Table 252: Muons in Sodium iodide (NaI)

$\langle Z/A \rangle$	ρ [g/cm^3]	I [eV]	a	$k = m_s$	x_0	x_1	$\overline{C}$	δ_0
0.42697	3.667	452.0	0.12516	3.0398	0.1203	3.5920	6.0572	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	4.703				4.703	1.202×10^0
14.0 MeV	5.616×10^1	3.710				3.710	2.169×10^0
20.0 MeV	6.802×10^1	2.928				2.928	4.009×10^0
30.0 MeV	8.509×10^1	2.297				2.297	7.917×10^0
40.0 MeV	1.003×10^2	1.975				1.975	1.264×10^1
80.0 MeV	1.527×10^2	1.509				1.509	3.652×10^1
100. MeV	1.764×10^2	1.427				1.427	5.019×10^1
140. MeV	2.218×10^2	1.347				1.348	7.916×10^1
200. MeV	2.868×10^2	1.310				1.310	1.245×10^2
243. MeV	3.325×10^2	1.305				1.305	*Minimum ionization*
300. MeV	3.917×10^2	1.310	0.000		0.000	1.310	2.010×10^2
400. MeV	4.945×10^2	1.329	0.000		0.000	1.330	2.768×10^2
800. MeV	8.995×10^2	1.417	0.001		0.000	1.418	5.677×10^2
1.00 GeV	1.101×10^3	1.452	0.001		0.000	1.453	7.070×10^2
1.40 GeV	1.502×10^3	1.507	0.002	0.000	0.001	1.509	9.768×10^2
2.00 GeV	2.103×10^3	1.567	0.003	0.001	0.001	1.571	1.366×10^3
3.00 GeV	3.104×10^3	1.634	0.004	0.003	0.001	1.643	1.987×10^3
4.00 GeV	4.104×10^3	1.681	0.006	0.005	0.002	1.694	2.586×10^3
8.00 GeV	8.105×10^3	1.786	0.016	0.015	0.003	1.821	4.855×10^3
10.0 GeV	1.011×10^4	1.817	0.021	0.022	0.004	1.864	5.940×10^3
14.0 GeV	1.411×10^4	1.862	0.032	0.035	0.006	1.935	8.045×10^3
20.0 GeV	2.011×10^4	1.907	0.050	0.057	0.008	2.022	1.108×10^4
30.0 GeV	3.011×10^4	1.955	0.082	0.099	0.011	2.148	1.587×10^4
40.0 GeV	4.011×10^4	1.986	0.115	0.145	0.015	2.263	2.040×10^4
80.0 GeV	8.011×10^4	2.056	0.260	0.349	0.030	2.696	3.657×10^4
100. GeV	1.001×10^5	2.078	0.337	0.459	0.037	2.911	4.370×10^4
140. GeV	1.401×10^5	2.108	0.495	0.685	0.051	3.341	5.652×10^4
200. GeV	2.001×10^5	2.140	0.742	1.043	0.073	4.000	7.292×10^4
228. GeV	2.283×10^5	2.152	0.860	1.210	0.083	4.305	*Muon critical energy*
300. GeV	3.001×10^5	2.176	1.164	1.642	0.109	5.093	9.503×10^4
400. GeV	4.001×10^5	2.201	1.601	2.263	0.145	6.211	1.128×10^5
800. GeV	8.001×10^5	2.262	3.404	4.809	0.294	10.770	1.611×10^5
1.00 TeV	1.000×10^6	2.282	4.330	6.113	0.369	13.095	1.779×10^5
1.40 TeV	1.400×10^6	2.312	6.187	8.712	0.523	17.735	2.041×10^5
2.00 TeV	2.000×10^6	2.345	9.028	12.679	0.756	24.809	2.326×10^5
3.00 TeV	3.000×10^6	2.382	13.772	19.272	1.157	36.584	2.656×10^5
4.00 TeV	4.000×10^6	2.409	18.579	25.936	1.563	48.489	2.892×10^5
8.00 TeV	8.000×10^6	2.475	37.966	52.724	3.250	96.417	3.466×10^5
10.0 TeV	1.000×10^7	2.497	47.737	66.191	4.116	120.543	3.651×10^5
14.0 TeV	1.400×10^7	2.530	67.227	93.061	5.895	168.714	3.931×10^5
20.0 TeV	2.000×10^7	2.566	96.636	133.539	8.622	241.364	4.226×10^5
30.0 TeV	3.000×10^7	2.608	145.594	200.886	13.335	362.424	4.562×10^5
40.0 TeV	4.000×10^7	2.638	194.730	268.395	18.162	483.926	4.800×10^5
80.0 TeV	8.000×10^7	2.711	391.580	538.619	38.319	971.231	5.372×10^5
100. TeV	1.000×10^8	2.735	490.176	673.855	48.733	1215.500	5.556×10^5