Muons in cadmium tungstate ($CdWO_4$)

$\langle Z/A \rangle$	ρ [g/cm^3]	I [eV]	a	$k = m_s$	x_0	x_1	$\overline{C}$	δ_0
0.42747	7.900	468.3	0.12861	2.9150	0.0123	3.5941	5.3594	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	4.680				4.680	1.208×10^0
14.0 MeV	5.616×10^1	3.693				3.693	2.180×10^0
20.0 MeV	6.802×10^1	2.916				2.916	4.028×10^0
30.0 MeV	8.509×10^1	2.288				2.288	7.952×10^0
40.0 MeV	1.003×10^2	1.968				1.968	1.269×10^1
80.0 MeV	1.527×10^2	1.496				1.496	3.671×10^1
100. MeV	1.764×10^2	1.411				1.412	5.050×10^1
140. MeV	2.218×10^2	1.329				1.329	7.985×10^1
200. MeV	2.868×10^2	1.287				1.288	1.259×10^2
253. MeV	3.431×10^2	1.280	0.000			1.281	*Minimum ionization*
300. MeV	3.917×10^2	1.283	0.000		0.000	1.284	2.039×10^2
400. MeV	4.945×10^2	1.300	0.000		0.000	1.301	2.813×10^2
800. MeV	8.995×10^2	1.382	0.001		0.000	1.383	5.792×10^2
1.00 GeV	1.101×10^3	1.415	0.001		0.000	1.416	7.221×10^2
1.40 GeV	1.502×10^3	1.468	0.002	0.000	0.001	1.470	9.990×10^2
2.00 GeV	2.103×10^3	1.525	0.003	0.001	0.001	1.530	1.399×10^3
3.00 GeV	3.104×10^3	1.591	0.005	0.003	0.001	1.600	2.037×10^3
4.00 GeV	4.104×10^3	1.636	0.007	0.005	0.002	1.650	2.652×10^3
8.00 GeV	8.105×10^3	1.739	0.018	0.016	0.003	1.777	4.979×10^3
10.0 GeV	1.011×10^4	1.770	0.024	0.023	0.004	1.821	6.090×10^3
14.0 GeV	1.411×10^4	1.815	0.036	0.038	0.006	1.894	8.242×10^3
20.0 GeV	2.011×10^4	1.859	0.056	0.062	0.008	1.985	1.133×10^4
30.0 GeV	3.011×10^4	1.906	0.091	0.108	0.011	2.119	1.621×10^4
40.0 GeV	4.011×10^4	1.938	0.129	0.159	0.015	2.242	2.079×10^4
80.0 GeV	8.011×10^4	2.008	0.292	0.384	0.029	2.714	3.697×10^4
100. GeV	1.001×10^5	2.029	0.379	0.505	0.037	2.950	4.404×10^4
140. GeV	1.401×10^5	2.060	0.556	0.754	0.051	3.422	5.662×10^4
200. GeV	2.001×10^5	2.092	0.833	1.149	0.072	4.148	7.253×10^4
203. GeV	2.036×10^5	2.094	0.849	1.171	0.074	4.189	*Muon critical energy*
300. GeV	3.001×10^5	2.128	1.307	1.809	0.108	5.353	9.370×10^4
400. GeV	4.001×10^5	2.153	1.796	2.492	0.144	6.588	1.105×10^5
800. GeV	8.001×10^5	2.214	3.818	5.298	0.292	11.623	1.557×10^5
1.00 TeV	1.000×10^6	2.234	4.856	6.733	0.367	14.192	1.712×10^5
1.40 TeV	1.400×10^6	2.265	6.936	9.596	0.520	19.318	1.953×10^5
2.00 TeV	2.000×10^6	2.297	10.119	13.965	0.752	27.134	2.214×10^5
3.00 TeV	3.000×10^6	2.335	15.431	21.225	1.150	40.143	2.515×10^5
4.00 TeV	4.000×10^6	2.362	20.814	28.564	1.555	53.295	2.730×10^5
8.00 TeV	8.000×10^6	2.428	42.515	58.062	3.232	106.238	3.252×10^5
10.0 TeV	1.000×10^7	2.450	53.449	72.889	4.094	132.884	3.420×10^5
14.0 TeV	1.400×10^7	2.483	75.259	102.475	5.863	186.081	3.673×10^5
20.0 TeV	2.000×10^7	2.519	108.165	147.043	8.575	266.303	3.941×10^5
30.0 TeV	3.000×10^7	2.560	162.946	221.195	13.264	399.966	4.245×10^5
40.0 TeV	4.000×10^7	2.590	217.921	295.524	18.065	534.102	4.461×10^5
80.0 TeV	8.000×10^7	2.664	438.147	593.039	38.125	1071.976	4.979×10^5
100. TeV	1.000×10^8	2.688	548.444	741.930	48.490	1341.553	5.146×10^5