Muons in polyvinylidene fluoride [$(CH_2CHF_2)_n$]

$\langle Z/A \rangle$	ρ [g/cm^3]	I [eV]	a	$k = m_s$	x_0	x_1	$\overline{C}$	δ_0
0.49973	1.760	88.8	0.10316	3.4200	0.1717	2.7375	3.3793	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	7.014				7.014	7.892×10^{-1}
14.0 MeV	5.616×10^1	5.476				5.476	1.441×10^0
20.0 MeV	6.802×10^1	4.280				4.280	2.695×10^0
30.0 MeV	8.509×10^1	3.323				3.323	5.384×10^0
40.0 MeV	1.003×10^2	2.839				2.839	8.661×10^0
80.0 MeV	1.527×10^2	2.134				2.134	2.543×10^1
100. MeV	1.764×10^2	2.002				2.002	3.513×10^1
140. MeV	2.218×10^2	1.865				1.865	5.593×10^1
200. MeV	2.868×10^2	1.787				1.787	8.892×10^1
300. MeV	3.917×10^2	1.758			0.000	1.758	1.455×10^2
313. MeV	4.055×10^2	1.758			0.000	1.758	*Minimum ionization*
400. MeV	4.945×10^2	1.764			0.000	1.765	2.023×10^2
800. MeV	8.995×10^2	1.833	0.000		0.000	1.834	4.247×10^2
1.00 GeV	1.101×10^3	1.864	0.000		0.000	1.865	5.329×10^2
1.40 GeV	1.502×10^3	1.915	0.000		0.001	1.916	7.443×10^2
2.00 GeV	2.103×10^3	1.971	0.001	0.000	0.001	1.972	1.053×10^3
3.00 GeV	3.104×10^3	2.034	0.001	0.001	0.001	2.037	1.551×10^3
4.00 GeV	4.104×10^3	2.078	0.001	0.001	0.002	2.082	2.036×10^3
8.00 GeV	8.105×10^3	2.178	0.004	0.003	0.004	2.189	3.904×10^3
10.0 GeV	1.011×10^4	2.209	0.005	0.005	0.005	2.223	4.810×10^3
14.0 GeV	1.411×10^4	2.253	0.007	0.008	0.007	2.275	6.587×10^3
20.0 GeV	2.011×10^4	2.298	0.011	0.013	0.009	2.332	9.191×10^3
30.0 GeV	3.011×10^4	2.346	0.019	0.023	0.013	2.401	1.341×10^4
40.0 GeV	4.011×10^4	2.379	0.026	0.033	0.017	2.456	1.753×10^4
80.0 GeV	8.011×10^4	2.455	0.060	0.081	0.034	2.629	3.324×10^4
100. GeV	1.001×10^5	2.478	0.078	0.106	0.042	2.704	4.074×10^4
140. GeV	1.401×10^5	2.513	0.114	0.160	0.058	2.845	5.516×10^4
200. GeV	2.001×10^5	2.550	0.172	0.244	0.083	3.049	7.552×10^4
300. GeV	3.001×10^5	2.591	0.272	0.388	0.124	3.374	1.067×10^5
400. GeV	4.001×10^5	2.621	0.375	0.537	0.165	3.698	1.350×10^5
800. GeV	8.001×10^5	2.692	0.803	1.159	0.334	4.988	2.278×10^5
932. GeV	9.317×10^5	2.708	0.949	1.369	0.390	5.416	*Muon critical energy*
1.00 TeV	1.000×10^6	2.715	1.025	1.480	0.419	5.640	2.655×10^5
1.40 TeV	1.400×10^6	2.751	1.471	2.118	0.595	6.935	3.293×10^5
2.00 TeV	2.000×10^6	2.789	2.155	3.097	0.861	8.902	4.055×10^5
3.00 TeV	3.000×10^6	2.833	3.303	4.725	1.320	12.181	5.012×10^5
4.00 TeV	4.000×10^6	2.864	4.470	6.376	1.786	15.496	5.738×10^5
8.00 TeV	8.000×10^6	2.942	9.192	13.026	3.726	28.885	7.599×10^5
10.0 TeV	1.000×10^7	2.967	11.580	16.374	4.725	35.646	8.222×10^5
14.0 TeV	1.400×10^7	3.006	16.343	23.046	6.783	49.178	9.173×10^5
20.0 TeV	2.000×10^7	3.048	23.546	33.109	9.944	69.647	1.019×10^6
30.0 TeV	3.000×10^7	3.096	35.540	49.852	15.430	103.919	1.136×10^6
40.0 TeV	4.000×10^7	3.131	47.596	66.649	21.059	138.435	1.219×10^6
80.0 TeV	8.000×10^7	3.217	95.928	133.895	44.673	277.713	1.419×10^6
100. TeV	1.000×10^8	3.246	120.155	167.558	56.910	347.868	1.484×10^6