Muons in muscle-equivalent liquid without sucrose

$\langle Z/A \rangle$	ρ [g/cm^3]	I [eV]	a	$k = m_s$	x_0	x_1	$\overline{C}$	δ_0
0.55014	1.070	74.2	0.09143	3.4982	0.2187	2.7680	3.4216	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	7.905				7.905	6.991×10^{-1}
14.0 MeV	5.616×10^1	6.166				6.166	1.278×10^0
20.0 MeV	6.802×10^1	4.815				4.815	2.392×10^0
30.0 MeV	8.509×10^1	3.735				3.735	4.783×10^0
40.0 MeV	1.003×10^2	3.189				3.189	7.699×10^0
80.0 MeV	1.527×10^2	2.394				2.394	2.264×10^1
100. MeV	1.764×10^2	2.251				2.252	3.127×10^1
140. MeV	2.218×10^2	2.096				2.097	4.977×10^1
200. MeV	2.868×10^2	2.007				2.007	7.913×10^1
300. MeV	3.917×10^2	1.973			0.000	1.973	1.295×10^2
318. MeV	4.105×10^2	1.973			0.000	1.973	*Minimum ionization*
400. MeV	4.945×10^2	1.979			0.000	1.979	1.802×10^2
800. MeV	8.995×10^2	2.054	0.000		0.000	2.054	3.786×10^2
1.00 GeV	1.101×10^3	2.088	0.000		0.000	2.088	4.751×10^2
1.40 GeV	1.502×10^3	2.143	0.000		0.001	2.144	6.641×10^2
2.00 GeV	2.103×10^3	2.204	0.001	0.000	0.001	2.206	9.397×10^2
3.00 GeV	3.104×10^3	2.273	0.001	0.001	0.001	2.277	1.386×10^3
4.00 GeV	4.104×10^3	2.322	0.001	0.001	0.002	2.326	1.820×10^3
8.00 GeV	8.105×10^3	2.432	0.004	0.003	0.004	2.443	3.493×10^3
10.0 GeV	1.011×10^4	2.466	0.005	0.005	0.005	2.480	4.305×10^3
14.0 GeV	1.411×10^4	2.515	0.007	0.008	0.007	2.536	5.899×10^3
20.0 GeV	2.011×10^4	2.564	0.011	0.013	0.009	2.597	8.235×10^3
30.0 GeV	3.011×10^4	2.617	0.018	0.022	0.013	2.671	1.203×10^4
40.0 GeV	4.011×10^4	2.653	0.026	0.033	0.018	2.729	1.573×10^4
80.0 GeV	8.011×10^4	2.736	0.059	0.079	0.034	2.908	2.990×10^4
100. GeV	1.001×10^5	2.762	0.076	0.104	0.042	2.985	3.669×10^4
140. GeV	1.401×10^5	2.800	0.113	0.157	0.059	3.129	4.978×10^4
200. GeV	2.001×10^5	2.841	0.170	0.240	0.084	3.334	6.835×10^4
300. GeV	3.001×10^5	2.886	0.268	0.381	0.125	3.661	9.695×10^4
400. GeV	4.001×10^5	2.919	0.369	0.528	0.167	3.984	1.231×10^5
800. GeV	8.001×10^5	2.998	0.793	1.141	0.337	5.269	2.102×10^5
1.00 TeV	1.000×10^6	3.023	1.012	1.458	0.424	5.917	2.460×10^5
1.04 TeV	1.044×10^6	3.028	1.059	1.526	0.443	6.056	*Muon critical energy*
1.40 TeV	1.400×10^6	3.062	1.453	2.088	0.601	7.204	3.071×10^5
2.00 TeV	2.000×10^6	3.104	2.131	3.054	0.870	9.159	3.808×10^5
3.00 TeV	3.000×10^6	3.152	3.267	4.661	1.334	12.414	4.743×10^5
4.00 TeV	4.000×10^6	3.187	4.423	6.292	1.805	15.706	5.457×10^5
8.00 TeV	8.000×10^6	3.272	9.104	12.858	3.767	29.002	7.303×10^5
10.0 TeV	1.000×10^7	3.300	11.471	16.165	4.778	35.715	7.924×10^5
14.0 TeV	1.400×10^7	3.343	16.197	22.754	6.861	49.155	8.875×10^5
20.0 TeV	2.000×10^7	3.389	23.345	32.692	10.062	69.488	9.896×10^5
30.0 TeV	3.000×10^7	3.443	35.247	49.229	15.617	103.536	1.107×10^6
40.0 TeV	4.000×10^7	3.481	47.214	65.819	21.319	137.834	1.190×10^6
80.0 TeV	8.000×10^7	3.576	95.214	132.233	45.251	276.274	1.391×10^6
100. TeV	1.000×10^8	3.607	119.283	165.479	57.657	346.027	1.456×10^6