

OUTLINE

Module 2: Helium Neon Lasers - Second lab period

- First we will align the end mirrors so that the spectrometer is working correctly
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.
- Take more photos of mode patterns for the laser
 - We want to try to get cylindrical patterns
- Analysis: Compare signals with data from the light spectrum of the laser (chopper on and chopper off)
 - If more precision is needed, retake data with the Lock-in amplifier
We think that this will be the step that will take the longest time to complete because we have already done the previous activities in the last lab session, making those steps easier.
- Work on the rest of the analysis by answering the lab questions and organizing the lab notebook