Table 147: Muons in Dichlorodiethyl ether $C_4Cl_2H_8O$

$\langle Z/A \rangle$	ρ [g/cm^3]	I [eV]	a	$k = m_s$	x_0	x_1	$\overline{C}$	δ_0
0.51744	1.220	103.3	0.06799	3.5250	0.1773	3.1586	4.0135	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	7.117				7.117	7.789×10^{-1}
14.0 MeV	5.616×10^1	5.561				5.561	1.421×10^0
20.0 MeV	6.802×10^1	4.349				4.349	2.655×10^0
30.0 MeV	8.509×10^1	3.380				3.380	5.300×10^0
40.0 MeV	1.003×10^2	2.889				2.889	8.521×10^0
80.0 MeV	1.527×10^2	2.174				2.174	2.499×10^1
100. MeV	1.764×10^2	2.042				2.042	3.450×10^1
140. MeV	2.218×10^2	1.907				1.907	5.486×10^1
200. MeV	2.868×10^2	1.832				1.832	8.708×10^1
298. MeV	3.894×10^2	1.807			0.000	1.807	*Minimum ionization*
300. MeV	3.917×10^2	1.807			0.000	1.807	1.422×10^2
400. MeV	4.945×10^2	1.817			0.000	1.817	1.974×10^2
800. MeV	8.995×10^2	1.895	0.000		0.000	1.896	4.129×10^2
1.00 GeV	1.101×10^3	1.930	0.000		0.000	1.931	5.174×10^2
1.40 GeV	1.502×10^3	1.986	0.001	0.000	0.001	1.987	7.215×10^2
2.00 GeV	2.103×10^3	2.047	0.001	0.000	0.001	2.049	1.019×10^3
3.00 GeV	3.104×10^3	2.116	0.001	0.001	0.001	2.120	1.498×10^3
4.00 GeV	4.104×10^3	2.165	0.002	0.002	0.002	2.170	1.964×10^3
8.00 GeV	8.105×10^3	2.274	0.005	0.005	0.004	2.288	3.753×10^3
10.0 GeV	1.011×10^4	2.307	0.007	0.007	0.005	2.326	4.619×10^3
14.0 GeV	1.411×10^4	2.355	0.010	0.011	0.006	2.383	6.317×10^3
20.0 GeV	2.011×10^4	2.403	0.016	0.019	0.009	2.447	8.800×10^3
30.0 GeV	3.011×10^4	2.454	0.027	0.033	0.013	2.527	1.282×10^4
40.0 GeV	4.011×10^4	2.489	0.038	0.048	0.017	2.592	1.672×10^4
80.0 GeV	8.011×10^4	2.568	0.085	0.115	0.033	2.802	3.154×10^4
100. GeV	1.001×10^5	2.592	0.110	0.152	0.041	2.896	3.856×10^4
140. GeV	1.401×10^5	2.628	0.163	0.228	0.057	3.077	5.196×10^4
200. GeV	2.001×10^5	2.666	0.244	0.348	0.081	3.341	7.067×10^4
300. GeV	3.001×10^5	2.709	0.385	0.551	0.122	3.768	9.883×10^4
400. GeV	4.001×10^5	2.740	0.530	0.762	0.163	4.195	1.240×10^5
730. GeV	7.297×10^5	2.804	1.026	1.479	0.299	5.608	*Muon critical energy*
800. GeV	8.001×10^5	2.814	1.134	1.635	0.329	5.912	2.039×10^5
1.00 TeV	1.000×10^6	2.838	1.445	2.084	0.413	6.781	2.355×10^5
1.40 TeV	1.400×10^6	2.875	2.072	2.980	0.586	8.512	2.880×10^5
2.00 TeV	2.000×10^6	2.914	3.032	4.350	0.848	11.145	3.495×10^5
3.00 TeV	3.000×10^6	2.959	4.640	6.630	1.299	15.529	4.252×10^5
4.00 TeV	4.000×10^6	2.992	6.274	8.939	1.757	19.963	4.818×10^5
8.00 TeV	8.000×10^6	3.072	12.880	18.232	3.665	37.850	6.249×10^5
10.0 TeV	1.000×10^7	3.099	16.217	22.909	4.647	46.873	6.723×10^5
14.0 TeV	1.400×10^7	3.139	22.879	32.231	6.670	64.919	7.445×10^5
20.0 TeV	2.000×10^7	3.182	32.949	46.286	9.775	92.192	8.217×10^5
30.0 TeV	3.000×10^7	3.232	49.700	69.678	15.160	137.771	9.099×10^5
40.0 TeV	4.000×10^7	3.269	66.529	93.140	20.685	183.623	9.725×10^5
80.0 TeV	8.000×10^7	3.358	134.000	187.059	43.847	368.264	1.123×10^6
100. TeV	1.000×10^8	3.387	167.818	234.069	55.844	461.119	1.172×10^6