Muons in dimethyl sulfoxide $(CH_3)_2SO$

$\langle Z/A \rangle$	ρ [g/cm^3]	I [eV]	a	$k = m_s$	x_0	x_1	$\overline{C}$	δ_0
0.53757	1.101	98.6	0.06619	3.5708	0.2021	3.1263	3.9844	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	7.440				7.440	7.447×10^{-1}
14.0 MeV	5.616×10^1	5.812				5.812	1.359×10^0
20.0 MeV	6.802×10^1	4.545				4.545	2.540×10^0
30.0 MeV	8.509×10^1	3.531				3.531	5.071×10^0
40.0 MeV	1.003×10^2	3.017				3.018	8.155×10^0
80.0 MeV	1.527×10^2	2.270				2.270	2.392×10^1
100. MeV	1.764×10^2	2.135				2.135	3.303×10^1
140. MeV	2.218×10^2	1.993				1.993	5.251×10^1
200. MeV	2.868×10^2	1.914				1.914	8.334×10^1
300. MeV	3.917×10^2	1.887			0.000	1.888	1.361×10^2
300. MeV	3.919×10^2	1.887			0.000	1.888	*Minimum ionization*
400. MeV	4.945×10^2	1.897			0.000	1.898	1.890×10^2
800. MeV	8.995×10^2	1.979	0.000		0.000	1.979	3.954×10^2
1.00 GeV	1.101×10^3	2.014	0.000		0.000	2.015	4.955×10^2
1.40 GeV	1.502×10^3	2.072	0.000	0.000	0.001	2.073	6.911×10^2
2.00 GeV	2.103×10^3	2.135	0.001	0.000	0.001	2.137	9.759×10^2
3.00 GeV	3.104×10^3	2.207	0.001	0.001	0.001	2.210	1.435×10^3
4.00 GeV	4.104×10^3	2.256	0.002	0.002	0.002	2.262	1.882×10^3
8.00 GeV	8.105×10^3	2.369	0.005	0.005	0.004	2.383	3.600×10^3
10.0 GeV	1.011×10^4	2.403	0.006	0.006	0.005	2.421	4.432×10^3
14.0 GeV	1.411×10^4	2.453	0.010	0.011	0.006	2.480	6.064×10^3
20.0 GeV	2.011×10^4	2.502	0.015	0.017	0.009	2.544	8.451×10^3
30.0 GeV	3.011×10^4	2.555	0.025	0.030	0.013	2.624	1.232×10^4
40.0 GeV	4.011×10^4	2.591	0.035	0.045	0.017	2.688	1.608×10^4
80.0 GeV	8.011×10^4	2.673	0.079	0.107	0.034	2.894	3.040×10^4
100. GeV	1.001×10^5	2.698	0.103	0.141	0.042	2.985	3.720×10^4
140. GeV	1.401×10^5	2.736	0.152	0.212	0.058	3.158	5.023×10^4
200. GeV	2.001×10^5	2.775	0.228	0.323	0.082	3.409	6.851×10^4
300. GeV	3.001×10^5	2.820	0.359	0.513	0.123	3.816	9.622×10^4
400. GeV	4.001×10^5	2.852	0.495	0.710	0.164	4.222	1.211×10^5
800. GeV	8.001×10^5	2.929	1.061	1.527	0.332	5.848	2.013×10^5
802. GeV	8.025×10^5	2.929	1.064	1.532	0.333	5.858	*Muon critical energy*
1.00 TeV	1.000×10^6	2.954	1.352	1.947	0.417	6.670	2.333×10^5
1.40 TeV	1.400×10^6	2.992	1.939	2.785	0.591	8.307	2.869×10^5
2.00 TeV	2.000×10^6	3.033	2.839	4.068	0.856	10.796	3.501×10^5
3.00 TeV	3.000×10^6	3.080	4.346	6.202	1.311	14.939	4.285×10^5
4.00 TeV	4.000×10^6	3.114	5.878	8.364	1.773	19.129	4.875×10^5
8.00 TeV	8.000×10^6	3.197	12.073	17.067	3.700	36.037	6.374×10^5
10.0 TeV	1.000×10^7	3.224	15.203	21.448	4.692	44.567	6.872×10^5
14.0 TeV	1.400×10^7	3.266	21.453	30.179	6.734	61.632	7.633×10^5
20.0 TeV	2.000×10^7	3.311	30.901	43.343	9.872	87.428	8.446×10^5
30.0 TeV	3.000×10^7	3.363	46.620	65.252	15.314	130.550	9.376×10^5
40.0 TeV	4.000×10^7	3.401	62.415	87.227	20.898	173.941	1.004×10^6
80.0 TeV	8.000×10^7	3.494	125.746	175.196	44.321	348.758	1.163×10^6
100. TeV	1.000×10^8	3.524	157.493	219.230	56.458	436.705	1.214×10^6