

Name: _____ Date of Lab: _____

Partner: _____ Serial Number: _____

Quantity	Unit	Value
Permeability of Free Space, μ_0		
# of turns of wire in Helmholtz Coil, N		
Diameter of Glass Electron Tube, D_{glass}		\pm
Radius of Helmholtz Coil, R		\pm
Part I: Accelerating Voltage Used		\pm
Part I: Slope of $1/r$ vs. I graph		\pm
Part I: q/m	C/kg	\pm
Part II: Current Used		\pm
Part II: Slope of r^2 vs. V graph		\pm
Part II: q/m	C/kg	\pm
Combo: Slope of r^2 vs. V/I^2 graph		\pm
Combo: q/m	C/kg	\pm
Accepted value for charge-to-mass ratio	C/kg	\pm