### Meeting Presentation

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2017-05-18

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1. Progress Update

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2. Next Steps

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# Monochromator Power Supply



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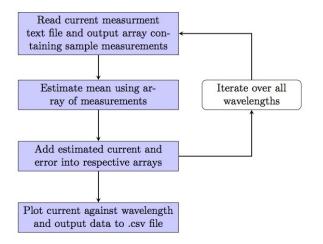
#### Preliminary Study Outline

- 0. Current across S1227 Photodiode as a Function of Wavelength
- 1. Transmission Percentage as a Function of Wavelength Control
- 2. Transmission Percentage as a Function of Wavelength Acrylic Plate
- 3. Transmission Percentage as a Function of Wavelength Silicon Cookie
- 4. Transmission Percentage as a Function of Wavelength Silicon Cookie Interfaced with Acrylic Plate

### Experiment 0

- **Purpose**: Characterize photodiode by relating wavelength of light to current response
- Method: Use monochromator to select light of wavelengths 270, 280, 290, ..., 490, 500 nm. Take 100 current measurements for each wavelength.

# runExperiment0.py



### runExperiment0.py



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## Next Steps

- Start experiment 0
- Write up plans for experiments 1, 2, 3, and 4

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- Silicon gel cookie
- Potential machine shop training