

TECHNICAL TOURS

Tuesday, February 11, 2014

Tour #1 (2pm – 4pm)

Laser Interferometer Gravitational-Wave Observatory

The Laser Interferometer Gravitational-Wave Observatory (LIGO) is a facility dedicated to the detection of cosmic gravitational waves and the measurement of these waves for scientific research.

Tour #2 (3pm – 5pm)

Center for Advanced Microstructures and Devices at LSU

CAMD is a Research Center where Synchrotron Light is used for:

- Energy - Developing new materials for fuel production - DOE Energy Frontier Research Center
- Environment - Understanding toxic byproducts of combustion – NIEHS Superfund project
- Medical / Biomedical - Developing new drugs and treatments Killing Cancer with a new more-effective radiation therapy - A US Army Medical Research funded Project with Mary Bird Perkins Cancer Center
- Microfabrication - Developing the new micromachines of the future

Participants will tour the facility, talk about what is a synchrotron as well as have research groups talk about their own research.