

PHYS1417 Basic physics
1417-2 LABORATORY REPORT

Experiment 2. Charge-to-mass ratio e/m of electron

Student Name: _____ Student No.: _____

Group No.: _____ Date: _____

Q1. Derive the expression for e/m ratio.

Q2. Complete the table and plot a graph of V_o against I^2 . Measure the gradient of your graph. Deduce the specific charge, e/m of an electron.

Electron Beam Radius, r = _____

V_o (V)	I^2 (A ²)

e/m = _____

