Table 209: Muons in Nylon (type 6, 6/6) $[CH(CH_2)_5NO]_n$

$\langle Z/A \rangle$	ρ [g/cm^3]	I [eV]	a	$k = m_s$	x_0	x_1	$\overline{C}$	δ_0
0.54790	1.180	63.9	0.11818	3.3826	0.1261	2.5759	3.0289	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	8.024				8.025	6.877×10^{-1}
14.0 MeV	5.616×10^1	6.255				6.255	1.258×10^0
20.0 MeV	6.802×10^1	4.881				4.881	2.357×10^0
30.0 MeV	8.509×10^1	3.784				3.784	4.716×10^0
40.0 MeV	1.003×10^2	3.229				3.230	7.596×10^0
80.0 MeV	1.527×10^2	2.416				2.417	2.236×10^1
100. MeV	1.764×10^2	2.262				2.262	3.094×10^1
140. MeV	2.218×10^2	2.103				2.103	4.937×10^1
200. MeV	2.868×10^2	2.011				2.011	7.865×10^1
300. MeV	3.917×10^2	1.974			0.000	1.974	1.290×10^2
328. MeV	4.201×10^2	1.973			0.000	1.973	*Minimum ionization*
400. MeV	4.945×10^2	1.978			0.000	1.978	1.796×10^2
800. MeV	8.995×10^2	2.048	0.000		0.000	2.049	3.784×10^2
1.00 GeV	1.101×10^3	2.081	0.000		0.000	2.082	4.752×10^2
1.40 GeV	1.502×10^3	2.135	0.000		0.001	2.136	6.648×10^2
2.00 GeV	2.103×10^3	2.194	0.000	0.000	0.001	2.196	9.417×10^2
3.00 GeV	3.104×10^3	2.261	0.001	0.001	0.001	2.264	1.390×10^3
4.00 GeV	4.104×10^3	2.308	0.001	0.001	0.002	2.313	1.826×10^3
8.00 GeV	8.105×10^3	2.417	0.003	0.003	0.004	2.427	3.510×10^3
10.0 GeV	1.011×10^4	2.449	0.004	0.004	0.005	2.463	4.328×10^3
14.0 GeV	1.411×10^4	2.497	0.006	0.007	0.007	2.517	5.934×10^3
20.0 GeV	2.011×10^4	2.546	0.010	0.011	0.009	2.576	8.288×10^3
30.0 GeV	3.011×10^4	2.598	0.016	0.019	0.014	2.647	1.212×10^4
40.0 GeV	4.011×10^4	2.634	0.022	0.028	0.018	2.703	1.585×10^4
80.0 GeV	8.011×10^4	2.717	0.051	0.069	0.035	2.871	3.019×10^4
100. GeV	1.001×10^5	2.743	0.066	0.091	0.043	2.943	3.706×10^4
140. GeV	1.401×10^5	2.781	0.098	0.136	0.059	3.075	5.036×10^4
200. GeV	2.001×10^5	2.821	0.148	0.209	0.084	3.262	6.930×10^4
300. GeV	3.001×10^5	2.867	0.233	0.332	0.126	3.558	9.863×10^4
400. GeV	4.001×10^5	2.899	0.322	0.460	0.168	3.850	1.256×10^5
800. GeV	8.001×10^5	2.977	0.693	0.996	0.340	5.007	2.165×10^5
1.00 TeV	1.000×10^6	3.003	0.884	1.274	0.427	5.588	2.543×10^5
1.16 TeV	1.157×10^6	3.020	1.034	1.488	0.497	6.040	*Muon critical energy*
1.40 TeV	1.400×10^6	3.042	1.270	1.826	0.606	6.744	3.193×10^5
2.00 TeV	2.000×10^6	3.083	1.864	2.672	0.877	8.498	3.985×10^5
3.00 TeV	3.000×10^6	3.131	2.860	4.082	1.345	11.418	4.996×10^5
4.00 TeV	4.000×10^6	3.166	3.874	5.512	1.820	14.372	5.775×10^5
8.00 TeV	8.000×10^6	3.251	7.982	11.273	3.800	26.306	7.802×10^5
10.0 TeV	1.000×10^7	3.279	10.061	14.176	4.820	32.336	8.487×10^5
14.0 TeV	1.400×10^7	3.322	14.209	19.959	6.922	44.412	9.538×10^5
20.0 TeV	2.000×10^7	3.368	20.487	28.682	10.153	62.690	1.067×10^6
30.0 TeV	3.000×10^7	3.421	30.941	43.195	15.764	93.320	1.197×10^6
40.0 TeV	4.000×10^7	3.459	41.454	57.756	21.524	124.192	1.290×10^6
80.0 TeV	8.000×10^7	3.553	83.604	116.050	45.708	248.916	1.513×10^6
100. TeV	1.000×10^8	3.585	104.736	145.233	58.248	311.801	1.584×10^6