Muons in skeletal muscle (ICRP)

$\langle Z/A \rangle$	ρ [g/cm^3]	I [eV]	a	$k = m_s$	x_0	x_1	$\overline{C}$	δ_0
0.54938	1.040	75.3	0.08636	3.5330	0.2282	2.7999	3.4809	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	7.879				7.879	7.015×10^{-1}
14.0 MeV	5.616×10^1	6.146				6.146	1.282×10^0
20.0 MeV	6.802×10^1	4.800				4.800	2.400×10^0
30.0 MeV	8.509×10^1	3.724				3.724	4.798×10^0
40.0 MeV	1.003×10^2	3.180				3.180	7.723×10^0
80.0 MeV	1.527×10^2	2.387				2.387	2.270×10^1
100. MeV	1.764×10^2	2.246				2.246	3.136×10^1
140. MeV	2.218×10^2	2.092				2.092	4.990×10^1
200. MeV	2.868×10^2	2.004				2.004	7.932×10^1
300. MeV	3.917×10^2	1.970			0.000	1.971	1.298×10^2
318. MeV	4.105×10^2	1.970			0.000	1.970	*Minimum ionization*
400. MeV	4.945×10^2	1.977			0.000	1.977	1.805×10^2
800. MeV	8.995×10^2	2.052	0.000		0.000	2.052	3.791×10^2
1.00 GeV	1.101×10^3	2.086	0.000		0.000	2.086	4.758×10^2
1.40 GeV	1.502×10^3	2.141	0.000		0.001	2.142	6.649×10^2
2.00 GeV	2.103×10^3	2.202	0.001	0.000	0.001	2.204	9.407×10^2
3.00 GeV	3.104×10^3	2.272	0.001	0.001	0.001	2.275	1.387×10^3
4.00 GeV	4.104×10^3	2.320	0.001	0.001	0.002	2.325	1.821×10^3
8.00 GeV	8.105×10^3	2.431	0.004	0.003	0.004	2.442	3.495×10^3
10.0 GeV	1.011×10^4	2.465	0.005	0.005	0.005	2.479	4.308×10^3
14.0 GeV	1.411×10^4	2.513	0.007	0.008	0.007	2.535	5.902×10^3
20.0 GeV	2.011×10^4	2.563	0.011	0.013	0.009	2.596	8.239×10^3
30.0 GeV	3.011×10^4	2.616	0.018	0.023	0.013	2.670	1.203×10^4
40.0 GeV	4.011×10^4	2.652	0.026	0.033	0.018	2.729	1.574×10^4
80.0 GeV	8.011×10^4	2.735	0.060	0.080	0.034	2.909	2.991×10^4
100. GeV	1.001×10^5	2.761	0.077	0.106	0.042	2.986	3.670×10^4
140. GeV	1.401×10^5	2.799	0.114	0.159	0.059	3.131	4.977×10^4
200. GeV	2.001×10^5	2.839	0.172	0.243	0.084	3.338	6.833×10^4
300. GeV	3.001×10^5	2.885	0.271	0.386	0.125	3.667	9.689×10^4
400. GeV	4.001×10^5	2.917	0.374	0.535	0.167	3.993	1.230×10^5
800. GeV	8.001×10^5	2.996	0.803	1.155	0.337	5.292	2.097×10^5
1.00 TeV	1.000×10^6	3.021	1.025	1.476	0.424	5.946	2.454×10^5
1.03 TeV	1.032×10^6	3.025	1.060	1.527	0.438	6.051	*Muon critical energy*
1.40 TeV	1.400×10^6	3.060	1.471	2.114	0.601	7.246	3.062×10^5
2.00 TeV	2.000×10^6	3.102	2.157	3.091	0.870	9.221	3.795×10^5
3.00 TeV	3.000×10^6	3.150	3.307	4.719	1.333	12.509	4.723×10^5
4.00 TeV	4.000×10^6	3.185	4.477	6.369	1.803	15.834	5.432×10^5
8.00 TeV	8.000×10^6	3.270	9.214	13.014	3.764	29.263	7.262×10^5
10.0 TeV	1.000×10^7	3.298	11.610	16.361	4.774	36.044	7.876×10^5
14.0 TeV	1.400×10^7	3.341	16.392	23.030	6.855	49.619	8.818×10^5
20.0 TeV	2.000×10^7	3.387	23.625	33.089	10.053	70.154	9.831×10^5
30.0 TeV	3.000×10^7	3.440	35.670	49.825	15.603	104.538	1.099×10^6
40.0 TeV	4.000×10^7	3.479	47.779	66.615	21.300	139.173	1.182×10^6
80.0 TeV	8.000×10^7	3.573	96.349	133.832	45.207	278.961	1.381×10^6
100. TeV	1.000×10^8	3.605	120.703	167.479	57.600	349.388	1.445×10^6