Muons in Nylon type 11 Rilsan ($[C_{11}H_{21}ON)_n]$, $[(CH(CH_2)_{10}NO)_n]$)

$\langle Z/A \rangle$	ρ [g/cm^3]	I [eV]	a	$k = m_s$	x_0	x_1	$\overline{C}$	δ_0
0.55649	1.425	61.6	0.14868	3.2576	0.0678	2.4281	2.7514	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	8.188				8.188	6.737×10^{-1}
14.0 MeV	5.616×10^1	6.381				6.381	1.233×10^0
20.0 MeV	6.802×10^1	4.979				4.979	2.310×10^0
30.0 MeV	8.509×10^1	3.859				3.859	4.623×10^0
40.0 MeV	1.003×10^2	3.293				3.293	7.446×10^0
80.0 MeV	1.527×10^2	2.453				2.453	2.195×10^1
100. MeV	1.764×10^2	2.295				2.295	3.041×10^1
140. MeV	2.218×10^2	2.132				2.132	4.858×10^1
200. MeV	2.868×10^2	2.037				2.037	7.748×10^1
300. MeV	3.917×10^2	1.998			0.000	1.998	1.272×10^2
328. MeV	4.211×10^2	1.997			0.000	1.997	*Minimum ionization*
400. MeV	4.945×10^2	2.001			0.000	2.001	1.773×10^2
800. MeV	8.995×10^2	2.070	0.000		0.000	2.071	3.739×10^2
1.00 GeV	1.101×10^3	2.103	0.000		0.000	2.103	4.697×10^2
1.40 GeV	1.502×10^3	2.156	0.000		0.001	2.157	6.574×10^2
2.00 GeV	2.103×10^3	2.215	0.000	0.000	0.001	2.217	9.316×10^2
3.00 GeV	3.104×10^3	2.283	0.001	0.001	0.001	2.285	1.375×10^3
4.00 GeV	4.104×10^3	2.330	0.001	0.001	0.002	2.334	1.808×10^3
8.00 GeV	8.105×10^3	2.438	0.003	0.003	0.004	2.448	3.477×10^3
10.0 GeV	1.011×10^4	2.471	0.004	0.004	0.005	2.484	4.288×10^3
14.0 GeV	1.411×10^4	2.519	0.006	0.006	0.007	2.539	5.879×10^3
20.0 GeV	2.011×10^4	2.568	0.009	0.011	0.009	2.598	8.214×10^3
30.0 GeV	3.011×10^4	2.622	0.015	0.019	0.014	2.670	1.201×10^4
40.0 GeV	4.011×10^4	2.658	0.022	0.027	0.018	2.725	1.571×10^4
80.0 GeV	8.011×10^4	2.742	0.050	0.067	0.035	2.893	2.993×10^4
100. GeV	1.001×10^5	2.768	0.064	0.088	0.043	2.964	3.676×10^4
140. GeV	1.401×10^5	2.807	0.095	0.132	0.060	3.094	4.997×10^4
200. GeV	2.001×10^5	2.848	0.143	0.203	0.085	3.279	6.880×10^4
300. GeV	3.001×10^5	2.894	0.227	0.322	0.127	3.570	9.801×10^4
400. GeV	4.001×10^5	2.927	0.313	0.447	0.169	3.857	1.250×10^5
800. GeV	8.001×10^5	3.007	0.674	0.969	0.341	4.991	2.159×10^5
1.00 TeV	1.000×10^6	3.033	0.861	1.239	0.428	5.561	2.538×10^5
1.19 TeV	1.193×10^6	3.053	1.041	1.497	0.515	6.107	*Muon critical energy*
1.40 TeV	1.400×10^6	3.072	1.237	1.776	0.608	6.693	3.193×10^5
2.00 TeV	2.000×10^6	3.114	1.815	2.601	0.880	8.411	3.991×10^5
3.00 TeV	3.000×10^6	3.163	2.786	3.973	1.349	11.271	5.015×10^5
4.00 TeV	4.000×10^6	3.198	3.774	5.366	1.825	14.164	5.805×10^5
8.00 TeV	8.000×10^6	3.285	7.778	10.978	3.812	25.853	7.865×10^5
10.0 TeV	1.000×10^7	3.313	9.805	13.806	4.835	31.760	8.562×10^5
14.0 TeV	1.400×10^7	3.356	13.850	19.438	6.945	43.590	9.632×10^5
20.0 TeV	2.000×10^7	3.403	19.973	27.936	10.188	61.500	1.079×10^6
30.0 TeV	3.000×10^7	3.457	30.169	42.073	15.819	91.517	1.211×10^6
40.0 TeV	4.000×10^7	3.496	40.424	56.257	21.600	121.776	1.305×10^6
80.0 TeV	8.000×10^7	3.592	81.538	113.042	45.878	244.050	1.533×10^6
100. TeV	1.000×10^8	3.623	102.150	141.470	58.469	305.712	1.606×10^6