Table 244: Muons in Rubber neoprene $(C_4H_5Cl)_n$

$\langle Z/A \rangle$	ρ [g/cm^3]	I [eV]	a	$k = m_s$	x_0	x_1	$\overline{C}$	δ_0
0.51956	1.230	93.0	0.09763	3.3632	0.1501	2.9461	3.7911	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	7.248				7.248	7.641×10^{-1}
14.0 MeV	5.616×10^1	5.659				5.660	1.395×10^0
20.0 MeV	6.802×10^1	4.424				4.424	2.608×10^0
30.0 MeV	8.509×10^1	3.436				3.436	5.209×10^0
40.0 MeV	1.003×10^2	2.936				2.936	8.377×10^0
80.0 MeV	1.527×10^2	2.207				2.207	2.459×10^1
100. MeV	1.764×10^2	2.070				2.070	3.397×10^1
140. MeV	2.218×10^2	1.931				1.931	5.407×10^1
200. MeV	2.868×10^2	1.853				1.853	8.590×10^1
300. MeV	3.917×10^2	1.826			0.000	1.826	1.404×10^2
304. MeV	3.959×10^2	1.826			0.000	1.826	*Minimum ionization*
400. MeV	4.945×10^2	1.835			0.000	1.835	1.951×10^2
800. MeV	8.995×10^2	1.911	0.000		0.000	1.912	4.087×10^2
1.00 GeV	1.101×10^3	1.946	0.000		0.000	1.946	5.123×10^2
1.40 GeV	1.502×10^3	2.001	0.000	0.000	0.001	2.002	7.148×10^2
2.00 GeV	2.103×10^3	2.061	0.001	0.000	0.001	2.063	1.010×10^3
3.00 GeV	3.104×10^3	2.130	0.001	0.001	0.001	2.133	1.486×10^3
4.00 GeV	4.104×10^3	2.177	0.002	0.001	0.002	2.183	1.949×10^3
8.00 GeV	8.105×10^3	2.286	0.005	0.004	0.004	2.299	3.729×10^3
10.0 GeV	1.011×10^4	2.318	0.006	0.006	0.005	2.336	4.592×10^3
14.0 GeV	1.411×10^4	2.366	0.009	0.010	0.006	2.392	6.283×10^3
20.0 GeV	2.011×10^4	2.413	0.015	0.017	0.009	2.454	8.758×10^3
30.0 GeV	3.011×10^4	2.464	0.024	0.029	0.013	2.531	1.277×10^4
40.0 GeV	4.011×10^4	2.499	0.034	0.043	0.017	2.593	1.667×10^4
80.0 GeV	8.011×10^4	2.577	0.077	0.104	0.034	2.792	3.151×10^4
100. GeV	1.001×10^5	2.602	0.100	0.137	0.042	2.881	3.856×10^4
140. GeV	1.401×10^5	2.638	0.147	0.206	0.058	3.049	5.205×10^4
200. GeV	2.001×10^5	2.676	0.221	0.315	0.082	3.294	7.097×10^4
300. GeV	3.001×10^5	2.719	0.348	0.498	0.123	3.689	9.964×10^4
400. GeV	4.001×10^5	2.750	0.480	0.690	0.164	4.084	1.254×10^5
796. GeV	7.959×10^5	2.824	1.022	1.473	0.330	5.648	*Muon critical energy*
800. GeV	8.001×10^5	2.824	1.027	1.481	0.331	5.665	2.082×10^5
1.00 TeV	1.000×10^6	2.849	1.310	1.889	0.416	6.464	2.412×10^5
1.40 TeV	1.400×10^6	2.885	1.878	2.701	0.590	8.055	2.966×10^5
2.00 TeV	2.000×10^6	2.925	2.750	3.945	0.855	10.475	3.617×10^5
3.00 TeV	3.000×10^6	2.970	4.210	6.015	1.309	14.505	4.425×10^5
4.00 TeV	4.000×10^6	3.003	5.693	8.111	1.772	18.580	5.033×10^5
8.00 TeV	8.000×10^6	3.084	11.694	16.551	3.696	35.026	6.575×10^5
10.0 TeV	1.000×10^7	3.110	14.726	20.800	4.687	43.324	7.088×10^5
14.0 TeV	1.400×10^7	3.151	20.778	29.267	6.728	59.924	7.870×10^5
20.0 TeV	2.000×10^7	3.194	29.928	42.034	9.862	85.019	8.706×10^5
30.0 TeV	3.000×10^7	3.245	45.152	63.281	15.299	126.977	9.662×10^5
40.0 TeV	4.000×10^7	3.281	60.447	84.593	20.878	169.199	1.034×10^6
80.0 TeV	8.000×10^7	3.371	121.766	169.907	44.274	339.317	1.198×10^6
100. TeV	1.000×10^8	3.400	152.498	212.611	56.396	424.905	1.251×10^6