Muons in sodium chloride (NaCl)

$\langle Z/A \rangle$	ρ [g/cm^3]	I [eV]	a	$k = m_s$	x_0	x_1	$\overline{C}$	δ_0
0.47910	2.170	175.3	0.15962	3.0000	0.1995	2.9995	4.4227	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	6.119				6.120	9.113×10^{-1}
14.0 MeV	5.616×10^1	4.795				4.795	1.657×10^0
20.0 MeV	6.802×10^1	3.762				3.762	3.086×10^0
30.0 MeV	8.509×10^1	2.931				2.931	6.139×10^0
40.0 MeV	1.003×10^2	2.511				2.511	9.848×10^0
80.0 MeV	1.527×10^2	1.898				1.898	2.875×10^1
100. MeV	1.764×10^2	1.787				1.787	3.963×10^1
140. MeV	2.218×10^2	1.673				1.673	6.287×10^1
200. MeV	2.868×10^2	1.611				1.611	9.955×10^1
283. MeV	3.738×10^2	1.594			0.000	1.594	*Minimum ionization*
300. MeV	3.917×10^2	1.594			0.000	1.595	1.621×10^2
400. MeV	4.945×10^2	1.607			0.000	1.607	2.246×10^2
800. MeV	8.995×10^2	1.687	0.000		0.000	1.687	4.674×10^2
1.00 GeV	1.101×10^3	1.721	0.000		0.000	1.721	5.847×10^2
1.40 GeV	1.502×10^3	1.775	0.001	0.000	0.001	1.776	8.133×10^2
2.00 GeV	2.103×10^3	1.834	0.001	0.001	0.001	1.837	1.145×10^3
3.00 GeV	3.104×10^3	1.902	0.002	0.001	0.001	1.906	1.679×10^3
4.00 GeV	4.104×10^3	1.948	0.003	0.002	0.002	1.955	2.197×10^3
8.00 GeV	8.105×10^3	2.053	0.006	0.006	0.004	2.070	4.178×10^3
10.0 GeV	1.011×10^4	2.085	0.008	0.009	0.005	2.107	5.136×10^3
14.0 GeV	1.411×10^4	2.131	0.013	0.014	0.006	2.164	7.008×10^3
20.0 GeV	2.011×10^4	2.176	0.020	0.023	0.009	2.228	9.738×10^3
30.0 GeV	3.011×10^4	2.224	0.033	0.040	0.013	2.310	1.414×10^4
40.0 GeV	4.011×10^4	2.257	0.046	0.059	0.017	2.379	1.841×10^4
80.0 GeV	8.011×10^4	2.330	0.105	0.142	0.032	2.610	3.443×10^4
100. GeV	1.001×10^5	2.352	0.136	0.187	0.040	2.716	4.194×10^4
140. GeV	1.401×10^5	2.386	0.200	0.280	0.056	2.922	5.614×10^4
200. GeV	2.001×10^5	2.421	0.300	0.428	0.079	3.228	7.567×10^4
300. GeV	3.001×10^5	2.461	0.471	0.676	0.119	3.728	1.045×10^5
400. GeV	4.001×10^5	2.489	0.649	0.934	0.159	4.231	1.296×10^5
561. GeV	5.606×10^5	2.522	0.941	1.359	0.223	5.045	*Muon critical energy*
800. GeV	8.001×10^5	2.558	1.385	2.000	0.320	6.264	2.069×10^5
1.00 TeV	1.000×10^6	2.580	1.765	2.547	0.403	7.295	2.364×10^5
1.40 TeV	1.400×10^6	2.614	2.527	3.639	0.571	9.351	2.847×10^5
2.00 TeV	2.000×10^6	2.650	3.696	5.308	0.826	12.481	3.401×10^5
3.00 TeV	3.000×10^6	2.692	5.652	8.083	1.265	17.693	4.071×10^5
4.00 TeV	4.000×10^6	2.723	7.638	10.893	1.711	22.964	4.566×10^5
8.00 TeV	8.000×10^6	2.797	15.660	22.198	3.565	44.221	5.799×10^5
10.0 TeV	1.000×10^7	2.821	19.710	27.887	4.519	54.937	6.204×10^5
14.0 TeV	1.400×10^7	2.859	27.796	39.227	6.480	76.362	6.819×10^5
20.0 TeV	2.000×10^7	2.899	40.015	56.319	9.491	108.724	7.474×10^5
30.0 TeV	3.000×10^7	2.945	60.331	84.772	14.707	162.755	8.221×10^5
40.0 TeV	4.000×10^7	2.979	80.733	113.306	20.056	217.073	8.751×10^5
80.0 TeV	8.000×10^7	3.061	162.536	227.526	42.447	435.571	1.003×10^6
100. TeV	1.000×10^8	3.088	203.536	284.696	54.034	545.355	1.044×10^6