Table 127: Muons in Cadmium telluride (CdTe)

$\langle Z/A\rangle$	ρ [g/cm^3]	I [eV]	a	$k = m_s$	x_0	x_1	$\overline{C}$	δ_0
0.41665	6.200	539.3	0.24840	2.6665	0.0438	3.2836	5.9096	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	4.453				4.453	1.273×10^0
14.0 MeV	5.616×10^1	3.518				3.518	2.294×10^0
20.0 MeV	6.802×10^1	2.781				2.781	4.233×10^0
30.0 MeV	8.509×10^1	2.184				2.184	8.345×10^0
40.0 MeV	1.003×10^2	1.880				1.880	1.331×10^1
80.0 MeV	1.527×10^2	1.438				1.438	3.838×10^1
100. MeV	1.764×10^2	1.359				1.359	5.272×10^1
140. MeV	2.218×10^2	1.283				1.283	8.314×10^1
200. MeV	2.868×10^2	1.247				1.247	1.307×10^2
242. MeV	3.316×10^2	1.243				1.243	*Minimum ionization*
300. MeV	3.917×10^2	1.247	0.000		0.000	1.248	2.111×10^2
400. MeV	4.945×10^2	1.266	0.000		0.000	1.267	2.907×10^2
800. MeV	8.995×10^2	1.351	0.001		0.000	1.352	5.959×10^2
1.00 GeV	1.101×10^3	1.385	0.001		0.000	1.387	7.418×10^2
1.40 GeV	1.502×10^3	1.439	0.002	0.000	0.001	1.442	1.024×10^3
2.00 GeV	2.103×10^3	1.498	0.003	0.001	0.001	1.503	1.432×10^3
3.00 GeV	3.104×10^3	1.564	0.005	0.003	0.001	1.573	2.081×10^3
4.00 GeV	4.104×10^3	1.609	0.007	0.005	0.002	1.623	2.706×10^3
8.00 GeV	8.105×10^3	1.712	0.017	0.016	0.003	1.749	5.071×10^3
10.0 GeV	1.011×10^4	1.743	0.022	0.023	0.004	1.793	6.199×10^3
14.0 GeV	1.411×10^4	1.787	0.034	0.037	0.005	1.865	8.385×10^3
20.0 GeV	2.011×10^4	1.831	0.053	0.061	0.008	1.954	1.153×10^4
30.0 GeV	3.011×10^4	1.878	0.087	0.106	0.011	2.083	1.648×10^4
40.0 GeV	4.011×10^4	1.908	0.123	0.156	0.015	2.202	2.115×10^4
80.0 GeV	8.011×10^4	1.976	0.277	0.373	0.029	2.656	3.765×10^4
100. GeV	1.001×10^5	1.996	0.359	0.490	0.036	2.883	4.488×10^4
140. GeV	1.401×10^5	2.026	0.527	0.732	0.050	3.337	5.776×10^4
200. GeV	2.001×10^5	2.057	0.790	1.114	0.072	4.034	7.410×10^4
208. GeV	2.077×10^5	2.060	0.824	1.162	0.074	4.121	*Muon critical energy*
300. GeV	3.001×10^5	2.091	1.240	1.753	0.107	5.193	9.591×10^4
400. GeV	4.001×10^5	2.116	1.704	2.416	0.143	6.380	1.133×10^5
800. GeV	8.001×10^5	2.176	3.623	5.132	0.289	11.220	1.599×10^5
1.00 TeV	1.000×10^6	2.195	4.608	6.521	0.363	13.689	1.761×10^5
1.40 TeV	1.400×10^6	2.224	6.584	9.293	0.515	18.618	2.010×10^5
2.00 TeV	2.000×10^6	2.256	9.607	13.524	0.744	26.133	2.281×10^5
3.00 TeV	3.000×10^6	2.293	14.654	20.554	1.138	38.641	2.594×10^5
4.00 TeV	4.000×10^6	2.319	19.770	27.659	1.538	51.287	2.818×10^5
8.00 TeV	8.000×10^6	2.384	40.395	56.222	3.196	102.197	3.360×10^5
10.0 TeV	1.000×10^7	2.405	50.789	70.579	4.048	127.822	3.534×10^5
14.0 TeV	1.400×10^7	2.437	71.521	99.227	5.795	178.982	3.798×10^5
20.0 TeV	2.000×10^7	2.472	102.805	142.384	8.472	256.134	4.076×10^5
30.0 TeV	3.000×10^7	2.513	154.884	214.189	13.099	384.685	4.393×10^5
40.0 TeV	4.000×10^7	2.542	207.153	286.164	17.834	513.695	4.617×10^5
80.0 TeV	8.000×10^7	2.614	416.548	574.271	37.609	1031.043	5.156×10^5
100. TeV	1.000×10^8	2.637	521.426	718.459	47.822	1290.345	5.329×10^5