

OUTLINE

Module 2: Helium Neon Lasers - Third lab period

- First we will check mirror alignments and correct if misplaced
We believe that this will be the shortest step to complete if the other teams working on this lab didn't mess with the alignment too much.
- We will calibrate the Monochrometer
 - Mixture of Hg and Ar used as calibration source - known wavelengths let us determine the calibration constantWe think that this will be the step that will take the longest time to complete because we will have to use a different light source and adjust the Monochrometer to be able to calibrate accurately
- Analysis: Continue our work on analysis of recorded wavelengths (now we can adjust them with the calibration constant)
 - If more precision is needed, retake data with the Lock-in amplifier
- Work on the rest of the analysis by answering the lab questions and organizing the lab notebook