30.0 MeV	8.509×10^1	3.654				3.654	4.886×10^0
40.0 MeV	1.003×10^2	3.119				3.119	7.867×10^0
80.0 MeV	1.527×10^2	2.340				2.340	2.314×10^1
100. MeV	1.764×10^2	2.194				2.194	3.199×10^1
140. MeV	2.218×10^2	2.044				2.044	5.097×10^1
200. MeV	2.868×10^2	1.957				1.957	8.109×10^1
300. MeV	3.917×10^2	1.924			0.000	1.924	1.328×10^2
318. MeV	4.105×10^2	1.923			0.000	1.923	*Minimum ionization*
400. MeV	4.945×10^2	1.930			0.000	1.930	1.847×10^2
800. MeV	8.995×10^2	2.002	0.000		0.000	2.002	3.883×10^2
1.00 GeV	1.101×10^3	2.035	0.000		0.000	2.036	4.873×10^2
1.40 GeV	1.502×10^3	2.088	0.000		0.001	2.090	6.811×10^2
2.00 GeV	2.103×10^3	2.147	0.000	0.000	0.001	2.149	9.640×10^2
3.00 GeV	3.104×10^3	2.214	0.001	0.001	0.001	2.217	1.422×10^3
4.00 GeV	4.104×10^3	2.261	0.001	0.001	0.002	2.265	1.868×10^3
8.00 GeV	8.105×10^3	2.367	0.003	0.003	0.004	2.377	3.586×10^3
10.0 GeV	1.011×10^4	2.399	0.004	0.004	0.005	2.412	4.421×10^3
14.0 GeV	1.411×10^4	2.446	0.006	0.006	0.007	2.465	6.061×10^3
20.0 GeV	2.011×10^4	2.493	0.009	0.010	0.009	2.522	8.466×10^3
30.0 GeV	3.011×10^4	2.544	0.015	0.018	0.014	2.591	1.237×10^4
40.0 GeV	4.011×10^4	2.579	0.021	0.027	0.018	2.645	1.619×10^4
80.0 GeV	8.011×10^4	2.659	0.049	0.066	0.035	2.809	3.084×10^4
100. GeV	1.001×10^5	2.684	0.064	0.087	0.043	2.878	3.788×10^4
140. GeV	1.401×10^5	2.722	0.094	0.130	0.059	3.005	5.147×10^4
200. GeV	2.001×10^5	2.761	0.141	0.200	0.084	3.186	7.085×10^4
300. GeV	3.001×10^5	2.805	0.223	0.318	0.126	3.473	1.009×10^5
400. GeV	4.001×10^5	2.836	0.308	0.441	0.168	3.754	1.286×10^5
800. GeV	8.001×10^5	2.913	0.663	0.955	0.340	4.871	2.219×10^5
1.00 TeV	1.000×10^6	2.937	0.847	1.221	0.427	5.433	2.607×10^5
1.17 TeV	1.172×10^6	2.955	1.005	1.447	0.504	5.910	*Muon critical energy*
1.40 TeV	1.400×10^6	2.975	1.217	1.750	0.606	6.549	3.277×10^5
2.00 TeV	2.000×10^6	3.016	1.786	2.562	0.877	8.242	4.092×10^5
3.00 TeV	3.000×10^6	3.062	2.740	3.915	1.345	11.062	5.136×10^5
4.00 TeV	4.000×10^6	3.096	3.712	5.287	1.820	13.914	5.940×10^5
8.00 TeV	8.000×10^6	3.179	7.648	10.814	3.800	25.441	8.035×10^5
10.0 TeV	1.000×10^7	3.206	9.639	13.599	4.820	31.265	8.743×10^5
14.0 TeV	1.400×10^7	3.247	13.614	19.148	6.923	42.932	9.831×10^5
20.0 TeV	2.000×10^7	3.292	19.628	27.518	10.154	60.592	1.100×10^6
30.0 TeV	3.000×10^7	3.343	29.643	41.443	15.764	90.194	1.235×10^6
40.0 TeV	4.000×10^7	3.381	39.714	55.415	21.524	120.034	1.330×10^6
80.0 TeV	8.000×10^7	3.472	80.078	111.352	45.707	240.609	1.561×10^6
100. TeV	1.000×10^8	3.503	100.308	139.354	58.247	301.412	1.635×10^6