

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

Author (You) Trevor N Signature: Trevor N

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Lab Partner(s) Lauren Lee, Koki Takizawa

Date Performed 2024-11-18 Date Submitted 12-21

Lab (such as #1: UNC) #6 LCR

TA: El

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 uncersts.*)
 ____ 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)