Table 228: Muons in Polytrifluorochloroethylene $[C_2F_3Cl]_n$

$\langle Z/A \rangle$	ρ [g/cm^3]	I [eV]	a	$k = m_s$	x_0	x_1	$\overline{C}$	δ_0
0.48081	2.100	120.7	0.07727	3.5085	0.1714	3.0265	3.8551	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	6.474				6.474	8.577×10^{-1}
14.0 MeV	5.616×10^1	5.063				5.063	1.564×10^0
20.0 MeV	6.802×10^1	3.963				3.963	2.918×10^0
30.0 MeV	8.509×10^1	3.082				3.082	5.819×10^0
40.0 MeV	1.003×10^2	2.636				2.636	9.351×10^0
80.0 MeV	1.527×10^2	1.986				1.986	2.738×10^1
100. MeV	1.764×10^2	1.866				1.866	3.780×10^1
140. MeV	2.218×10^2	1.743				1.743	6.008×10^1
200. MeV	2.868×10^2	1.675				1.675	9.533×10^1
298. MeV	3.894×10^2	1.652			0.000	1.653	*Minimum ionization*
300. MeV	3.917×10^2	1.652			0.000	1.653	1.556×10^2
400. MeV	4.945×10^2	1.662			0.000	1.662	2.160×10^2
800. MeV	8.995×10^2	1.734	0.000		0.000	1.735	4.516×10^2
1.00 GeV	1.101×10^3	1.766	0.000		0.000	1.767	5.658×10^2
1.40 GeV	1.502×10^3	1.817	0.000	0.000	0.001	1.819	7.888×10^2
2.00 GeV	2.103×10^3	1.873	0.001	0.000	0.001	1.875	1.113×10^3
3.00 GeV	3.104×10^3	1.937	0.001	0.001	0.001	1.941	1.637×10^3
4.00 GeV	4.104×10^3	1.981	0.002	0.002	0.002	1.986	2.146×10^3
8.00 GeV	8.105×10^3	2.081	0.005	0.005	0.004	2.095	4.101×10^3
10.0 GeV	1.011×10^4	2.111	0.006	0.007	0.005	2.129	5.047×10^3
14.0 GeV	1.411×10^4	2.155	0.010	0.011	0.006	2.182	6.902×10^3
20.0 GeV	2.011×10^4	2.199	0.015	0.018	0.009	2.241	9.613×10^3
30.0 GeV	3.011×10^4	2.247	0.025	0.031	0.013	2.315	1.400×10^4
40.0 GeV	4.011×10^4	2.278	0.035	0.045	0.017	2.376	1.826×10^4
80.0 GeV	8.011×10^4	2.351	0.080	0.108	0.033	2.573	3.441×10^4
100. GeV	1.001×10^5	2.374	0.104	0.142	0.041	2.661	4.205×10^4
140. GeV	1.401×10^5	2.408	0.153	0.214	0.057	2.831	5.662×10^4
200. GeV	2.001×10^5	2.443	0.229	0.326	0.081	3.080	7.693×10^4
300. GeV	3.001×10^5	2.483	0.361	0.517	0.121	3.482	1.074×10^5
400. GeV	4.001×10^5	2.511	0.497	0.715	0.162	3.885	1.346×10^5
709. GeV	7.094×10^5	2.568	0.933	1.346	0.289	5.136	*Muon critical energy*
800. GeV	8.001×10^5	2.580	1.063	1.535	0.327	5.505	2.207×10^5
1.00 TeV	1.000×10^6	2.602	1.355	1.957	0.411	6.326	2.546×10^5
1.40 TeV	1.400×10^6	2.636	1.942	2.798	0.583	7.960	3.108×10^5
2.00 TeV	2.000×10^6	2.673	2.843	4.084	0.844	10.445	3.764×10^5
3.00 TeV	3.000×10^6	2.715	4.351	6.225	1.293	14.584	4.571×10^5
4.00 TeV	4.000×10^6	2.745	5.882	8.393	1.749	18.771	5.174×10^5
8.00 TeV	8.000×10^6	2.820	12.075	17.121	3.648	35.664	6.694×10^5
10.0 TeV	1.000×10^7	2.845	15.203	21.514	4.625	44.186	7.197×10^5
14.0 TeV	1.400×10^7	2.882	21.444	30.270	6.636	61.233	7.963×10^5
20.0 TeV	2.000×10^7	2.922	30.879	43.470	9.724	86.996	8.781×10^5
30.0 TeV	3.000×10^7	2.969	46.577	65.441	15.079	130.066	9.715×10^5
40.0 TeV	4.000×10^7	3.003	62.347	87.477	20.571	173.399	1.038×10^6
80.0 TeV	8.000×10^7	3.085	125.572	175.693	43.590	347.941	1.198×10^6
100. TeV	1.000×10^8	3.113	157.261	219.849	55.511	435.734	1.249×10^6