Table 112: Muons in Bakelite ($(C_{43}H_{38}O_7)_n$)

$\langle Z/A\rangle$	ρ [g/cm^3]	I [eV]	a	$k = m_s$	x_0	x_1	$\overline{C}$	δ_0
0.52792	1.250	72.4	0.12713	3.3470	0.1471	2.6055	3.2582	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	7.609				7.610	7.260×10^{-1}
14.0 MeV	5.616×10^1	5.935				5.935	1.328×10^0
20.0 MeV	6.802×10^1	4.634				4.634	2.485×10^0
30.0 MeV	8.509×10^1	3.595				3.595	4.969×10^0
40.0 MeV	1.003×10^2	3.069				3.069	8.000×10^0
80.0 MeV	1.527×10^2	2.302				2.302	2.352×10^1
100. MeV	1.764×10^2	2.156				2.156	3.252×10^1
140. MeV	2.218×10^2	2.008				2.008	5.184×10^1
200. MeV	2.868×10^2	1.922				1.922	8.250×10^1
300. MeV	3.917×10^2	1.889			0.000	1.889	1.351×10^2
318. MeV	4.105×10^2	1.889			0.000	1.889	*Minimum ionization*
400. MeV	4.945×10^2	1.895			0.000	1.895	1.880×10^2
800. MeV	8.995×10^2	1.966	0.000		0.000	1.966	3.953×10^2
1.00 GeV	1.101×10^3	1.998	0.000		0.000	1.999	4.962×10^2
1.40 GeV	1.502×10^3	2.051	0.000		0.001	2.052	6.936×10^2
2.00 GeV	2.103×10^3	2.109	0.001	0.000	0.001	2.111	9.817×10^2
3.00 GeV	3.104×10^3	2.175	0.001	0.001	0.001	2.178	1.448×10^3
4.00 GeV	4.104×10^3	2.221	0.001	0.001	0.002	2.225	1.902×10^3
8.00 GeV	8.105×10^3	2.326	0.003	0.003	0.004	2.336	3.651×10^3
10.0 GeV	1.011×10^4	2.358	0.004	0.004	0.005	2.371	4.500×10^3
14.0 GeV	1.411×10^4	2.404	0.006	0.007	0.007	2.424	6.168×10^3
20.0 GeV	2.011×10^4	2.451	0.010	0.011	0.009	2.481	8.612×10^3
30.0 GeV	3.011×10^4	2.502	0.016	0.019	0.014	2.551	1.258×10^4
40.0 GeV	4.011×10^4	2.537	0.023	0.028	0.018	2.606	1.646×10^4
80.0 GeV	8.011×10^4	2.616	0.051	0.069	0.034	2.771	3.132×10^4
100. GeV	1.001×10^5	2.641	0.067	0.091	0.043	2.842	3.845×10^4
140. GeV	1.401×10^5	2.678	0.099	0.137	0.059	2.973	5.220×10^4
200. GeV	2.001×10^5	2.717	0.149	0.210	0.084	3.160	7.177×10^4
300. GeV	3.001×10^5	2.761	0.235	0.334	0.126	3.455	1.020×10^5
400. GeV	4.001×10^5	2.792	0.324	0.463	0.168	3.747	1.298×10^5
800. GeV	8.001×10^5	2.867	0.697	1.003	0.339	4.905	2.228×10^5
1.00 TeV	1.000×10^6	2.892	0.889	1.282	0.426	5.489	2.613×10^5
1.11 TeV	1.110×10^6	2.903	0.995	1.434	0.475	5.807	*Muon critical energy*
1.40 TeV	1.400×10^6	2.929	1.277	1.837	0.604	6.647	3.275×10^5
2.00 TeV	2.000×10^6	2.969	1.874	2.688	0.874	8.406	4.076×10^5
3.00 TeV	3.000×10^6	3.016	2.874	4.106	1.340	11.335	5.097×10^5
4.00 TeV	4.000×10^6	3.049	3.891	5.544	1.813	14.298	5.881×10^5
8.00 TeV	8.000×10^6	3.131	8.014	11.337	3.786	26.268	7.914×10^5
10.0 TeV	1.000×10^7	3.158	10.100	14.255	4.802	32.315	8.599×10^5
14.0 TeV	1.400×10^7	3.199	14.262	20.069	6.896	44.425	9.651×10^5
20.0 TeV	2.000×10^7	3.243	20.559	28.839	10.113	62.755	1.078×10^6
30.0 TeV	3.000×10^7	3.294	31.044	43.431	15.700	93.469	1.208×10^6
40.0 TeV	4.000×10^7	3.331	41.587	58.071	21.434	124.423	1.300×10^6
80.0 TeV	8.000×10^7	3.422	83.847	116.682	45.505	249.456	1.523×10^6
100. TeV	1.000×10^8	3.452	105.028	146.023	57.986	312.489	1.595×10^6