Table 208: Muons in Nylon du Pont Elvamide 8062M

$\langle Z/A \rangle$	ρ [g/cm^3]	I [eV]	a	$k = m_s$	x_0	x_1	$\overline{C}$	δ_0
0.55063	1.080	64.3	0.11513	3.4044	0.1503	2.6004	3.1250	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	8.058				8.058	6.849×10^{-1}
14.0 MeV	5.616×10^1	6.281				6.281	1.253×10^0
20.0 MeV	6.802×10^1	4.902				4.902	2.347×10^0
30.0 MeV	8.509×10^1	3.800				3.800	4.696×10^0
40.0 MeV	1.003×10^2	3.243				3.243	7.563×10^0
80.0 MeV	1.527×10^2	2.431				2.431	2.226×10^1
100. MeV	1.764×10^2	2.276				2.276	3.079×10^1
140. MeV	2.218×10^2	2.117				2.117	4.910×10^1
200. MeV	2.868×10^2	2.025				2.025	7.819×10^1
300. MeV	3.917×10^2	1.988			0.000	1.988	1.282×10^2
324. MeV	4.161×10^2	1.987			0.000	1.987	*Minimum ionization*
400. MeV	4.945×10^2	1.992			0.000	1.993	1.785×10^2
800. MeV	8.995×10^2	2.064	0.000		0.000	2.064	3.758×10^2
1.00 GeV	1.101×10^3	2.097	0.000		0.000	2.098	4.719×10^2
1.40 GeV	1.502×10^3	2.151	0.000		0.001	2.152	6.600×10^2
2.00 GeV	2.103×10^3	2.211	0.000	0.000	0.001	2.213	9.348×10^2
3.00 GeV	3.104×10^3	2.279	0.001	0.001	0.001	2.282	1.379×10^3
4.00 GeV	4.104×10^3	2.326	0.001	0.001	0.002	2.331	1.813×10^3
8.00 GeV	8.105×10^3	2.435	0.003	0.003	0.004	2.445	3.483×10^3
10.0 GeV	1.011×10^4	2.469	0.004	0.004	0.005	2.482	4.295×10^3
14.0 GeV	1.411×10^4	2.517	0.006	0.007	0.007	2.536	5.888×10^3
20.0 GeV	2.011×10^4	2.566	0.010	0.011	0.009	2.596	8.225×10^3
30.0 GeV	3.011×10^4	2.618	0.016	0.019	0.014	2.667	1.202×10^4
40.0 GeV	4.011×10^4	2.655	0.022	0.028	0.018	2.723	1.573×10^4
80.0 GeV	8.011×10^4	2.738	0.051	0.068	0.035	2.892	2.996×10^4
100. GeV	1.001×10^5	2.763	0.066	0.090	0.043	2.963	3.680×10^4
140. GeV	1.401×10^5	2.802	0.098	0.136	0.059	3.095	5.000×10^4
200. GeV	2.001×10^5	2.842	0.147	0.208	0.084	3.282	6.882×10^4
300. GeV	3.001×10^5	2.888	0.232	0.331	0.126	3.578	9.799×10^4
400. GeV	4.001×10^5	2.921	0.321	0.459	0.168	3.869	1.249×10^5
800. GeV	8.001×10^5	2.999	0.690	0.993	0.340	5.023	2.153×10^5
1.00 TeV	1.000×10^6	3.025	0.881	1.269	0.427	5.603	2.530×10^5
1.17 TeV	1.168×10^6	3.043	1.042	1.499	0.502	6.086	*Muon critical energy*
1.40 TeV	1.400×10^6	3.064	1.266	1.819	0.606	6.756	3.179×10^5
2.00 TeV	2.000×10^6	3.106	1.858	2.663	0.878	8.505	3.969×10^5
3.00 TeV	3.000×10^6	3.154	2.851	4.068	1.346	11.419	4.981×10^5
4.00 TeV	4.000×10^6	3.189	3.862	5.494	1.821	14.366	5.760×10^5
8.00 TeV	8.000×10^6	3.274	7.957	11.237	3.802	26.271	7.789×10^5
10.0 TeV	1.000×10^7	3.302	10.030	14.130	4.823	32.285	8.475×10^5
14.0 TeV	1.400×10^7	3.345	14.166	19.893	6.927	44.333	9.528×10^5
20.0 TeV	2.000×10^7	3.391	20.426	28.589	10.161	62.567	1.066×10^6
30.0 TeV	3.000×10^7	3.445	30.850	43.055	15.776	93.125	1.196×10^6
40.0 TeV	4.000×10^7	3.483	41.333	57.568	21.540	123.925	1.289×10^6
80.0 TeV	8.000×10^7	3.578	83.363	115.674	45.745	248.361	1.513×10^6
100. TeV	1.000×10^8	3.609	104.434	144.763	58.296	311.103	1.585×10^6