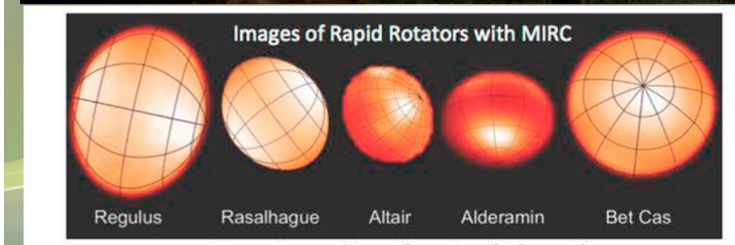
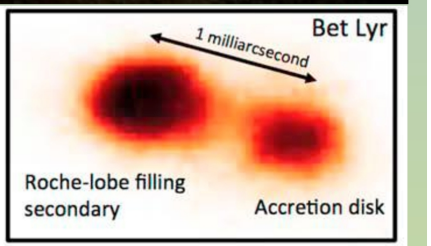
Milliarcsecond Astronomy with the CHARA Array

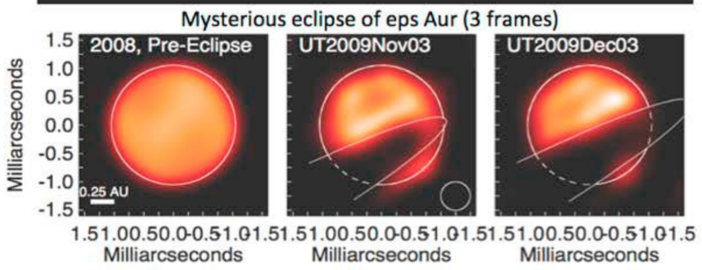
Community Workshop
Caltech/IPAC, Pasadena, California
Sunday, October 8, 2017

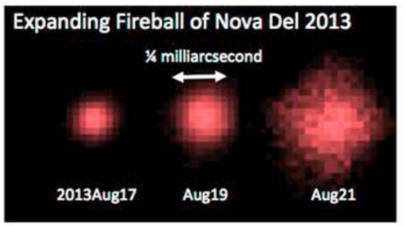
- **Principles of stellar interferometry**
- **Overview of the CHARA Array and other interferometers**
- **Science review of recent results from interferometry**
- **Observing strategies and planning**
- **How to apply for time at the CHARA Array**
- **Overview of modeling and imaging software**

Information and registration:
http://www.chara.gsu.edu/workshops/caltech









CHARA Community Workshops

- Already held:
  - Carnegie – 2017 Mar 15
  - University of Toledo – 2017 Sep 8
    - 22 people, 7 institutions
- Upcoming:
  - Caltech/IPAC - 2017 Oct 8
  - AAS – 2018 Jan 7
  - SPIE (Jun), Cool Stars (Aug)

Community Workshop Topics
Overview of the CHARA Array
Principles of Interferometry and Science Review
Applying for Time
Observing Strategies and Planning Software
Data Format and Modeling/Imaging Software
Selected science topics / interferometers

CHARA Website

- Adding content on basics of interferometry, planning observations
- Expand sections under Science Highlights
- Active webpage
- Press kit

Exhibit Hall

- Update display panels with recent results
- Interactive displays
- Create fringes with Michelson beam using laser

Public Outreach

- “100 years of stellar sizes” - 2019
- Coordinate with MWI outreach efforts
- Carnegie open house
- LAAS
- Local schools
- Public talk series