Muons in sodium monoxide (Na_2O)

$\langle Z/A \rangle$	ρ [g/cm^3]	I [eV]	a	$k = m_s$	x_0	x_1	$\overline{C}$	δ_0
0.48404	2.270	148.8	0.07501	3.6943	0.1652	2.9793	4.1892	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	6.330				6.330	8.793×10^{-1}
14.0 MeV	5.616×10^1	4.955				4.956	1.601×10^0
20.0 MeV	6.802×10^1	3.883				3.884	2.984×10^0
30.0 MeV	8.509×10^1	3.024				3.024	5.943×10^0
40.0 MeV	1.003×10^2	2.588				2.588	9.541×10^0
80.0 MeV	1.527×10^2	1.954				1.954	2.789×10^1
100. MeV	1.764×10^2	1.840				1.840	3.846×10^1
140. MeV	2.218×10^2	1.725				1.725	6.102×10^1
200. MeV	2.868×10^2	1.663				1.664	9.656×10^1
283. MeV	3.738×10^2	1.646			0.000	1.647	*Minimum ionization*
300. MeV	3.917×10^2	1.647			0.000	1.647	1.571×10^2
400. MeV	4.945×10^2	1.659			0.000	1.660	2.177×10^2
800. MeV	8.995×10^2	1.738	0.000		0.000	1.738	4.531×10^2
1.00 GeV	1.101×10^3	1.771	0.000		0.000	1.772	5.670×10^2
1.40 GeV	1.502×10^3	1.823	0.000	0.000	0.001	1.825	7.893×10^2
2.00 GeV	2.103×10^3	1.881	0.001	0.000	0.001	1.883	1.113×10^3
3.00 GeV	3.104×10^3	1.945	0.001	0.001	0.001	1.949	1.634×10^3
4.00 GeV	4.104×10^3	1.990	0.002	0.001	0.002	1.995	2.141×10^3
8.00 GeV	8.105×10^3	2.090	0.005	0.004	0.004	2.103	4.087×10^3
10.0 GeV	1.011×10^4	2.121	0.006	0.006	0.005	2.138	5.030×10^3
14.0 GeV	1.411×10^4	2.164	0.009	0.010	0.006	2.191	6.877×10^3
20.0 GeV	2.011×10^4	2.208	0.015	0.017	0.009	2.249	9.579×10^3
30.0 GeV	3.011×10^4	2.256	0.024	0.029	0.013	2.322	1.395×10^4
40.0 GeV	4.011×10^4	2.288	0.034	0.043	0.017	2.382	1.820×10^4
80.0 GeV	8.011×10^4	2.361	0.077	0.104	0.033	2.575	3.432×10^4
100. GeV	1.001×10^5	2.384	0.100	0.137	0.041	2.662	4.196×10^4
140. GeV	1.401×10^5	2.418	0.147	0.205	0.057	2.827	5.654×10^4
200. GeV	2.001×10^5	2.453	0.221	0.313	0.081	3.069	7.690×10^4
300. GeV	3.001×10^5	2.493	0.347	0.497	0.122	3.459	1.076×10^5
400. GeV	4.001×10^5	2.522	0.479	0.687	0.162	3.850	1.350×10^5
735. GeV	7.354×10^5	2.583	0.935	1.348	0.300	5.165	*Muon critical energy*
800. GeV	8.001×10^5	2.591	1.024	1.478	0.327	5.421	2.221×10^5
1.00 TeV	1.000×10^6	2.614	1.306	1.886	0.412	6.217	2.565×10^5
1.40 TeV	1.400×10^6	2.648	1.872	2.696	0.583	7.800	3.139×10^5
2.00 TeV	2.000×10^6	2.685	2.740	3.937	0.845	10.207	3.809×10^5
3.00 TeV	3.000×10^6	2.727	4.194	6.001	1.294	14.216	4.636×10^5
4.00 TeV	4.000×10^6	2.758	5.671	8.093	1.750	18.272	5.255×10^5
8.00 TeV	8.000×10^6	2.833	11.645	16.511	3.650	34.638	6.819×10^5
10.0 TeV	1.000×10^7	2.857	14.662	20.748	4.627	42.895	7.337×10^5
14.0 TeV	1.400×10^7	2.895	20.686	29.194	6.639	59.415	8.126×10^5
20.0 TeV	2.000×10^7	2.936	29.792	41.929	9.728	84.386	8.969×10^5
30.0 TeV	3.000×10^7	2.983	44.938	63.122	15.085	126.129	9.932×10^5
40.0 TeV	4.000×10^7	3.016	60.153	84.380	20.580	168.130	1.062×10^6
80.0 TeV	8.000×10^7	3.100	121.170	169.478	43.606	337.353	1.226×10^6
100. TeV	1.000×10^8	3.127	151.757	212.073	55.529	422.487	1.279×10^6