

## **LTC 2016 Summer Program**

- Eight physics undergraduates working in groups of 2-3 students on projects involving:
  - Diffraction from offset cylinders
  - HG and LG modes (and mode conversion) from open-cavity laser
  - Determination of polarization properties of generalized optics
- Activities include:
  - Focused research time on projects (listed above)
  - Journal club—reporting on peer-reviewed papers related to projects
  - Mini-lectures: material presented to students giving optics foundation
  - Challenge projects: experimental explorations to develop optics skills and knowledge
  - Keeping laboratory notebooks and making weekly progress reports
  - Related enrichment activities including tours of AMO research labs, attending AMO seminars, and participating in OSA Student Chapter meetings