Table 220: Muons in Polychlorostyrene $(C_{17}H_{18}C_{l2})_n$

$\langle Z/A \rangle$	ρ [g/cm^3]	I [eV]	a	$k = m_s$	x_0	x_1	$\overline{C}$	δ_0
0.52518	1.300	81.7	0.07530	3.5441	0.1238	2.9241	3.4659	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	7.452				7.452	7.422×10^{-1}
14.0 MeV	5.616×10^1	5.816				5.816	1.356×10^0
20.0 MeV	6.802×10^1	4.544				4.544	2.537×10^0
30.0 MeV	8.509×10^1	3.526				3.526	5.070×10^0
40.0 MeV	1.003×10^2	3.012				3.012	8.159×10^0
80.0 MeV	1.527×10^2	2.258				2.259	2.397×10^1
100. MeV	1.764×10^2	2.117				2.117	3.314×10^1
140. MeV	2.218×10^2	1.973				1.973	5.281×10^1
200. MeV	2.868×10^2	1.890				1.890	8.400×10^1
300. MeV	3.917×10^2	1.860			0.000	1.860	1.375×10^2
314. MeV	4.065×10^2	1.859			0.000	1.860	*Minimum ionization*
400. MeV	4.945×10^2	1.867			0.000	1.867	1.912×10^2
800. MeV	8.995×10^2	1.940	0.000		0.000	1.941	4.014×10^2
1.00 GeV	1.101×10^3	1.973	0.000		0.000	1.974	5.036×10^2
1.40 GeV	1.502×10^3	2.027	0.000	0.000	0.001	2.028	7.033×10^2
2.00 GeV	2.103×10^3	2.086	0.001	0.000	0.001	2.088	9.946×10^2
3.00 GeV	3.104×10^3	2.154	0.001	0.001	0.001	2.157	1.465×10^3
4.00 GeV	4.104×10^3	2.201	0.002	0.001	0.002	2.205	1.923×10^3
8.00 GeV	8.105×10^3	2.308	0.004	0.004	0.004	2.319	3.687×10^3
10.0 GeV	1.011×10^4	2.340	0.005	0.005	0.005	2.356	4.542×10^3
14.0 GeV	1.411×10^4	2.387	0.008	0.009	0.007	2.411	6.219×10^3
20.0 GeV	2.011×10^4	2.435	0.012	0.014	0.009	2.471	8.676×10^3
30.0 GeV	3.011×10^4	2.486	0.020	0.025	0.013	2.545	1.266×10^4
40.0 GeV	4.011×10^4	2.521	0.029	0.037	0.018	2.604	1.654×10^4
80.0 GeV	8.011×10^4	2.600	0.066	0.089	0.034	2.789	3.136×10^4
100. GeV	1.001×10^5	2.625	0.085	0.117	0.042	2.870	3.843×10^4
140. GeV	1.401×10^5	2.661	0.126	0.176	0.058	3.022	5.201×10^4
200. GeV	2.001×10^5	2.700	0.189	0.269	0.083	3.242	7.117×10^4
300. GeV	3.001×10^5	2.744	0.299	0.427	0.124	3.593	1.005×10^5
400. GeV	4.001×10^5	2.774	0.412	0.591	0.166	3.943	1.270×10^5
800. GeV	8.001×10^5	2.850	0.883	1.272	0.335	5.340	2.138×10^5
910. GeV	9.104×10^5	2.864	1.017	1.465	0.382	5.728	*Muon critical energy*
1.00 TeV	1.000×10^6	2.874	1.126	1.624	0.421	6.045	2.490×10^5
1.40 TeV	1.400×10^6	2.911	1.616	2.324	0.597	7.448	3.085×10^5
2.00 TeV	2.000×10^6	2.951	2.367	3.397	0.864	9.579	3.794×10^5
3.00 TeV	3.000×10^6	2.997	3.627	5.181	1.324	13.129	4.682×10^5
4.00 TeV	4.000×10^6	3.030	4.907	6.991	1.791	16.719	5.356×10^5
8.00 TeV	8.000×10^6	3.112	10.089	14.275	3.738	31.214	7.079×10^5
10.0 TeV	1.000×10^7	3.139	12.708	17.943	4.740	38.530	7.655×10^5
14.0 TeV	1.400×10^7	3.179	17.936	25.252	6.806	53.173	8.535×10^5
20.0 TeV	2.000×10^7	3.223	25.842	36.274	9.979	75.319	9.479×10^5
30.0 TeV	3.000×10^7	3.274	38.999	54.616	15.485	112.376	1.056×10^6
40.0 TeV	4.000×10^7	3.311	52.223	73.016	21.136	149.686	1.133×10^6
80.0 TeV	8.000×10^7	3.402	105.229	146.673	44.847	300.151	1.318×10^6
100. TeV	1.000×10^8	3.431	131.796	183.544	57.136	375.907	1.377×10^6