

Muons in adenine (C₅H₅N₅)

	$\langle Z/A \rangle$	ρ [g/cm ³]	I [eV]	a	$k = m_s$	x_0	x_1	\bar{C}	δ_0
	0.51903	1.350	71.4	0.20908	3.0271	0.1295	2.4219	3.1724	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	7.495				7.495			7.371×10^{-1}
14.0 MeV	5.616×10^1	5.845				5.845			1.348×10^0
20.0 MeV	6.802×10^1	4.564				4.564			2.523×10^0
30.0 MeV	8.509×10^1	3.540				3.540			5.046×10^0
40.0 MeV	1.003×10^2	3.022				3.022			8.123×10^0
80.0 MeV	1.527×10^2	2.264				2.264			2.389×10^1
100. MeV	1.764×10^2	2.119				2.120			3.305×10^1
140. MeV	2.218×10^2	1.972				1.972			5.271×10^1
200. MeV	2.868×10^2	1.887				1.887			8.393×10^1
300. MeV	3.917×10^2	1.854			0.000	1.855			1.375×10^2
318. MeV	4.105×10^2	1.854			0.000	1.854			<i>Minimum ionization</i>
400. MeV	4.945×10^2	1.860			0.000	1.860			1.914×10^2
800. MeV	8.995×10^2	1.929	0.000		0.000	1.930			4.027×10^2
1.00 GeV	1.101×10^3	1.961	0.000		0.000	1.962			5.055×10^2
1.40 GeV	1.502×10^3	2.013	0.000		0.001	2.014			7.066×10^2
2.00 GeV	2.103×10^3	2.070	0.001	0.000	0.001	2.072			1.000×10^3
3.00 GeV	3.104×10^3	2.135	0.001	0.001	0.001	2.138			1.475×10^3
4.00 GeV	4.104×10^3	2.180	0.001	0.001	0.002	2.184			1.937×10^3
8.00 GeV	8.105×10^3	2.283	0.003	0.003	0.004	2.293			3.719×10^3
10.0 GeV	1.011×10^4	2.314	0.004	0.004	0.005	2.328			4.584×10^3
14.0 GeV	1.411×10^4	2.360	0.006	0.007	0.007	2.380			6.283×10^3
20.0 GeV	2.011×10^4	2.406	0.010	0.011	0.009	2.436			8.773×10^3
30.0 GeV	3.011×10^4	2.455	0.016	0.020	0.013	2.505			1.282×10^4
40.0 GeV	4.011×10^4	2.489	0.023	0.029	0.018	2.560			1.676×10^4
80.0 GeV	8.011×10^4	2.568	0.053	0.071	0.034	2.727			3.188×10^4
100. GeV	1.001×10^5	2.592	0.069	0.094	0.042	2.798			3.912×10^4
140. GeV	1.401×10^5	2.628	0.102	0.142	0.059	2.931			5.308×10^4
200. GeV	2.001×10^5	2.666	0.154	0.217	0.084	3.121			7.291×10^4
300. GeV	3.001×10^5	2.709	0.242	0.345	0.125	3.422			1.035×10^5
400. GeV	4.001×10^5	2.740	0.335	0.479	0.167	3.720			1.315×10^5
800. GeV	8.001×10^5	2.814	0.719	1.035	0.338	4.905			2.248×10^5
1.00 TeV	1.000×10^6	2.838	0.917	1.322	0.424	5.502			2.633×10^5
1.06 TeV	1.064×10^6	2.845	0.980	1.413	0.452	5.691			<i>Muon critical energy</i>
1.40 TeV	1.400×10^6	2.875	1.317	1.895	0.602	6.689			3.292×10^5
2.00 TeV	2.000×10^6	2.915	1.931	2.772	0.871	8.490			4.086×10^5
3.00 TeV	3.000×10^6	2.960	2.961	4.233	1.335	11.490			5.095×10^5
4.00 TeV	4.000×10^6	2.993	4.009	5.715	1.806	14.524			5.868×10^5
8.00 TeV	8.000×10^6	3.073	8.254	11.683	3.771	26.781			7.865×10^5
10.0 TeV	1.000×10^7	3.100	10.400	14.690	4.783	32.973			8.537×10^5
14.0 TeV	1.400×10^7	3.140	14.683	20.680	6.867	45.371			9.567×10^5
20.0 TeV	2.000×10^7	3.184	21.163	29.715	10.071	64.133			1.067×10^6
30.0 TeV	3.000×10^7	3.234	31.952	44.748	15.632	95.566			1.194×10^6
40.0 TeV	4.000×10^7	3.270	42.798	59.831	21.340	127.240			1.285×10^6
80.0 TeV	8.000×10^7	3.360	86.287	120.213	45.297	255.156			1.502×10^6
100. TeV	1.000×10^8	3.389	108.087	150.440	57.716	319.633			1.572×10^6