Table 293: Muons in Solid carbon dioxide (dry ice; CO_2)

$\langle Z/A \rangle$	ρ [g/cm^3]	I [eV]	a	$k = m_s$	x_0	x_1	$\overline{C}$	δ_0
0.49989	1.563	85.0	0.43387	3.0000	0.2000	2.0000	3.4513	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}	7.057				7.057	7.841×10^{-1}
14.0 MeV	5.616×10^{1}	5.508				5.508	1.432×10^{0}
20.0 MeV	6.802×10^{1}	4.304				4.304	2.679×10^{0}
30.0 MeV	8.509×10^{1}	3.341				3.341	5.353×10^{0}
40.0 MeV	1.003×10^{2}	2.854				2.854	8.612×10^{0}
80.0 MeV	1.527×10^{2}	2.145				2.145	2.529×10^{1}
100. MeV	1.764×10^{2}	2.017				2.017	3.493×10^{1}
140. MeV	2.218×10^{2}	1.886				1.886	5.554×10^{1}
200. MeV	2.868×10^{2}	1.812				1.812	8.811×10^{1}
300. MeV	3.917×10^{2}	1.787			0.000	1.787	1.438×10^{2}
303. MeV	3.950×10^{2}	1.787			0.000	1.787	*Minimum ionization*
400. MeV	4.945×10^{2}	1.795			0.000	1.795	1.997×10^{2}
800. MeV	8.995×10^{2}	1.866	0.000		0.000	1.866	4.182×10^{2}
1.00 GeV	1.101×10^{3}	1.896	0.000		0.000	1.897	5.245×10^{2}
1.40 GeV	1.502×10^{3}	1.946	0.000		0.001	1.947	7.325×10^{2}
2.00 GeV	2.103×10^{3}	1.999	0.001	0.000	0.001	2.001	1.036×10^{3}
3.00 GeV	3.104×10^{3}	2.060	0.001	0.001	0.001	2.063	1.528×10^{3}
4.00 GeV	4.104×10^{3}	2.101	0.002	0.001	0.002	2.106	2.007×10^{3}
8.00 GeV	8.105×10^{3}	2.196	0.004	0.003	0.004	2.207	3.857×10^{3}
10.0 GeV	1.011×10^{4}	2.225	0.005	0.005	0.005	2.240	4.757×10^{3}
14.0 GeV	1.411×10^{4}	2.268	0.007	0.008	0.007	2.290	6.522×10^{3}
20.0 GeV	2.011×10^{4}	2.312	0.011	0.013	0.009	2.345	9.110×10^{3}
30.0 GeV	3.011×10^{4}	2.359	0.019	0.023	0.013	2.415	1.331×10^{4}
40.0 GeV	4.011×10^{4}	2.392	0.027	0.034	0.017	2.470	1.740×10^{4}
80.0 GeV	8.011×10^{4}	2.468	0.061	0.081	0.034	2.644	3.303×10^{4}
100. GeV	1.001×10^{5}	2.491	0.079	0.107	0.042	2.719	4.049×10^{4}
140. GeV	1.401×10^{5}	2.526	0.116	0.161	0.058	2.862	5.482×10^{4}
200. GeV	2.001×10^{5}	2.563	0.174	0.247	0.083	3.067	7.507×10^{4}
300. GeV	3.001×10^{5}	2.604	0.275	0.392	0.124	3.395	1.060×10^{5}
400. GeV	4.001×10^{5}	2.634	0.379	0.543	0.165	3.722	1.342×10^{5}
800. GeV	8.001×10^{5}	2.705	0.813	1.172	0.334	5.025	2.263×10^{5}
927. GeV	9.270×10^{5}	2.720	0.955	1.377	0.388	5.441	*Muon critical energy*
1.00 TeV	1.000×10^{6}	2.728	1.037	1.497	0.420	5.683	2.637×10^{5}
1.40 TeV	1.400×10^{6}	2.764	1.489	2.143	0.595	6.991	3.271×10^{5}
2.00 TeV	2.000×10^{6}	2.802	2.181	3.133	0.862	8.978	4.026×10^{5}
3.00 TeV	3.000×10^{6}	2.846	3.342	4.781	1.320	12.289	4.975×10^{5}
4.00 TeV	4.000×10^{6}	2.877	4.523	6.451	1.786	15.638	5.695×10^{5}
8.00 TeV	8.000×10^{6}	2.955	9.300	13.178	3.728	29.160	7.539×10^{5}
10.0 TeV	1.000×10^{7}	2.980	11.714	16.565	4.728	35.988	8.155×10^{5}
14.0 TeV	1.400×10^{7}	3.019	16.532	23.316	6.787	49.654	9.097×10^{5}
20.0 TeV	2.000×10^{7}	3.061	23.817	33.496	9.949	70.324	1.011×10^{6}
30.0 TeV	3.000×10^{7}	3.110	35.946	50.437	15.437	104.930	1.126×10^{6}
40.0 TeV	4.000×10^{7}	3.144	48.136	67.432	21.069	139.781	1.209×10^{6}
80.0 TeV	8.000×10^{7}	3.231	97.010	135.468	44.687	280.396	1.407×10^{6}
100. TeV	1.000×10^{8}	3.259	121.509	169.526	56.926	351.220	1.471×10^{6}