Table 169: Muons in Borosilicate glass (Pyrex Corning 7740)

$\langle Z/A \rangle$	ρ [g/cm^3]	I [eV]	a	$k = m_s$	x_0	x_1	$\overline{C}$	δ_0
0.49707	2.230	134.0	0.08270	3.5224	0.1479	2.9933	3.9708	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	6.597				6.597	8.427×10^{-1}
14.0 MeV	5.616×10^1	5.161				5.162	1.535×10^0
20.0 MeV	6.802×10^1	4.043				4.043	2.864×10^0
30.0 MeV	8.509×10^1	3.146				3.146	5.707×10^0
40.0 MeV	1.003×10^2	2.691				2.691	9.166×10^0
80.0 MeV	1.527×10^2	2.029				2.029	2.682×10^1
100. MeV	1.764×10^2	1.907				1.907	3.701×10^1
140. MeV	2.218×10^2	1.784				1.784	5.880×10^1
200. MeV	2.868×10^2	1.716				1.716	9.321×10^1
294. MeV	3.854×10^2	1.696			0.000	1.696	*Minimum ionization*
300. MeV	3.917×10^2	1.696			0.000	1.696	1.520×10^2
400. MeV	4.945×10^2	1.707			0.000	1.707	2.108×10^2
800. MeV	8.995×10^2	1.784	0.000		0.000	1.785	4.400×10^2
1.00 GeV	1.101×10^3	1.817	0.000		0.000	1.818	5.510×10^2
1.40 GeV	1.502×10^3	1.871	0.000	0.000	0.001	1.872	7.676×10^2
2.00 GeV	2.103×10^3	1.929	0.001	0.000	0.001	1.931	1.083×10^3
3.00 GeV	3.104×10^3	1.995	0.001	0.001	0.001	1.999	1.591×10^3
4.00 GeV	4.104×10^3	2.041	0.002	0.002	0.002	2.046	2.085×10^3
8.00 GeV	8.105×10^3	2.145	0.005	0.005	0.004	2.158	3.982×10^3
10.0 GeV	1.011×10^4	2.176	0.006	0.006	0.005	2.194	4.901×10^3
14.0 GeV	1.411×10^4	2.221	0.010	0.011	0.006	2.248	6.701×10^3
20.0 GeV	2.011×10^4	2.267	0.015	0.017	0.009	2.309	9.333×10^3
30.0 GeV	3.011×10^4	2.316	0.025	0.030	0.013	2.384	1.359×10^4
40.0 GeV	4.011×10^4	2.348	0.035	0.045	0.017	2.446	1.773×10^4
80.0 GeV	8.011×10^4	2.424	0.080	0.108	0.033	2.645	3.343×10^4
100. GeV	1.001×10^5	2.447	0.103	0.142	0.041	2.734	4.087×10^4
140. GeV	1.401×10^5	2.482	0.152	0.212	0.057	2.904	5.506×10^4
200. GeV	2.001×10^5	2.518	0.229	0.324	0.081	3.153	7.488×10^4
300. GeV	3.001×10^5	2.560	0.360	0.514	0.122	3.557	1.047×10^5
400. GeV	4.001×10^5	2.589	0.497	0.713	0.162	3.961	1.313×10^5
731. GeV	7.311×10^5	2.651	0.963	1.388	0.299	5.302	*Muon critical energy*
800. GeV	8.001×10^5	2.660	1.062	1.532	0.328	5.583	2.160×10^5
1.00 TeV	1.000×10^6	2.683	1.354	1.953	0.413	6.404	2.494×10^5
1.40 TeV	1.400×10^6	2.718	1.941	2.793	0.585	8.038	3.051×10^5
2.00 TeV	2.000×10^6	2.756	2.842	4.079	0.847	10.524	3.701×10^5
3.00 TeV	3.000×10^6	2.800	4.349	6.217	1.297	14.664	4.503×10^5
4.00 TeV	4.000×10^6	2.831	5.881	8.384	1.755	18.851	5.103×10^5
8.00 TeV	8.000×10^6	2.908	12.074	17.104	3.661	35.747	6.618×10^5
10.0 TeV	1.000×10^7	2.934	15.202	21.493	4.642	44.271	7.120×10^5
14.0 TeV	1.400×10^7	2.972	21.446	30.242	6.661	61.321	7.885×10^5
20.0 TeV	2.000×10^7	3.014	30.884	43.433	9.761	87.092	8.702×10^5
30.0 TeV	3.000×10^7	3.062	46.586	65.386	15.136	130.171	9.635×10^5
40.0 TeV	4.000×10^7	3.097	62.361	87.405	20.650	173.513	1.030×10^6
80.0 TeV	8.000×10^7	3.183	125.615	175.553	43.761	348.112	1.189×10^6
100. TeV	1.000×10^8	3.211	157.323	219.676	55.730	435.941	1.241×10^6