

Spectroscopy Lab Instructions

Follow the instructions in the Lab Manual.

A few notes:

Helium

- Record all He lines up to and including 2nd order
- Provide visualization of first order lines in report
- Determine d based on known He wavelengths

Hydrogen

- Record all H lines up to and including 2nd order
- Provide visualization of first order lines in report
- Calculate wavelengths
- Calculate Rydberg constant

Helium-Neon Laser

- Does laser radiation match with neon lines and/or helium lines? Why?