

### Muons in E-Glass

	$\langle Z/A \rangle$	$\rho$ [g/cm <sup>3</sup> ]	$I$ [eV]	$a$	$k = m_s$	$x_0$	$x_1$	$\bar{C}$	$\delta_0$
	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 <sup>2</sup> ]		
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10.0 MeV	$4.704 \times 10^1$	6.532				6.532	$8.517 \times 10^{-1}$		
14.0 MeV	$5.616 \times 10^1$	5.113				5.113	$1.551 \times 10^0$		
20.0 MeV	$6.802 \times 10^1$	4.006				4.006	$2.892 \times 10^0$		
30.0 MeV	$8.509 \times 10^1$	3.118				3.118	$5.760 \times 10^0$		
40.0 MeV	$1.003 \times 10^2$	2.669				2.669	$9.249 \times 10^0$		
80.0 MeV	$1.527 \times 10^2$	2.014				2.014	$2.705 \times 10^1$		
100. MeV	$1.764 \times 10^2$	1.894				1.894	$3.731 \times 10^1$		
140. MeV	$2.218 \times 10^2$	1.767				1.767	$5.927 \times 10^1$		
200. MeV	$2.868 \times 10^2$	1.696				1.696	$9.406 \times 10^1$		
298. MeV	$3.894 \times 10^2$	1.673			0.000	1.673	<i>Minimum ionization</i>		
300. MeV	$3.917 \times 10^2$	1.673			0.000	1.673	$1.536 \times 10^2$		
400. MeV	$4.945 \times 10^2$	1.683			0.000	1.683	$2.132 \times 10^2$		
800. MeV	$8.995 \times 10^2$	1.759	0.000		0.000	1.759	$4.457 \times 10^2$		
1.00 GeV	$1.101 \times 10^3$	1.792	0.000		0.000	1.793	$5.583 \times 10^2$		
1.40 GeV	$1.502 \times 10^3$	1.846	0.001	0.000	0.001	1.847	$7.779 \times 10^2$		
2.00 GeV	$2.103 \times 10^3$	1.905	0.001	0.000	0.001	1.907	$1.097 \times 10^3$		
3.00 GeV	$3.104 \times 10^3$	1.973	0.002	0.001	0.001	1.977	$1.612 \times 10^3$		
4.00 GeV	$4.104 \times 10^3$	2.019	0.002	0.002	0.002	2.025	$2.111 \times 10^3$		
8.00 GeV	$8.105 \times 10^3$	2.126	0.005	0.005	0.004	2.141	$4.026 \times 10^3$		
10.0 GeV	$1.011 \times 10^4$	2.159	0.007	0.007	0.005	2.178	$4.952 \times 10^3$		
14.0 GeV	$1.411 \times 10^4$	2.205	0.011	0.012	0.006	2.234	$6.764 \times 10^3$		
20.0 GeV	$2.011 \times 10^4$	2.252	0.017	0.019	0.009	2.297	$9.410 \times 10^3$		
30.0 GeV	$3.011 \times 10^4$	2.302	0.027	0.034	0.013	2.376	$1.369 \times 10^4$		
40.0 GeV	$4.011 \times 10^4$	2.335	0.039	0.049	0.017	2.440	$1.784 \times 10^4$		
80.0 GeV	$8.011 \times 10^4$	2.411	0.088	0.118	0.033	2.650	$3.354 \times 10^4$		
100. GeV	$1.001 \times 10^5$	2.434	0.113	0.156	0.041	2.745	$4.095 \times 10^4$		
140. GeV	$1.401 \times 10^5$	2.469	0.167	0.233	0.057	2.927	$5.506 \times 10^4$		
200. GeV	$2.001 \times 10^5$	2.506	0.251	0.356	0.081	3.194	$7.468 \times 10^4$		
300. GeV	$3.001 \times 10^5$	2.547	0.395	0.564	0.121	3.628	$1.040 \times 10^5$		
400. GeV	$4.001 \times 10^5$	2.576	0.544	0.781	0.162	4.063	$1.301 \times 10^5$		
674. GeV	$6.740 \times 10^5$	2.629	0.965	1.390	0.274	5.259	<i>Muon critical energy</i>		
800. GeV	$8.001 \times 10^5$	2.647	1.163	1.676	0.327	5.813	$2.119 \times 10^5$		
1.00 TeV	$1.000 \times 10^6$	2.670	1.482	2.137	0.411	6.700	$2.440 \times 10^5$		
1.40 TeV	$1.400 \times 10^6$	2.705	2.124	3.055	0.582	8.466	$2.970 \times 10^5$		
2.00 TeV	$2.000 \times 10^6$	2.743	3.108	4.459	0.843	11.153	$3.585 \times 10^5$		
3.00 TeV	$3.000 \times 10^6$	2.787	4.755	6.795	1.291	15.628	$4.340 \times 10^5$		
4.00 TeV	$4.000 \times 10^6$	2.818	6.428	9.160	1.746	20.153	$4.902 \times 10^5$		
8.00 TeV	$8.000 \times 10^6$	2.895	13.191	18.681	3.640	38.409	$6.315 \times 10^5$		
10.0 TeV	$1.000 \times 10^7$	2.921	16.607	23.473	4.615	47.616	$6.782 \times 10^5$		
14.0 TeV	$1.400 \times 10^7$	2.959	23.424	33.025	6.622	66.032	$7.492 \times 10^5$		
20.0 TeV	$2.000 \times 10^7$	3.001	33.728	47.426	9.704	93.859	$8.251 \times 10^5$		
30.0 TeV	$3.000 \times 10^7$	3.049	50.868	71.392	15.046	140.355	$9.116 \times 10^5$		
40.0 TeV	$4.000 \times 10^7$	3.084	68.086	95.428	20.525	187.123	$9.731 \times 10^5$		
80.0 TeV	$8.000 \times 10^7$	3.170	137.124	191.653	43.487	375.434	$1.121 \times 10^6$		
100. TeV	$1.000 \times 10^8$	3.198	171.729	239.820	55.378	470.125	$1.169 \times 10^6$		