

3306 physics laboratories, Spring 2025

Prof. Saptaparna Bhattacharya

<https://www.physics.smu.edu/saptaparnab>



Spectrometers

Resources

- Weekly worksheet and information for your required preparation, experiment introductions, uncertainty analysis summary and labs: <https://www.physics.smu.edu/saptaparnab>

Your learning outcomes today

Keep asking your instructor until you have thoroughly understood the concept of uncertainties.

- ☐ Demonstration of polarization with lasers
- ☐ Calibrate the spectrometer and identify Balmer spectrum lines for Hydrogen and Mercury
- ☐ Perform the experiment following instructions in the jupyter-notebook

Additionally you will need to know how to

- ☐ work with jupyter-notebooks

Make use of your instructor's office hours and ask them about your graded worksheet/report or about your preparation for the following week's experiment.

Notes: