Muons in acetone (CH_3COCH_3)

$\langle Z/A \rangle$	ρ [g/cm^3]	I [eV]	a	$k = m_s$	x_0	x_1	$\overline{C}$	δ_0
0.55097	0.790	64.2	0.11100	3.4047	0.2197	2.6928	3.4341	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	8.065				8.065	6.843×10^{-1}
14.0 MeV	5.616×10^1	6.286				6.286	1.252×10^0
20.0 MeV	6.802×10^1	4.906				4.906	2.345×10^0
30.0 MeV	8.509×10^1	3.803				3.803	4.693×10^0
40.0 MeV	1.003×10^2	3.246				3.246	7.557×10^0
80.0 MeV	1.527×10^2	2.434				2.434	2.224×10^1
100. MeV	1.764×10^2	2.288				2.288	3.074×10^1
140. MeV	2.218×10^2	2.130				2.130	4.894×10^1
200. MeV	2.868×10^2	2.039				2.039	7.784×10^1
300. MeV	3.917×10^2	2.003			0.000	2.004	1.275×10^2
318. MeV	4.105×10^2	2.003			0.000	2.003	*Minimum ionization*
400. MeV	4.945×10^2	2.009			0.000	2.009	1.774×10^2
800. MeV	8.995×10^2	2.083	0.000		0.000	2.083	3.729×10^2
1.00 GeV	1.101×10^3	2.117	0.000		0.000	2.118	4.681×10^2
1.40 GeV	1.502×10^3	2.172	0.000		0.001	2.173	6.545×10^2
2.00 GeV	2.103×10^3	2.233	0.001	0.000	0.001	2.235	9.265×10^2
3.00 GeV	3.104×10^3	2.303	0.001	0.001	0.001	2.306	1.366×10^3
4.00 GeV	4.104×10^3	2.351	0.001	0.001	0.002	2.356	1.795×10^3
8.00 GeV	8.105×10^3	2.462	0.003	0.003	0.004	2.472	3.448×10^3
10.0 GeV	1.011×10^4	2.495	0.004	0.004	0.005	2.509	4.251×10^3
14.0 GeV	1.411×10^4	2.544	0.006	0.007	0.007	2.564	5.827×10^3
20.0 GeV	2.011×10^4	2.593	0.010	0.011	0.009	2.624	8.139×10^3
30.0 GeV	3.011×10^4	2.646	0.016	0.020	0.014	2.696	1.190×10^4
40.0 GeV	4.011×10^4	2.683	0.023	0.029	0.018	2.752	1.557×10^4
80.0 GeV	8.011×10^4	2.766	0.052	0.070	0.035	2.922	2.965×10^4
100. GeV	1.001×10^5	2.792	0.067	0.092	0.043	2.994	3.641×10^4
140. GeV	1.401×10^5	2.830	0.100	0.138	0.059	3.128	4.947×10^4
200. GeV	2.001×10^5	2.871	0.150	0.212	0.084	3.317	6.809×10^4
300. GeV	3.001×10^5	2.916	0.237	0.337	0.126	3.617	9.695×10^4
400. GeV	4.001×10^5	2.949	0.327	0.468	0.168	3.913	1.235×10^5
800. GeV	8.001×10^5	3.028	0.704	1.013	0.340	5.085	2.129×10^5
1.00 TeV	1.000×10^6	3.053	0.899	1.295	0.427	5.674	2.502×10^5
1.16 TeV	1.160×10^6	3.070	1.055	1.518	0.498	6.141	*Muon critical energy*
1.40 TeV	1.400×10^6	3.092	1.292	1.856	0.606	6.845	3.142×10^5
2.00 TeV	2.000×10^6	3.134	1.895	2.716	0.877	8.622	3.922×10^5
3.00 TeV	3.000×10^6	3.182	2.907	4.148	1.344	11.582	4.919×10^5
4.00 TeV	4.000×10^6	3.217	3.938	5.601	1.819	14.576	5.687×10^5
8.00 TeV	8.000×10^6	3.303	8.112	11.455	3.798	26.669	7.687×10^5
10.0 TeV	1.000×10^7	3.331	10.225	14.404	4.818	32.778	8.362×10^5
14.0 TeV	1.400×10^7	3.374	14.441	20.280	6.919	45.014	9.399×10^5
20.0 TeV	2.000×10^7	3.420	20.821	29.143	10.149	63.532	1.052×10^6
30.0 TeV	3.000×10^7	3.473	31.445	43.888	15.757	94.563	1.180×10^6
40.0 TeV	4.000×10^7	3.512	42.128	58.682	21.513	125.836	1.271×10^6
80.0 TeV	8.000×10^7	3.607	84.965	117.910	45.684	252.166	1.491×10^6
100. TeV	1.000×10^8	3.638	106.440	147.560	58.218	315.857	1.562×10^6