## Mirror Reflectivity Results

## Process

- Measure light directly into integrating sphere
- Do this as a control for each angle
- Day to day drift of the DAQ, coupling, etc
- Focus light on back of sphere at angles
- Compare DC current out of PMT








## Problems

- Wiggles at high wavelengths for shallow reflections
- Over unity reflectance at 60 deg
- I suspect both of these are related to overtones from the monochromator that show up at strange angles, am still investigating this

angles reflected from the focusing mirror


angle photon makes with the side mirror (if it were to reflect)


angles reflected from the focusing mirror

angle photon makes with the side mirror (if it were to reflect)






