

Muons in E-Glass

$\langle Z/A \rangle$	ρ [g/cm ³]	I [eV]	a	$k = m_s$	x_0	x_1	\bar{C}	δ_0
0.49689	2.610	143.4	0.13796	3.0000	0.2000	3.0000	3.9495	0.00
T	p [MeV/c]	Ionization	Brems	Pair prod	Photonucl	Total	CSDA range [g/cm ²]	
10.0 MeV	4.704×10^1	6.532				6.532	8.517×10^{-1}	
14.0 MeV	5.616×10^1	5.113				5.113	1.551×10^0	
20.0 MeV	6.802×10^1	4.006				4.006	2.892×10^0	
30.0 MeV	8.509×10^1	3.118				3.118	5.760×10^0	
40.0 MeV	1.003×10^2	2.669				2.669	9.249×10^0	
80.0 MeV	1.527×10^2	2.014				2.014	2.705×10^1	
100. MeV	1.764×10^2	1.894				1.894	3.731×10^1	
140. MeV	2.218×10^2	1.767				1.767	5.927×10^1	
200. MeV	2.868×10^2	1.696				1.696	9.406×10^1	
298. MeV	3.894×10^2	1.673			0.000	1.673	<i>Minimum ionization</i>	
300. MeV	3.917×10^2	1.673			0.000	1.673		
400. MeV	4.945×10^2	1.683			0.000	1.683	2.132×10^2	
800. MeV	8.995×10^2	1.759	0.000		0.000	1.759	4.457×10^2	
1.00 GeV	1.101×10^3	1.792	0.000		0.000	1.793	5.583×10^2	
1.40 GeV	1.502×10^3	1.846	0.001	0.000	0.001	1.847	7.779×10^2	
2.00 GeV	2.103×10^3	1.905	0.001	0.000	0.001	1.907	1.097×10^3	
3.00 GeV	3.104×10^3	1.973	0.002	0.001	0.001	1.977	1.612×10^3	
4.00 GeV	4.104×10^3	2.019	0.002	0.002	0.002	2.025	2.111×10^3	
8.00 GeV	8.105×10^3	2.126	0.005	0.005	0.004	2.141	4.026×10^3	
10.0 GeV	1.011×10^4	2.159	0.007	0.007	0.005	2.178	4.952×10^3	
14.0 GeV	1.411×10^4	2.205	0.011	0.012	0.006	2.234	6.764×10^3	
20.0 GeV	2.011×10^4	2.252	0.017	0.019	0.009	2.297	9.410×10^3	
30.0 GeV	3.011×10^4	2.302	0.027	0.034	0.013	2.376	1.369×10^4	
40.0 GeV	4.011×10^4	2.335	0.039	0.049	0.017	2.440	1.784×10^4	
80.0 GeV	8.011×10^4	2.411	0.088	0.118	0.033	2.650	3.354×10^4	
100. GeV	1.001×10^5	2.434	0.113	0.156	0.041	2.745	4.095×10^4	
140. GeV	1.401×10^5	2.469	0.167	0.233	0.057	2.927	5.506×10^4	
200. GeV	2.001×10^5	2.506	0.251	0.356	0.081	3.194	7.468×10^4	
300. GeV	3.001×10^5	2.547	0.395	0.564	0.121	3.628	1.040×10^5	
400. GeV	4.001×10^5	2.576	0.544	0.781	0.162	4.063	1.301×10^5	
674. GeV	6.740×10^5	2.629	0.965	1.390	0.274	5.259	<i>Muon critical energy</i>	
800. GeV	8.001×10^5	2.647	1.163	1.676	0.327	5.813		
1.00 TeV	1.000×10^6	2.670	1.482	2.137	0.411	6.700	2.440×10^5	
1.40 TeV	1.400×10^6	2.705	2.124	3.054	0.582	8.466	2.970×10^5	
2.00 TeV	2.000×10^6	2.743	3.108	4.459	0.843	11.153	3.586×10^5	
3.00 TeV	3.000×10^6	2.787	4.755	6.794	1.291	15.627	4.340×10^5	
4.00 TeV	4.000×10^6	2.818	6.428	9.160	1.746	20.152	4.902×10^5	
8.00 TeV	8.000×10^6	2.895	13.190	18.680	3.640	38.407	6.315×10^5	
10.0 TeV	1.000×10^7	2.921	16.606	23.472	4.615	47.614	6.782×10^5	
14.0 TeV	1.400×10^7	2.959	23.423	33.023	6.622	66.028	7.493×10^5	
20.0 TeV	2.000×10^7	3.001	33.726	47.423	9.704	93.854	8.251×10^5	
30.0 TeV	3.000×10^7	3.049	50.866	71.388	15.046	140.349	9.117×10^5	
40.0 TeV	4.000×10^7	3.084	68.082	95.423	20.525	187.114	9.732×10^5	
80.0 TeV	8.000×10^7	3.170	137.115	191.641	43.484	375.410	1.121×10^6	
100. TeV	1.000×10^8	3.198	171.718	239.803	55.373	470.091	1.169×10^6	