Muons in nitrous oxide (N_2O)

$\langle Z/A \rangle$	ρ [g/cm^3]	I [eV]	a	$k = m_s$	x_0	x_1	$\overline{C}$	δ_0
0.49985	1.831×10^{-3}	84.9	0.11992	3.3318	1.6477	4.1565	10.1575	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	7.057				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	2.018				2.018	3.493×10^1
140. MeV	2.218×10^2	1.894				1.894	5.549×10^1
200. MeV	2.868×10^2	1.831				1.831	8.783×10^1
257. MeV	3.471×10^2	1.819			0.000	1.820	*Minimum ionization*
300. MeV	3.917×10^2	1.823			0.000	1.823	1.427×10^2
400. MeV	4.945×10^2	1.848			0.000	1.848	1.972×10^2
800. MeV	8.995×10^2	1.972	0.000		0.000	1.972	4.066×10^2
1.00 GeV	1.101×10^3	2.024	0.000		0.000	2.025	5.066×10^2
1.40 GeV	1.502×10^3	2.109	0.000		0.001	2.111	6.999×10^2
2.00 GeV	2.103×10^3	2.206	0.001	0.000	0.001	2.208	9.775×10^2
3.00 GeV	3.104×10^3	2.319	0.001	0.001	0.001	2.322	1.418×10^3
4.00 GeV	4.104×10^3	2.401	0.001	0.001	0.002	2.405	1.841×10^3
8.00 GeV	8.105×10^3	2.569	0.004	0.003	0.004	2.580	3.438×10^3
10.0 GeV	1.011×10^4	2.617	0.005	0.005	0.005	2.632	4.205×10^3
14.0 GeV	1.411×10^4	2.685	0.007	0.008	0.007	2.707	5.703×10^3
20.0 GeV	2.011×10^4	2.751	0.011	0.013	0.009	2.785	7.886×10^3
30.0 GeV	3.011×10^4	2.820	0.019	0.023	0.013	2.875	1.142×10^4
40.0 GeV	4.011×10^4	2.865	0.026	0.033	0.017	2.942	1.485×10^4
80.0 GeV	8.011×10^4	2.961	0.060	0.081	0.034	3.136	2.799×10^4
100. GeV	1.001×10^5	2.990	0.078	0.106	0.042	3.216	3.429×10^4
140. GeV	1.401×10^5	3.030	0.115	0.160	0.058	3.363	4.645×10^4
200. GeV	2.001×10^5	3.071	0.173	0.244	0.083	3.571	6.375×10^4
300. GeV	3.001×10^5	3.116	0.272	0.388	0.124	3.900	9.053×10^4
400. GeV	4.001×10^5	3.147	0.376	0.538	0.165	4.225	1.152×10^5
800. GeV	8.001×10^5	3.220	0.805	1.160	0.334	5.520	1.977×10^5
1.00 TeV	1.000×10^6	3.243	1.027	1.482	0.420	6.172	2.320×10^5
1.10 TeV	1.104×10^6	3.253	1.142	1.646	0.465	6.507	*Muon critical energy*
1.40 TeV	1.400×10^6	3.278	1.474	2.122	0.595	7.470	2.908×10^5
2.00 TeV	2.000×10^6	3.316	2.160	3.102	0.862	9.441	3.621×10^5
3.00 TeV	3.000×10^6	3.360	3.310	4.734	1.321	12.725	4.530×10^5
4.00 TeV	4.000×10^6	3.392	4.479	6.388	1.787	16.046	5.229×10^5
8.00 TeV	8.000×10^6	3.469	9.210	13.050	3.729	29.459	7.041×10^5
10.0 TeV	1.000×10^7	3.495	11.601	16.406	4.730	36.232	7.652×10^5
14.0 TeV	1.400×10^7	3.534	16.373	23.091	6.789	49.787	8.591×10^5
20.0 TeV	2.000×10^7	3.576	23.588	33.174	9.953	70.291	9.600×10^5
30.0 TeV	3.000×10^7	3.624	35.600	49.952	15.444	104.621	1.076×10^6
40.0 TeV	4.000×10^7	3.659	47.674	66.783	21.078	139.195	1.158×10^6
80.0 TeV	8.000×10^7	3.745	96.093	134.165	44.711	278.716	1.358×10^6
100. TeV	1.000×10^8	3.774	120.368	167.896	56.957	348.996	1.422×10^6