☐**PHYS115** ☐**PHYS121** ☐**PHYS123**
☐**PHYS116** ☑**PHYS122** ☐**PHYS124**
Lab Cover Letter

Author (*You*) _Trevor Nichols_   Signature: _Tur N._

I declare that this assignment is original and has not been submitted for assessment elsewhere, and acknowledge that the assessor of this assignment may, for the purpose of assessing this assignment: (1) reproduce this assignment and provide a copy to another member of faculty; and/or (2) communicate a copy of this assignment to a plagiarism checking service (which may then retain a copy of this assignment on its database for the purpose of future plagiarism checking).

Lab Partner(s) _Lauren Lee, Shrivani_

Date Performed _2024-10-17_   Date Submitted _2024-10-23_

Lab (*such as #1: UNC*) _A4 RL-LIR_

TA: _Eli Doyle_

GRADE (*to be filled in by your TA*) See your TA for detailed feedback.
An '*x*' next to a subcategory means you need to improve this aspect of your work.

Paper Subtotals (points)

( ) *General* (6)
____ Sig. figs.
____ Units
____ Clarity of Presentation
____ Format

( ) *Abstract* (4)
____ Quantity or principle
____ How measurement was made
____ Numerical Results
____ Conclusion

( ) *Intro & Theory* (9)
____ Basic principle
____ Main equations to be used
____ Apparatus
____ What will be plotted
____ Fitting parameters related

( ) *Exp. Procedures* (15)
____ Description
____ Stating and justifying uncertainties
____ Data Record
____ Quality of Lab Work

( ) *Analysis & Error Analysis* (20)
____ Discussion
____ Equations & Calculations
____ Presentation inc. Graphs, Tables
____ Results Reported & Reasonable
____ Underlined items addressed

( ) *Discussion & Conclusions* (6)
____ Numerical comparison of results
____ Logical conclusions
____ Discussion of pos. errors
____ Suggestions to reduce errors

( ) **Paper Total (60 points)**
(30 points for CME or EPF)

( ) **Notebook (10 points)**
____ Format (*proper style, following directions*)
____ Apparatus (*brief description of equipment, including sketches*)
____ Data (*including computer file names and manually recorded data*)
____ Experimental Technique (*describing your procedures; stating & justifying uncerts.*)
____ Analysis (*results and errors*)

( ) **Worksheet(s)/Fill-in-the-Blank-Report (30 points)** *if applicable*

( ) **Adjustments** – late submissions, improper procedures, etc. – or bonus points for exceptional work.

( ) **Total Grade**

Graded by _____ *(TA's initial)*