Muons in deuterium oxide (liquid) (D_2O)

$\langle Z/A \rangle$	ρ [g/cm^3]	I [eV]	a	$k = m_s$	x_0	x_1	$\overline{C}$	δ_0
0.49931	1.107	79.7	0.09116	3.4773	0.2400	2.8004	3.5017	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}	7.108				7.108	7.779×10^{-1}
14.0 MeV	5.616×10^{1}	5.546				5.546	1.422×10^{0}
20.0 MeV	6.802×10^{1}	4.333				4.333	2.660×10^{0}
30.0 MeV	8.509×10^{1}	3.362				3.362	5.316×10^{0}
40.0 MeV	1.003×10^{2}	2.872				2.872	8.556×10^{0}
80.0 MeV	1.527×10^{2}	2.157				2.157	2.514×10^{1}
100. MeV	1.764×10^{2}	2.029				2.029	3.472×10^{1}
140. MeV	2.218×10^{2}	1.892				1.892	5.523×10^{1}
200. MeV	2.868×10^{2}	1.812				1.812	8.775×10^{1}
300. MeV	3.917×10^{2}	1.782			0.000	1.782	1.436×10^{2}
317. MeV	4.096×10^{2}	1.782			0.000	1.782	*Minimum ionization*
400. MeV	4.945×10^{2}	1.788			0.000	1.788	1.996×10^{2}
800. MeV	8.995×10^{2}	1.856	0.000		0.000	1.857	4.192×10^{2}
1.00 GeV	1.101×10^{3}	1.887	0.000		0.000	1.888	5.260×10^{2}
1.40 GeV	1.502×10^{3}	1.938	0.000		0.001	1.939	7.349×10^{2}
2.00 GeV	2.103×10^{3}	1.994	0.001	0.000	0.001	1.995	1.040×10^{3}
3.00 GeV	3.104×10^{3}	2.057	0.001	0.001	0.001	2.060	1.532×10^{3}
4.00 GeV	4.104×10^{3}	2.101	0.001	0.001	0.002	2.106	2.012×10^{3}
8.00 GeV	8.105×10^{3}	2.202	0.003	0.003	0.004	2.213	3.860×10^{3}
10.0 GeV	1.011×10^{4}	2.233	0.005	0.005	0.005	2.247	4.756×10^{3}
14.0 GeV	1.411×10^{4}	2.277	0.007	0.007	0.007	2.298	6.516×10^{3}
20.0 GeV	2.011×10^{4}	2.322	0.011	0.012	0.009	2.354	9.093×10^{3}
30.0 GeV	3.011×10^{4}	2.370	0.018	0.022	0.014	2.423	1.328×10^{4}
40.0 GeV	4.011×10^{4}	2.403	0.025	0.032	0.018	2.478	1.736×10^{4}
80.0 GeV	8.011×10^{4}	2.478	0.057	0.077	0.035	2.647	3.295×10^{4}
100. GeV	1.001×10^{5}	2.502	0.074	0.101	0.043	2.721	4.040×10^{4}
140. GeV	1.401×10^{5}	2.537	0.110	0.152	0.060	2.859	5.474×10^{4}
200. GeV	2.001×10^{5}	2.573	0.165	0.233	0.084	3.057	7.503×10^{4}
300. GeV	3.001×10^{5}	2.615	0.261	0.371	0.127	3.374	1.062×10^{5}
400. GeV	4.001×10^{5}	2.644	0.360	0.515	0.169	3.688	1.345×10^{5}
800. GeV	8.001×10^{5}	2.716	0.775	1.112	0.341	4.944	2.278×10^{5}
967. GeV	9.666×10^{5}	2.735	0.953	1.370	0.413	5.471	*Muon critical energy*
1.00 TeV	1.000×10^{6}	2.739	0.989	1.422	0.428	5.578	2.659×10^{5}
1.40 TeV	1.400×10^{6}	2.774	1.421	2.037	0.607	6.839	3.306×10^{5}
2.00 TeV	2.000×10^{6}	2.812	2.084	2.981	0.879	8.757	4.079×10^{5}
3.00 TeV	3.000×10^{6}	2.856	3.198	4.552	1.347	11.953	5.053×10^{5}
4.00 TeV	4.000×10^{6}	2.888	4.332	6.145	1.822	15.188	5.794×10^{5}
8.00 TeV	8.000×10^{6}	2.965	8.926	12.564	3.805	28.262	7.695×10^{5}
10.0 TeV	1.000×10^{7}	2.991	11.251	15.798	4.827	34.867	8.331×10^{5}
14.0 TeV	1.400×10^{7}	3.029	15.893	22.239	6.933	48.095	9.303×10^{5}
20.0 TeV	2.000×10^{7}	3.071	22.918	31.956	10.170	68.116	1.035×10^{6}
30.0 TeV	3.000×10^{7}	3.120	34.617	48.122	15.791	101.651	1.154×10^{6}
40.0 TeV	4.000×10^{7}	3.155	46.383	64.341	21.562	135.441	1.239×10^{6}
80.0 TeV	8.000×10^{7}	3.241	93.597	129.271	45.796	271.904	1.443×10^{6}
100. TeV	1.000×10^{8}	3.269	117.280	161.774	58.364	340.687	1.509×10^{6}