Muons in adipose tissue (ICRP)

$\langle Z/A \rangle$	ρ [g/cm^3]	I [eV]	a	$k = m_s$	x_0	x_1	$\overline{C}$	δ_0
0.55947	0.920	63.2	0.10278	3.4817	0.1827	2.6530	3.2367	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	8.205				8.205	6.725×10^{-1}
14.0 MeV	5.616×10^1	6.395				6.396	1.231×10^0
20.0 MeV	6.802×10^1	4.991				4.991	2.305×10^0
30.0 MeV	8.509×10^1	3.869				3.869	4.613×10^0
40.0 MeV	1.003×10^2	3.302				3.302	7.429×10^0
80.0 MeV	1.527×10^2	2.476				2.476	2.187×10^1
100. MeV	1.764×10^2	2.322				2.322	3.023×10^1
140. MeV	2.218×10^2	2.160				2.160	4.817×10^1
200. MeV	2.868×10^2	2.067				2.067	7.668×10^1
300. MeV	3.917×10^2	2.030			0.000	2.030	1.256×10^2
324. MeV	4.161×10^2	2.029			0.000	2.029	*Minimum ionization*
400. MeV	4.945×10^2	2.035			0.000	2.035	1.749×10^2
800. MeV	8.995×10^2	2.108	0.000		0.000	2.108	3.681×10^2
1.00 GeV	1.101×10^3	2.142	0.000		0.000	2.142	4.622×10^2
1.40 GeV	1.502×10^3	2.197	0.000		0.001	2.198	6.464×10^2
2.00 GeV	2.103×10^3	2.258	0.000	0.000	0.001	2.260	9.154×10^2
3.00 GeV	3.104×10^3	2.327	0.001	0.001	0.001	2.330	1.351×10^3
4.00 GeV	4.104×10^3	2.376	0.001	0.001	0.002	2.380	1.775×10^3
8.00 GeV	8.105×10^3	2.487	0.003	0.003	0.004	2.497	3.411×10^3
10.0 GeV	1.011×10^4	2.520	0.004	0.004	0.005	2.534	4.206×10^3
14.0 GeV	1.411×10^4	2.570	0.006	0.007	0.007	2.589	5.767×10^3
20.0 GeV	2.011×10^4	2.619	0.010	0.011	0.009	2.649	8.056×10^3
30.0 GeV	3.011×10^4	2.673	0.016	0.019	0.014	2.722	1.178×10^4
40.0 GeV	4.011×10^4	2.710	0.022	0.028	0.018	2.779	1.541×10^4
80.0 GeV	8.011×10^4	2.794	0.051	0.069	0.035	2.949	2.936×10^4
100. GeV	1.001×10^5	2.820	0.067	0.091	0.043	3.021	3.606×10^4
140. GeV	1.401×10^5	2.860	0.098	0.137	0.060	3.154	4.902×10^4
200. GeV	2.001×10^5	2.901	0.148	0.209	0.084	3.343	6.749×10^4
300. GeV	3.001×10^5	2.947	0.234	0.333	0.126	3.641	9.614×10^4
400. GeV	4.001×10^5	2.980	0.323	0.462	0.169	3.934	1.226×10^5
800. GeV	8.001×10^5	3.060	0.696	1.000	0.341	5.096	2.116×10^5
1.00 TeV	1.000×10^6	3.086	0.888	1.279	0.428	5.681	2.488×10^5
1.18 TeV	1.184×10^6	3.106	1.065	1.531	0.510	6.212	*Muon critical energy*
1.40 TeV	1.400×10^6	3.126	1.276	1.833	0.607	6.842	3.129×10^5
2.00 TeV	2.000×10^6	3.168	1.873	2.683	0.879	8.603	3.909×10^5
3.00 TeV	3.000×10^6	3.217	2.873	4.098	1.347	11.536	4.910×10^5
4.00 TeV	4.000×10^6	3.253	3.892	5.534	1.823	14.502	5.681×10^5
8.00 TeV	8.000×10^6	3.339	8.021	11.319	3.806	26.486	7.693×10^5
10.0 TeV	1.000×10^7	3.368	10.110	14.234	4.828	32.540	8.373×10^5
14.0 TeV	1.400×10^7	3.411	14.280	20.040	6.934	44.667	9.418×10^5
20.0 TeV	2.000×10^7	3.458	20.591	28.800	10.172	63.021	1.054×10^6
30.0 TeV	3.000×10^7	3.513	31.101	43.372	15.793	93.779	1.184×10^6
40.0 TeV	4.000×10^7	3.552	41.671	57.993	21.564	124.780	1.276×10^6
80.0 TeV	8.000×10^7	3.648	84.052	116.528	45.798	250.026	1.498×10^6
100. TeV	1.000×10^8	3.680	105.300	145.830	58.365	313.176	1.569×10^6