

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