



# UCR PHYSICS ASTRONOMY

## Department Statistics (Fall 2018):

### Faculty and Students

- 44 Senate Faculty
- 183 Undergraduates Students (50 incoming)
- 144 Graduate Students (34 incoming)

### Graduates (2017-18)

- ❖ 24 Students with a Bachelors Degree
- ❖ 26 students with a Masters of Science Degree
- ❖ 13 students with a Doctor of Philosophy Degree

# Teaching & Research Excellence

## 44 Distinguished Faculty

### – Teaching Awards

- 1 Distinguished Teacher of the Year
- 3 Distinguished Teaching Innovation Award
- 2 Junior Faculty Excellence in Teaching Awards

### – Junior Faculty Awards

- 7 US National Science Foundation Career Award Winners
- 3 US Department of Energy Young Investigator Award Winners
- 2 US Office of Naval Research Young Investigator Award Winners
- 1 OCPA Outstanding Young Researcher Award (Macronix Prize)
- 1 Sloan Foundation Fellow
- 1 Cottrell Scholar Award winner

### – Senior Awards

- 1 Nobel Prize, 1 Harry Draper Medal, 1 Princess of Asturias Award
- 1 National Academy Member
- 9 American Physical Society & 1 American Vacuum Society Fellows
- 4 American Association Advancement Science Fellows
- 1 Guggenheim, 1 Humboldt
- 1 Bardeen Prize
- 1 Am. Physics Soc. Panofsky Prize

# Astronomy & Astrophysics

## *Observational Cosmology*

**George  
Becker**



**Gabriela  
Canalizo**



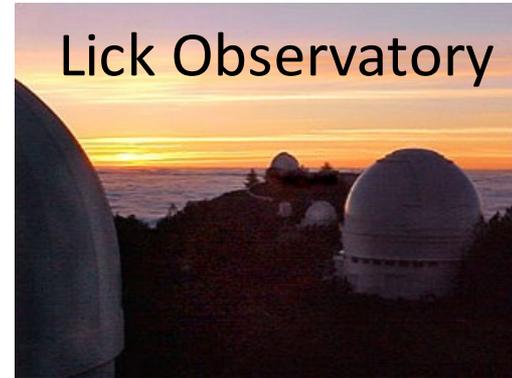
**Frederick  
Hamann**



**Bahram  
Mobasher**



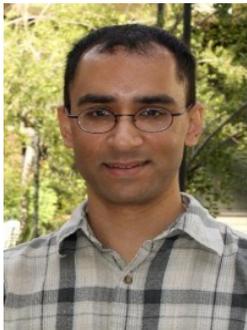
Lick Observatory



Keck Observatory



**Naveen  
Reddy**



**Laura  
Sales**



**Brian  
Siana**



**Gillian  
Wilson**



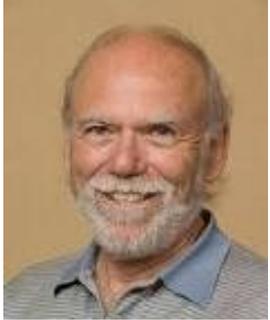
Hubble  
Space  
Telescope



2017 Nobel Prize  
in Physics



# High Energy & Nuclear Physics



**Barry Barish**



**Ken Barish**



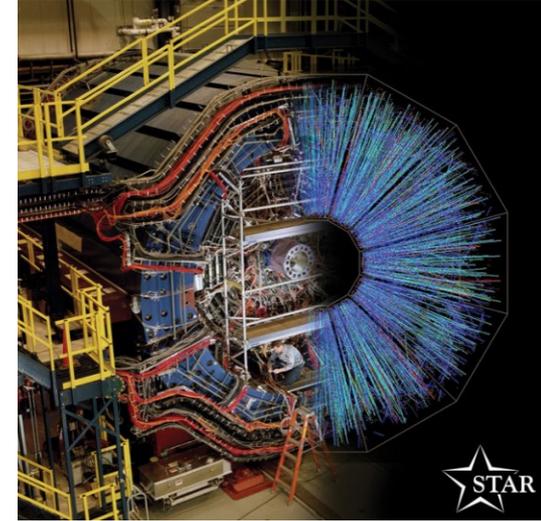
**Bob Clare**



**John Ellison**



**Bill Gary**



**Gail Hanson**



**Owen Long**



**Rich Seto**



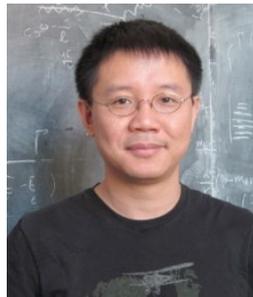
**Steve  
Wimpenny**



**Yanou Cui**



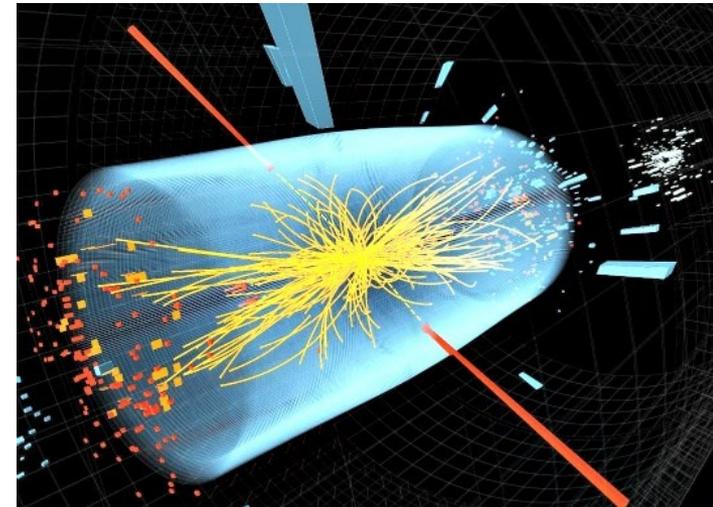
**Jose  
Wudka**



**Haibo Yu**



**Flip Tanedo**



# Condensed Matter Faculty



**Vivek Aji**



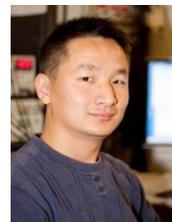
**Igor Barsukov**



**John Barton**



**Ward Beyermann**



**Yangtao Cui**



**Nathan Gabor**



**Börge Hemmerling**



**Thomas Kuhlman**



**Joshua Lui**



**Allen Mills**



**Umar Mohideen**



**Michael Mulligan**



**Leonid Pryadko**



**Jing Shi**



**Kirill Shtengel**



**Harry Tom**



**Shan-Wen Tsai**



**Peng Wei**



**Jory Yarmoff**



**Roya Zandi**

# “3+1” Graduate Preparation Program-Physics

- 10 weeks + 4<sup>th</sup> year at UCR (Years 1-3 at home institution); B.S. degree conferred by home institution
- 10 weeks including Scientific Writing and summer research in a research group of the Department of Physics and Astronomy
- 4<sup>th</sup> year at UCR: 12 credits/quarter (x 3 quarters)
- 5<sup>th</sup> year options
  - One-year OPT
  - Master’s program at UCR
  - Ph.D. program at UCR
  - Master’s and Ph.D. elsewhere
  
- USTC GPA > 3.0
- TOEFL 550 PBT, iBT 80 or IELTS 6.5
- Fees