Muons in eye lens (ICRP)

$\langle Z/A \rangle$	ρ [g/cm^3]	I [eV]	a	$k = m_s$	x_0	x_1	$\overline{C}$	δ_0
0.54977	1.100	73.3	0.09690	3.4550	0.2070	2.7446	3.3720	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	7.912				7.912	6.984×10^{-1}
14.0 MeV	5.616×10^1	6.171				6.171	1.277×10^0
20.0 MeV	6.802×10^1	4.819				4.819	2.390×10^0
30.0 MeV	8.509×10^1	3.738				3.738	4.779×10^0
40.0 MeV	1.003×10^2	3.192				3.192	7.693×10^0
80.0 MeV	1.527×10^2	2.396				2.396	2.262×10^1
100. MeV	1.764×10^2	2.251				2.251	3.125×10^1
140. MeV	2.218×10^2	2.095				2.096	4.976×10^1
200. MeV	2.868×10^2	2.006				2.006	7.914×10^1
300. MeV	3.917×10^2	1.971			0.000	1.971	1.296×10^2
318. MeV	4.105×10^2	1.971			0.000	1.971	*Minimum ionization*
400. MeV	4.945×10^2	1.977			0.000	1.977	1.803×10^2
800. MeV	8.995×10^2	2.051	0.000		0.000	2.051	3.790×10^2
1.00 GeV	1.101×10^3	2.085	0.000		0.000	2.085	4.756×10^2
1.40 GeV	1.502×10^3	2.140	0.000		0.001	2.141	6.648×10^2
2.00 GeV	2.103×10^3	2.201	0.001	0.000	0.001	2.203	9.409×10^2
3.00 GeV	3.104×10^3	2.270	0.001	0.001	0.001	2.273	1.387×10^3
4.00 GeV	4.104×10^3	2.318	0.001	0.001	0.002	2.323	1.822×10^3
8.00 GeV	8.105×10^3	2.429	0.003	0.003	0.004	2.439	3.498×10^3
10.0 GeV	1.011×10^4	2.462	0.005	0.005	0.005	2.476	4.311×10^3
14.0 GeV	1.411×10^4	2.511	0.007	0.008	0.007	2.532	5.908×10^3
20.0 GeV	2.011×10^4	2.560	0.011	0.012	0.009	2.593	8.248×10^3
30.0 GeV	3.011×10^4	2.613	0.018	0.022	0.014	2.666	1.205×10^4
40.0 GeV	4.011×10^4	2.649	0.025	0.032	0.018	2.724	1.576×10^4
80.0 GeV	8.011×10^4	2.732	0.058	0.078	0.034	2.902	2.996×10^4
100. GeV	1.001×10^5	2.758	0.075	0.102	0.042	2.978	3.676×10^4
140. GeV	1.401×10^5	2.796	0.111	0.154	0.059	3.120	4.988×10^4
200. GeV	2.001×10^5	2.837	0.167	0.236	0.084	3.323	6.851×10^4
300. GeV	3.001×10^5	2.882	0.263	0.374	0.125	3.645	9.723×10^4
400. GeV	4.001×10^5	2.915	0.363	0.519	0.167	3.964	1.235×10^5
800. GeV	8.001×10^5	2.993	0.779	1.121	0.338	5.232	2.111×10^5
1.00 TeV	1.000×10^6	3.019	0.994	1.432	0.424	5.870	2.471×10^5
1.06 TeV	1.057×10^6	3.025	1.056	1.520	0.449	6.051	*Muon critical energy*
1.40 TeV	1.400×10^6	3.058	1.428	2.052	0.602	7.139	3.088×10^5
2.00 TeV	2.000×10^6	3.100	2.094	3.001	0.871	9.066	3.833×10^5
3.00 TeV	3.000×10^6	3.148	3.211	4.581	1.335	12.275	4.777×10^5
4.00 TeV	4.000×10^6	3.183	4.347	6.184	1.807	15.521	5.500×10^5
8.00 TeV	8.000×10^6	3.268	8.949	12.639	3.771	28.627	7.369×10^5
10.0 TeV	1.000×10^7	3.296	11.276	15.890	4.783	35.246	7.998×10^5
14.0 TeV	1.400×10^7	3.339	15.921	22.368	6.868	48.497	8.962×10^5
20.0 TeV	2.000×10^7	3.385	22.948	32.139	10.072	68.545	9.997×10^5
30.0 TeV	3.000×10^7	3.438	34.650	48.397	15.634	102.119	1.119×10^6
40.0 TeV	4.000×10^7	3.477	46.415	64.706	21.343	135.941	1.203×10^6
80.0 TeV	8.000×10^7	3.571	93.601	130.001	45.304	272.478	1.407×10^6
100. TeV	1.000×10^8	3.603	117.262	162.686	57.726	341.277	1.472×10^6