Table 222: Muons in Polyethylene terephthalate (Mylar) $(C_{10}H_8O_4)_n$

$\langle Z/A\rangle$	ρ [g/cm^3]	I [eV]	a	$k = m_s$	x_0	x_1	$\overline{C}$	δ_0
0.52037	1.400	78.7	0.12679	3.3076	0.1562	2.6507	3.3262	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	7.420				7.420	7.451×10^{-1}
14.0 MeV	5.616×10^1	5.789				5.789	1.362×10^0
20.0 MeV	6.802×10^1	4.522				4.522	2.548×10^0
30.0 MeV	8.509×10^1	3.509				3.509	5.093×10^0
40.0 MeV	1.003×10^2	2.997				2.997	8.197×10^0
80.0 MeV	1.527×10^2	2.250				2.250	2.409×10^1
100. MeV	1.764×10^2	2.108				2.108	3.329×10^1
140. MeV	2.218×10^2	1.963				1.964	5.305×10^1
200. MeV	2.868×10^2	1.880				1.880	8.440×10^1
300. MeV	3.917×10^2	1.849			0.000	1.849	1.382×10^2
317. MeV	4.096×10^2	1.848			0.000	1.849	*Minimum ionization*
400. MeV	4.945×10^2	1.855			0.000	1.855	1.922×10^2
800. MeV	8.995×10^2	1.926	0.000		0.000	1.926	4.039×10^2
1.00 GeV	1.101×10^3	1.958	0.000		0.000	1.959	5.069×10^2
1.40 GeV	1.502×10^3	2.010	0.000		0.001	2.011	7.083×10^2
2.00 GeV	2.103×10^3	2.068	0.001	0.000	0.001	2.070	1.002×10^3
3.00 GeV	3.104×10^3	2.134	0.001	0.001	0.001	2.137	1.477×10^3
4.00 GeV	4.104×10^3	2.180	0.001	0.001	0.002	2.184	1.940×10^3
8.00 GeV	8.105×10^3	2.284	0.003	0.003	0.004	2.294	3.721×10^3
10.0 GeV	1.011×10^4	2.316	0.004	0.004	0.005	2.329	4.586×10^3
14.0 GeV	1.411×10^4	2.362	0.007	0.007	0.007	2.382	6.283×10^3
20.0 GeV	2.011×10^4	2.408	0.010	0.012	0.009	2.439	8.770×10^3
30.0 GeV	3.011×10^4	2.458	0.017	0.020	0.013	2.509	1.281×10^4
40.0 GeV	4.011×10^4	2.492	0.024	0.030	0.018	2.564	1.675×10^4
80.0 GeV	8.011×10^4	2.571	0.054	0.073	0.034	2.732	3.184×10^4
100. GeV	1.001×10^5	2.595	0.070	0.096	0.042	2.804	3.906×10^4
140. GeV	1.401×10^5	2.632	0.104	0.144	0.059	2.939	5.299×10^4
200. GeV	2.001×10^5	2.670	0.156	0.221	0.084	3.131	7.276×10^4
300. GeV	3.001×10^5	2.713	0.246	0.351	0.125	3.436	1.032×10^5
400. GeV	4.001×10^5	2.744	0.340	0.487	0.167	3.738	1.311×10^5
800. GeV	8.001×10^5	2.818	0.731	1.052	0.337	4.939	2.239×10^5
1.00 TeV	1.000×10^6	2.843	0.932	1.345	0.424	5.544	2.621×10^5
1.05 TeV	1.051×10^6	2.848	0.984	1.418	0.446	5.696	*Muon critical energy*
1.40 TeV	1.400×10^6	2.879	1.339	1.926	0.601	6.746	3.274×10^5
2.00 TeV	2.000×10^6	2.919	1.964	2.818	0.871	8.572	4.062×10^5
3.00 TeV	3.000×10^6	2.965	3.011	4.303	1.334	11.612	5.061×10^5
4.00 TeV	4.000×10^6	2.997	4.076	5.809	1.806	14.688	5.825×10^5
8.00 TeV	8.000×10^6	3.078	8.390	11.874	3.769	27.112	7.799×10^5
10.0 TeV	1.000×10^7	3.105	10.572	14.929	4.781	33.387	8.463×10^5
14.0 TeV	1.400×10^7	3.145	14.925	21.017	6.865	45.952	9.480×10^5
20.0 TeV	2.000×10^7	3.189	21.511	30.199	10.067	64.966	1.057×10^6
30.0 TeV	3.000×10^7	3.239	32.477	45.477	15.625	96.818	1.183×10^6
40.0 TeV	4.000×10^7	3.276	43.502	60.804	21.330	128.912	1.272×10^6
80.0 TeV	8.000×10^7	3.365	87.697	122.167	45.272	258.501	1.487×10^6
100. TeV	1.000×10^8	3.395	109.848	152.885	57.684	323.812	1.556×10^6