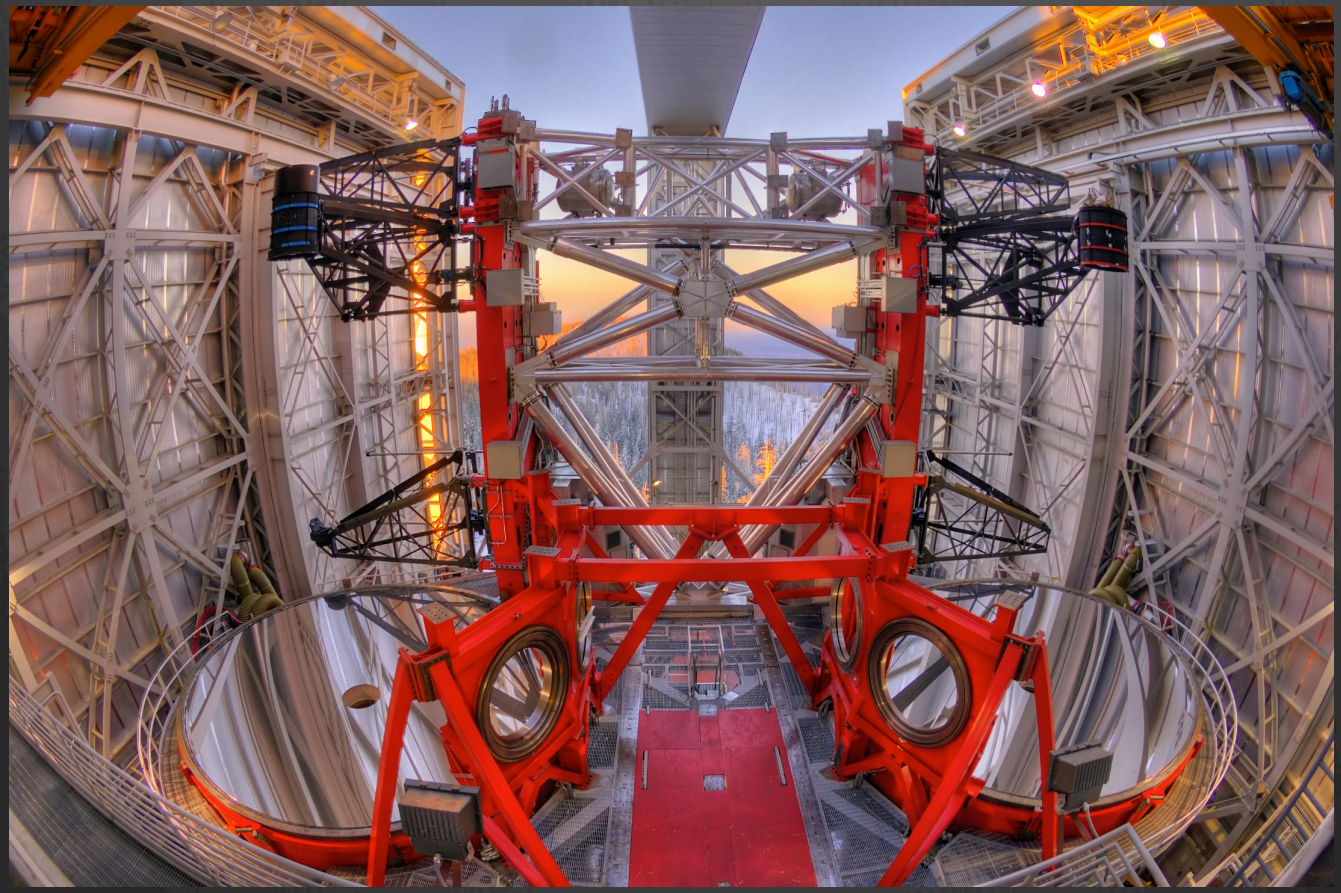
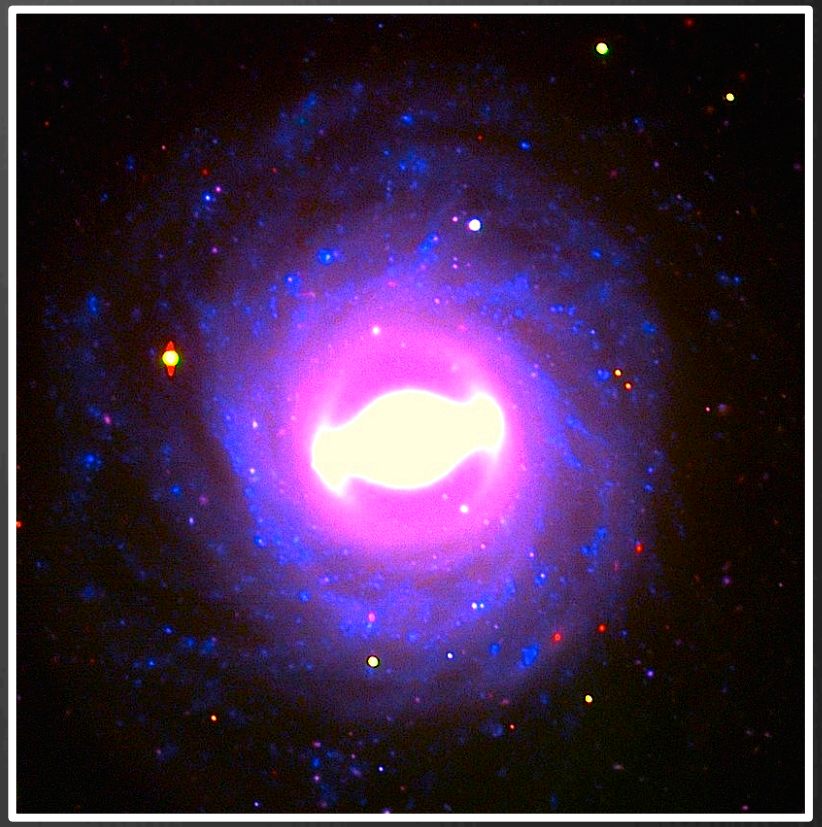
# GW Event Follow-up with the Large Binocular Telescope

Peter Garnavich (Notre Dame)
Also U. Arizona, Ohio State?

# Large Binocular Telescope



**Two 8.4-m mirrors on the same mount – future interferometry**
**Now: Two large telescopes with complementary instruments**

# Follow-up

- Large Binocular Camera: Red-optimized on the right, Blue-optimized on the left
- 23'x23' field of view – enough to cover a nearby galaxy in a single image
- Simultaneous 2-filter imaging to search for transients with interesting colors
- MODS dual channel spectrograph – cover 320 nm to 1 micron at moderate resolution
- LUCIFER near-IR imaging/spectrograph 0.8 to 2.3 microns (two grating settings)
- Simultaneous UV, Optical, near-IR spectroscopy of a transient with MODS (left) and LUCIFER-II (right)