Table 227: Muons in Polytetrafluoroethylene (Teflon, $[CF_2CF_2]_n$)

$\langle Z/A \rangle$	ρ [g/cm^3]	I [eV]	a	$k = m_s$	x_0	x_1	$\overline{C}$	δ_0
0.47992	2.200	99.1	0.10606	3.4046	0.1648	2.7404	3.4161	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	6.638				6.638	8.348×10^{-1}
14.0 MeV	5.616×10^1	5.185				5.185	1.524×10^0
20.0 MeV	6.802×10^1	4.055				4.055	2.847×10^0
30.0 MeV	8.509×10^1	3.150				3.150	5.684×10^0
40.0 MeV	1.003×10^2	2.692				2.692	9.140×10^0
80.0 MeV	1.527×10^2	2.026				2.026	2.681×10^1
100. MeV	1.764×10^2	1.900				1.900	3.703×10^1
140. MeV	2.218×10^2	1.771				1.771	5.894×10^1
200. MeV	2.868×10^2	1.698				1.698	9.367×10^1
300. MeV	3.917×10^2	1.671			0.000	1.672	1.532×10^2
308. MeV	4.000×10^2	1.671			0.000	1.672	*Minimum ionization*
400. MeV	4.945×10^2	1.678			0.000	1.679	2.129×10^2
800. MeV	8.995×10^2	1.745	0.000		0.000	1.746	4.466×10^2
1.00 GeV	1.101×10^3	1.776	0.000		0.000	1.776	5.602×10^2
1.40 GeV	1.502×10^3	1.824	0.000	0.000	0.001	1.826	7.822×10^2
2.00 GeV	2.103×10^3	1.878	0.001	0.000	0.001	1.880	1.106×10^3
3.00 GeV	3.104×10^3	1.939	0.001	0.001	0.001	1.942	1.628×10^3
4.00 GeV	4.104×10^3	1.982	0.002	0.001	0.002	1.986	2.137×10^3
8.00 GeV	8.105×10^3	2.078	0.004	0.004	0.004	2.090	4.094×10^3
10.0 GeV	1.011×10^4	2.108	0.005	0.005	0.005	2.123	5.044×10^3
14.0 GeV	1.411×10^4	2.150	0.008	0.008	0.006	2.173	6.905×10^3
20.0 GeV	2.011×10^4	2.193	0.012	0.014	0.009	2.228	9.629×10^3
30.0 GeV	3.011×10^4	2.240	0.020	0.024	0.013	2.297	1.405×10^4
40.0 GeV	4.011×10^4	2.271	0.028	0.035	0.017	2.352	1.835×10^4
80.0 GeV	8.011×10^4	2.344	0.063	0.085	0.034	2.526	3.473×10^4
100. GeV	1.001×10^5	2.366	0.082	0.113	0.042	2.603	4.253×10^4
140. GeV	1.401×10^5	2.400	0.121	0.169	0.058	2.748	5.748×10^4
200. GeV	2.001×10^5	2.435	0.182	0.258	0.082	2.958	7.851×10^4
300. GeV	3.001×10^5	2.475	0.287	0.410	0.123	3.295	1.105×10^5
400. GeV	4.001×10^5	2.503	0.396	0.568	0.164	3.631	1.394×10^5
800. GeV	8.001×10^5	2.572	0.848	1.224	0.331	4.976	2.331×10^5
854. GeV	8.536×10^5	2.578	0.910	1.314	0.354	5.157	*Muon critical energy*
1.00 TeV	1.000×10^6	2.594	1.082	1.563	0.416	5.656	2.708×10^5
1.40 TeV	1.400×10^6	2.628	1.552	2.237	0.590	7.007	3.343×10^5
2.00 TeV	2.000×10^6	2.665	2.273	3.268	0.855	9.061	4.094×10^5
3.00 TeV	3.000×10^6	2.707	3.482	4.985	1.310	12.484	5.030×10^5
4.00 TeV	4.000×10^6	2.737	4.710	6.726	1.772	15.945	5.738×10^5
8.00 TeV	8.000×10^6	2.812	9.681	13.733	3.696	29.922	7.540×10^5
10.0 TeV	1.000×10^7	2.836	12.193	17.262	4.687	36.978	8.140×10^5
14.0 TeV	1.400×10^7	2.873	17.204	24.293	6.727	51.098	9.056×10^5
20.0 TeV	2.000×10^7	2.914	24.781	34.897	9.860	72.452	1.004×10^6
30.0 TeV	3.000×10^7	2.960	37.396	52.542	15.296	108.195	1.116×10^6
40.0 TeV	4.000×10^7	2.994	50.074	70.243	20.873	144.183	1.196×10^6
80.0 TeV	8.000×10^7	3.076	100.900	141.106	44.257	289.339	1.388×10^6
100. TeV	1.000×10^8	3.104	126.375	176.579	56.372	362.430	1.449×10^6