Muons in anthracene ($C_{14}H_{10}$)

$\langle Z/A \rangle$	ρ [g/cm^3]	I [eV]	a	$k = m_s$	x_0	x_1	$\overline{C}$	δ_0
0.52740	1.283	69.5	0.14677	3.2831	0.1146	2.5213	3.1514	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	7.642				7.642	7.227×10^{-1}
14.0 MeV	5.616×10^1	5.959				5.959	1.322×10^0
20.0 MeV	6.802×10^1	4.652				4.652	2.474×10^0
30.0 MeV	8.509×10^1	3.608				3.608	4.950×10^0
40.0 MeV	1.003×10^2	3.080				3.080	7.969×10^0
80.0 MeV	1.527×10^2	2.305				2.305	2.345×10^1
100. MeV	1.764×10^2	2.159				2.159	3.244×10^1
140. MeV	2.218×10^2	2.010				2.010	5.173×10^1
200. MeV	2.868×10^2	1.923				1.924	8.237×10^1
300. MeV	3.917×10^2	1.890			0.000	1.890	1.350×10^2
318. MeV	4.105×10^2	1.889			0.000	1.890	*Minimum ionization*
400. MeV	4.945×10^2	1.895			0.000	1.895	1.878×10^2
800. MeV	8.995×10^2	1.965	0.000		0.000	1.966	3.952×10^2
1.00 GeV	1.101×10^3	1.997	0.000		0.000	1.998	4.961×10^2
1.40 GeV	1.502×10^3	2.049	0.000		0.001	2.050	6.936×10^2
2.00 GeV	2.103×10^3	2.107	0.000	0.000	0.001	2.109	9.819×10^2
3.00 GeV	3.104×10^3	2.173	0.001	0.001	0.001	2.175	1.448×10^3
4.00 GeV	4.104×10^3	2.218	0.001	0.001	0.002	2.222	1.903×10^3
8.00 GeV	8.105×10^3	2.322	0.003	0.003	0.004	2.332	3.655×10^3
10.0 GeV	1.011×10^4	2.354	0.004	0.004	0.005	2.367	4.506×10^3
14.0 GeV	1.411×10^4	2.400	0.006	0.006	0.007	2.419	6.176×10^3
20.0 GeV	2.011×10^4	2.447	0.009	0.011	0.009	2.476	8.626×10^3
30.0 GeV	3.011×10^4	2.498	0.015	0.018	0.014	2.545	1.261×10^4
40.0 GeV	4.011×10^4	2.532	0.022	0.027	0.018	2.599	1.649×10^4
80.0 GeV	8.011×10^4	2.612	0.049	0.066	0.034	2.761	3.140×10^4
100. GeV	1.001×10^5	2.636	0.064	0.087	0.043	2.830	3.855×10^4
140. GeV	1.401×10^5	2.673	0.094	0.131	0.059	2.958	5.237×10^4
200. GeV	2.001×10^5	2.712	0.142	0.201	0.084	3.139	7.206×10^4
300. GeV	3.001×10^5	2.756	0.224	0.319	0.126	3.426	1.025×10^5
400. GeV	4.001×10^5	2.787	0.310	0.443	0.168	3.708	1.306×10^5
800. GeV	8.001×10^5	2.862	0.666	0.959	0.340	4.827	2.248×10^5
1.00 TeV	1.000×10^6	2.887	0.851	1.226	0.427	5.390	2.640×10^5
1.15 TeV	1.149×10^6	2.902	0.987	1.422	0.493	5.805	*Muon critical energy*
1.40 TeV	1.400×10^6	2.924	1.222	1.758	0.605	6.509	3.315×10^5
2.00 TeV	2.000×10^6	2.964	1.793	2.573	0.876	8.207	4.134×10^5
3.00 TeV	3.000×10^6	3.011	2.751	3.930	1.343	11.035	5.181×10^5
4.00 TeV	4.000×10^6	3.044	3.725	5.308	1.818	13.895	5.987×10^5
8.00 TeV	8.000×10^6	3.126	7.675	10.857	3.796	25.454	8.083×10^5
10.0 TeV	1.000×10^7	3.153	9.673	13.653	4.815	31.294	8.790×10^5
14.0 TeV	1.400×10^7	3.194	13.661	19.223	6.915	42.993	9.877×10^5
20.0 TeV	2.000×10^7	3.238	19.695	27.626	10.142	60.701	1.105×10^6
30.0 TeV	3.000×10^7	3.289	29.742	41.606	15.745	90.382	1.239×10^6
40.0 TeV	4.000×10^7	3.326	39.846	55.632	21.497	120.300	1.334×10^6
80.0 TeV	8.000×10^7	3.417	80.336	111.787	45.645	241.186	1.565×10^6
100. TeV	1.000×10^8	3.447	100.629	139.899	58.167	302.142	1.639×10^6