

# Astrophysics Seminar

## Monday, October 6, 2014

### Probing the Black Hole in the Galactic Center at Radio through Submillimeter Wavelengths

**James Moran**

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### Abstract:

I will describe the progress on imaging SgrA\*, the radio source associated with the black hole in the center of our galaxy at 1 mm wavelength. A big improvement in imaging capability will be realized next year when ALMA, the LMT and the South Pole Telescope are added to the Event Horizon Telescope (EHT), a VLBI network operating at 1 mm wavelength. I will also describe the flux monitoring campaigns at radio through submillimeter wavelengths over the past two years, which so far have shown no effects of the tidal breakup of the orbiting object known as G2.

### Next Week (Tuesday, 10/14)

- *Cara Battersby*  
*Center for Astrophysics*
- Infrared Dark Clouds

