PHY252 Lab – Rules
08/25/2016
In-lab

• **Before** the lab: write the Introduction part of your lab report and submit it to your TA by the time your lab starts (electronically via blackboard or bring the hardcopy to the lab). This counts as 10% of your lab score (10 points)

• data taking: you work in pairs, but everyone needs to take data and attach their own datasheet to the report
Report

• you write your own report!
• Header (Name, Stony Brook ID, partner’s name, date of lab)
• 3 main parts:
• Introduction: 10 points
• Data Analysis: 50 points
• Conclusion: 20 points
• attach complete datasheet: 10 points
Report – 3 parts

• **Introduction (1/2-1 page):**
  – brief description of the underlying physics and needed formulas
  – description of setup

• Data Analysis

• Conclusion
Report – 3 parts

• Introduction

• **Data Analysis:**
  – description of data manipulation
  – intermediate and final results
  – *error propagation (IMPORTANT!!!)*
  – plots
  – (~2 pages plus plots)

• Conclusion
Report – 3 parts

• Introduction
• Data Analysis
• Conclusion:
  – discussion of results and uncertainties
  – comparison of result to model prediction / known values
  – error discussion (thoughts on systematics, statistical errors)
  – do you think your result is reasonable? Why (not)?
  – (~1/2 page)
Report - rules

• hand in 1 week after your lab (during lab session before lab starts)
• No credit for late reports! (start early!)
• All reports (with all sections completed) must be turned in (no exception!) Missing reports (even one) will result in an F grade (F means failing the class PHY252 & PHY 251)
• 1 lab report with the lowest score will be dropped from the total lab score.
• if you have questions: come to office hours, send e-mail
• in case of serious excuses: document them, come talk to us