

Sheet1

N	a	mu_0	e/m (accepted
130		0.158 1.25664E-06	1.76E+11

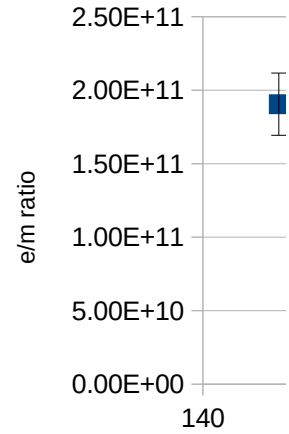
U_acc (V), pm 1	I_1,Helmholts (A), plus/minus 0.01A	r_I_1 (m), pm	e/m (I_1)
152	1.2	0.045	1.90E+11
160	1.2	0.04625	1.90E+11
171	1.2	0.04625	2.03E+11
180	1.2	0.05	1.83E+11
190	1.2	0.051	1.85E+11
201	1.2	0.05125	1.94E+11
211	1.2	0.0525	1.94E+11
220	1.2	0.055	1.85E+11
231	1.2	0.0525	2.13E+11
242	1.2	0.06125	1.64E+11
251	1.2	0.065	1.51E+11

Weighted Avg of e/m	1.88E+11
Avg	1.86E+11
Err	1.81E+10
Diff	1.19E+10

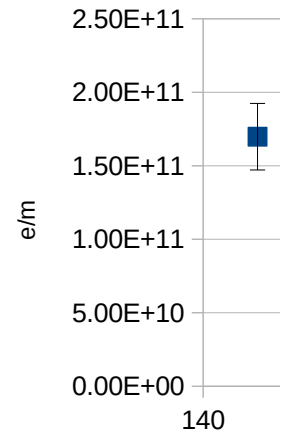
U_acc (V), pm 1	I_2,Helmholts (A), plus/minus 0.01A	r_I_2 (m), pm	e/m (I_2)
147	1.5	0.0375	1.70E+11
160	1.5	0.035	2.12E+11
170	1.5	0.039	1.82E+11
180	1.5	0.0375	2.08E+11
190	1.5	0.0385	2.08E+11
200	1.5	0.041	1.93E+11
211	1.5	0.0425	1.90E+11
220	1.5	0.045	1.76E+11
231	1.5	0.0455	1.81E+11
242	1.5	0.045625	1.89E+11
250	1.5	0.0475	1.80E+11

Weighted Avg of e/m	1.91E+11
Avg	1.90E+11
Err	2.33E+10
Diff	1.48E+10

err	err percent
2.12E+10	0.1111111111
2.05E+10	0.108108108
2.19E+10	0.108108108
1.83E+10	0.1
1.82E+10	0.098039216
1.89E+10	0.097560976
1.85E+10	0.095238095
1.68E+10	0.090909091
2.03E+10	0.095238095
1.34E+10	0.081632653
1.16E+10	0.076923077

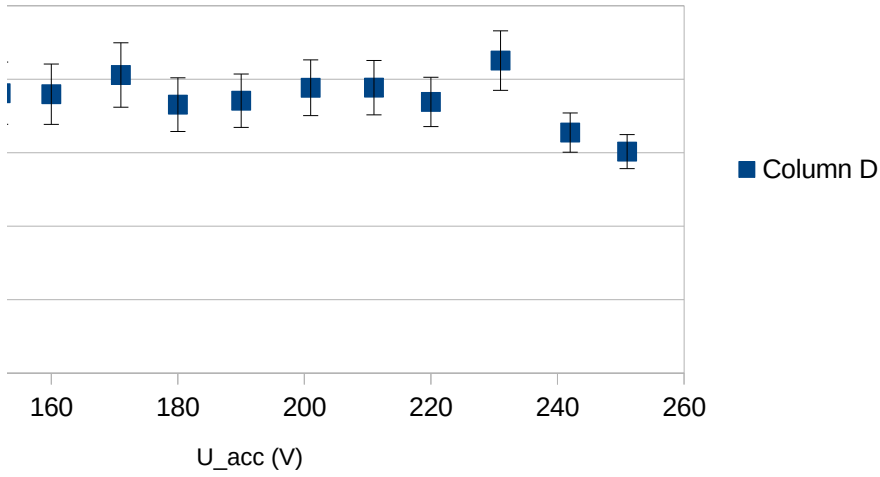


err	err percent
2.26E+10	0.133333333
3.03E+10	0.142857143
2.33E+10	0.128205128
2.77E+10	0.133333333
2.70E+10	0.12987013
2.36E+10	0.12195122
2.23E+10	0.117647059
1.96E+10	0.111111111
1.99E+10	0.10989011
2.07E+10	0.109589041
1.89E+10	0.105263158



U_acc (V) vs e/m ratio

I = 1.20A



U_acc (V) vs e/m ratio

I = 1.50A

