Table 171: Muons in Plate glass

$\langle Z/A \rangle$	ρ [g/cm^3]	I [eV]	a	$k = m_s$	x_0	x_1	$\overline{C}$	δ_0
0.49731	2.400	145.4	0.07678	3.5381	0.1237	3.0649	4.0602	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	6.525				6.525	8.528×10^{-1}
14.0 MeV	5.616×10^1	5.107				5.107	1.553×10^0
20.0 MeV	6.802×10^1	4.002				4.002	2.895×10^0
30.0 MeV	8.509×10^1	3.115				3.115	5.766×10^0
40.0 MeV	1.003×10^2	2.666				2.666	9.258×10^0
80.0 MeV	1.527×10^2	2.011				2.011	2.707×10^1
100. MeV	1.764×10^2	1.890				1.890	3.736×10^1
140. MeV	2.218×10^2	1.769				1.769	5.933×10^1
200. MeV	2.868×10^2	1.703				1.703	9.402×10^1
288. MeV	3.788×10^2	1.684			0.000	1.684	*Minimum ionization*
300. MeV	3.917×10^2	1.684			0.000	1.684	1.532×10^2
400. MeV	4.945×10^2	1.695			0.000	1.696	2.125×10^2
800. MeV	8.995×10^2	1.774	0.000		0.000	1.775	4.430×10^2
1.00 GeV	1.101×10^3	1.808	0.000		0.000	1.809	5.546×10^2
1.40 GeV	1.502×10^3	1.862	0.001	0.000	0.001	1.863	7.723×10^2
2.00 GeV	2.103×10^3	1.921	0.001	0.000	0.001	1.923	1.089×10^3
3.00 GeV	3.104×10^3	1.988	0.002	0.001	0.001	1.992	1.599×10^3
4.00 GeV	4.104×10^3	2.034	0.002	0.002	0.002	2.040	2.095×10^3
8.00 GeV	8.105×10^3	2.139	0.005	0.005	0.004	2.153	3.997×10^3
10.0 GeV	1.011×10^4	2.170	0.007	0.007	0.005	2.189	4.918×10^3
14.0 GeV	1.411×10^4	2.216	0.011	0.012	0.006	2.245	6.721×10^3
20.0 GeV	2.011×10^4	2.262	0.017	0.019	0.009	2.307	9.356×10^3
30.0 GeV	3.011×10^4	2.311	0.028	0.034	0.013	2.385	1.362×10^4
40.0 GeV	4.011×10^4	2.344	0.039	0.050	0.017	2.450	1.775×10^4
80.0 GeV	8.011×10^4	2.419	0.088	0.119	0.033	2.660	3.339×10^4
100. GeV	1.001×10^5	2.443	0.114	0.157	0.041	2.756	4.078×10^4
140. GeV	1.401×10^5	2.477	0.168	0.235	0.057	2.939	5.483×10^4
200. GeV	2.001×10^5	2.514	0.253	0.359	0.081	3.207	7.437×10^4
300. GeV	3.001×10^5	2.555	0.398	0.569	0.121	3.644	1.036×10^5
400. GeV	4.001×10^5	2.585	0.549	0.788	0.161	4.083	1.295×10^5
671. GeV	6.712×10^5	2.638	0.969	1.396	0.273	5.276	*Muon critical energy*
800. GeV	8.001×10^5	2.656	1.173	1.691	0.326	5.846	2.110×10^5
1.00 TeV	1.000×10^6	2.679	1.495	2.155	0.410	6.739	2.428×10^5
1.40 TeV	1.400×10^6	2.714	2.142	3.081	0.581	8.518	2.955×10^5
2.00 TeV	2.000×10^6	2.752	3.134	4.497	0.842	11.225	3.567×10^5
3.00 TeV	3.000×10^6	2.795	4.795	6.852	1.289	15.733	4.316×10^5
4.00 TeV	4.000×10^6	2.827	6.482	9.238	1.744	20.291	4.874×10^5
8.00 TeV	8.000×10^6	2.904	13.302	18.839	3.636	38.682	6.278×10^5
10.0 TeV	1.000×10^7	2.929	16.746	23.671	4.610	47.957	6.741×10^5
14.0 TeV	1.400×10^7	2.968	23.621	33.304	6.614	66.507	7.447×10^5
20.0 TeV	2.000×10^7	3.010	34.012	47.825	9.691	94.539	8.200×10^5
30.0 TeV	3.000×10^7	3.058	51.296	71.993	15.025	141.373	9.059×10^5
40.0 TeV	4.000×10^7	3.093	68.658	96.232	20.495	188.479	9.670×10^5
80.0 TeV	8.000×10^7	3.179	138.275	193.265	43.419	378.138	1.114×10^6
100. TeV	1.000×10^8	3.207	173.170	241.835	55.289	473.501	1.161×10^6