

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

Author (You) Tam N.

Signature: Tam N.

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Lab Partner(s) Katherine

Date Performed Feb 7, 2024

Date Submitted Feb 14, 2024

Lab (such as #1: UNC) #2 IP

TA: Phillip

**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)