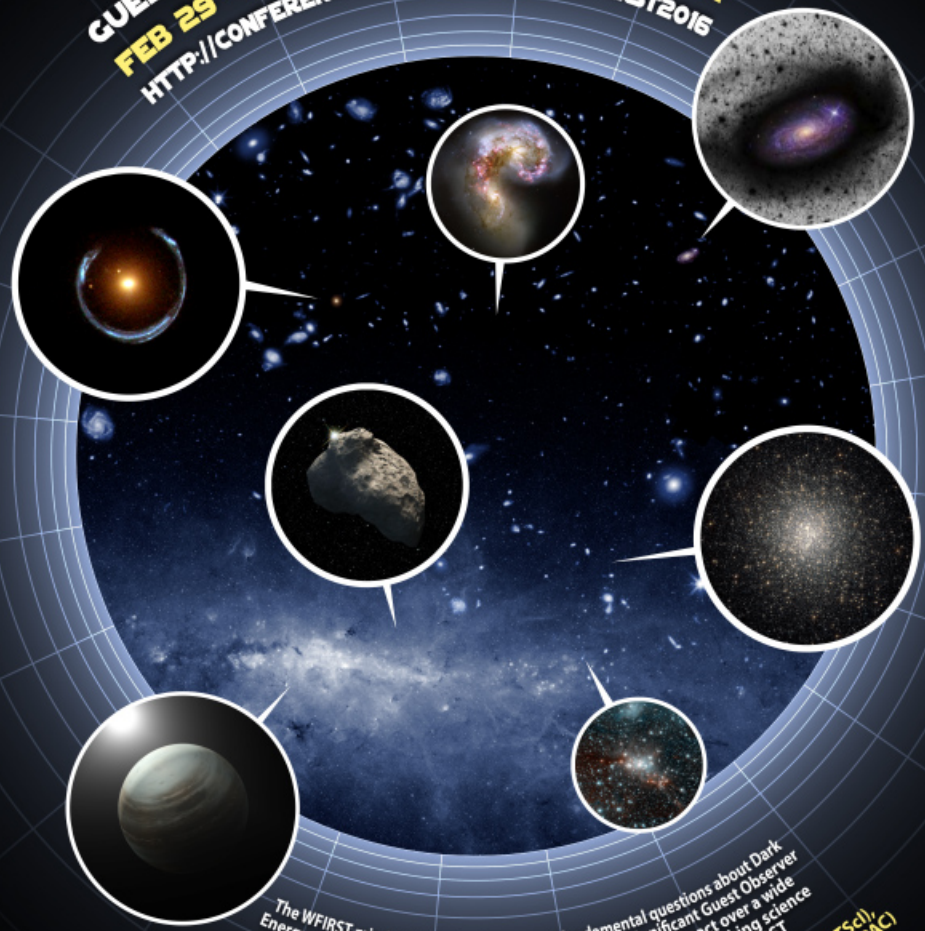
COMMUNITY ASTROPHYSICS WITH WFIRST:

GUEST OBSERVER AND ARCHIVAL SCIENCE

FEB 29 - MARCH 2, 2016 IN PASADENA, CA

HTTP://CONFERENCE.IPAC.CALTECH.EDU/WFIRST2016



The WFIRST mission is designed to answer fundamental questions about Dark Energy, Exoplanets and infrared astrophysics. With a significant Guest Observer and archival science program, WFIRST will have a broad impact over a wide range of astrophysics. This meeting will focus on the groundbreaking science that can be done with the GO and archival opportunities of WFIRST

Science Organizing Committe: N. Gehrels (GSFC), L. Armus (IPAC), H. Ferguson (STScI), S. Gaudi (OSU), J. Kalirai (STScI), D. Kirkpatrick (IPAC), H. Schlichting (MIT), Y. Wang (IPAC)

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Meeting goals

- Highlight and discuss the rich and diverse GO and Archival science of WFIRST.

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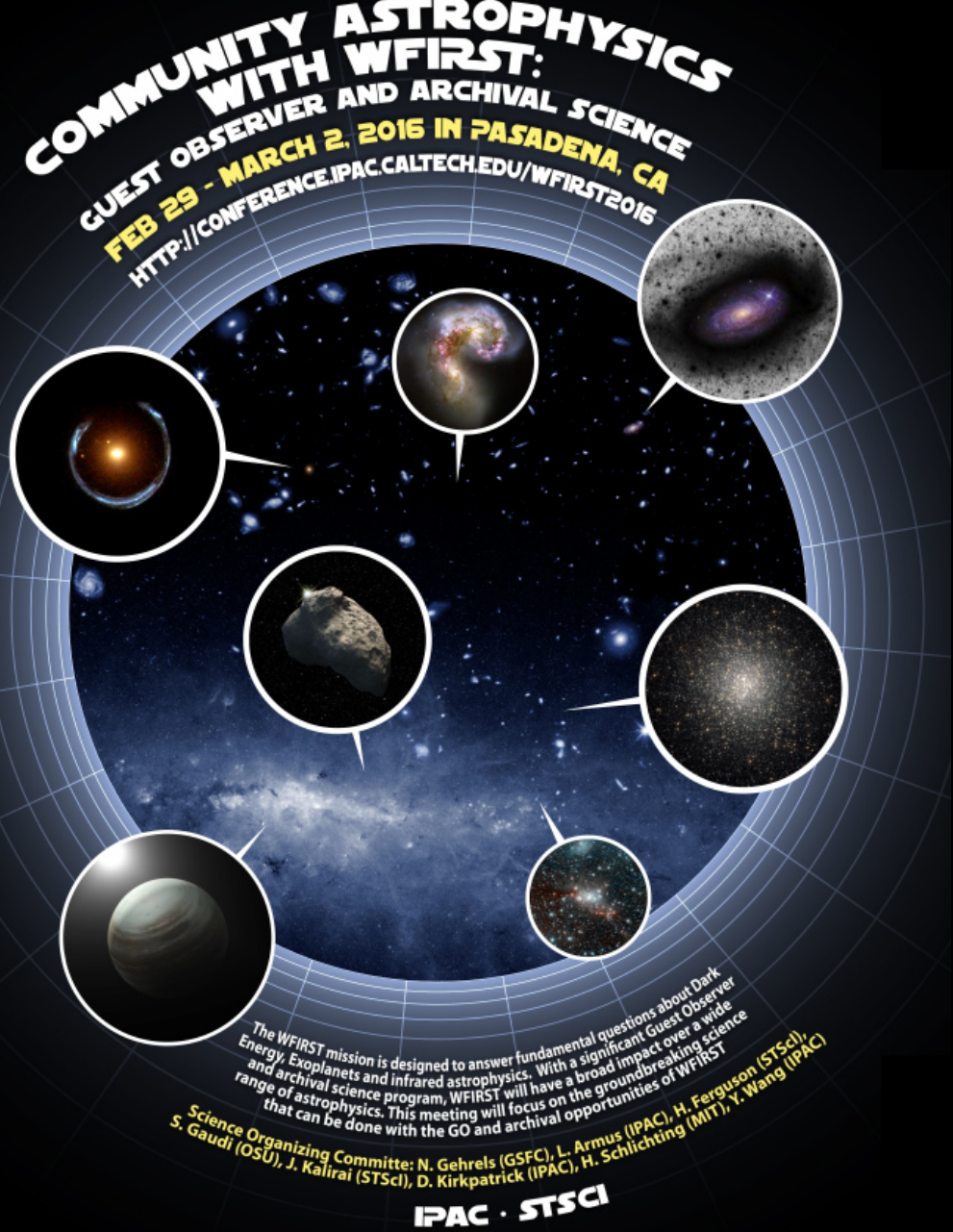
- Build on past meetings, 2015 SDT report. Diverse science includes:

Re-ionization, high-z QSOs, galaxy clusters, gravitational lenses, DM, galaxy evolution, AGN, Galactic structure, stellar populations, transient sources, stellar evolution, astroseismology, exoplanet atmospheres, Kuiper belt/TNO's...

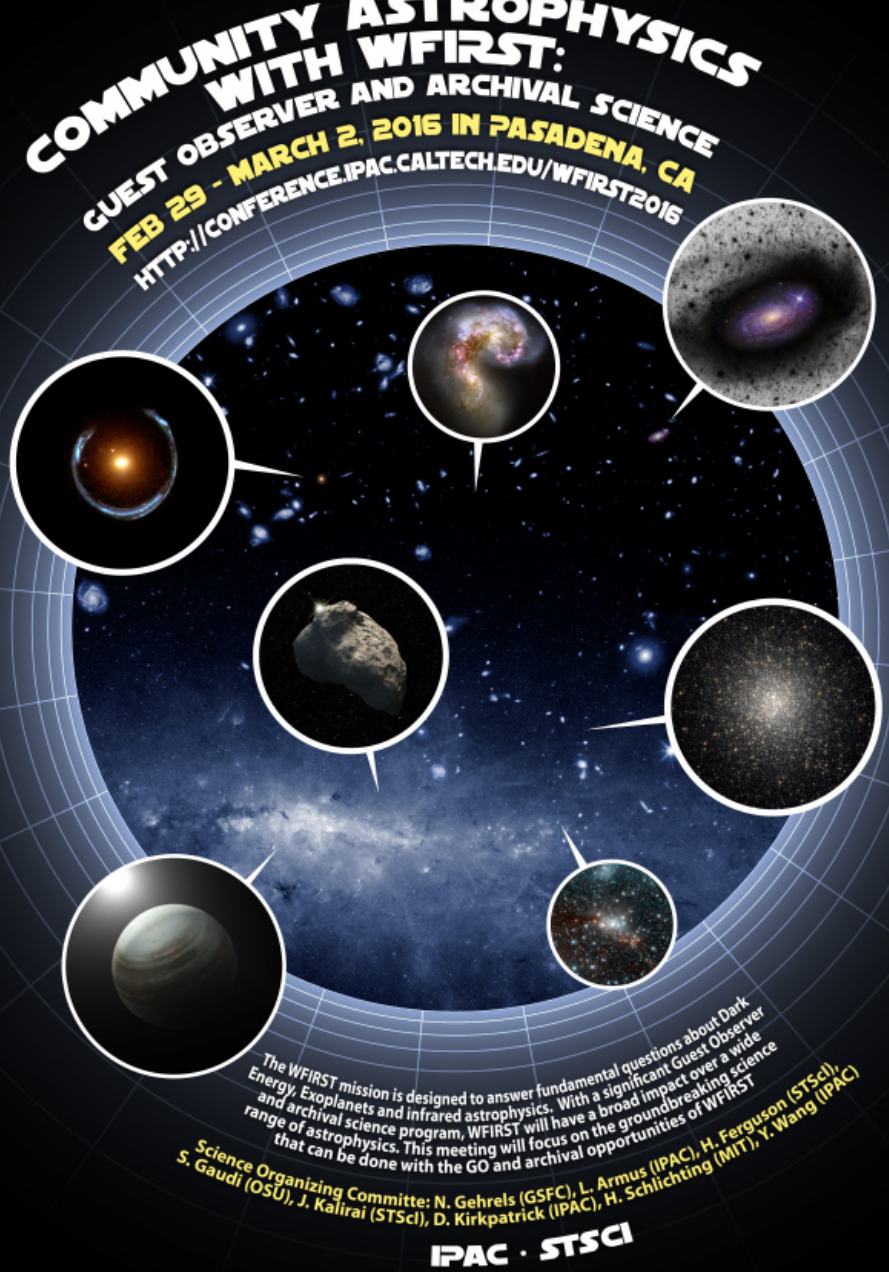


Meeting goals

- Highlight and discuss the rich and diverse GO and Archival science of WFIRST.

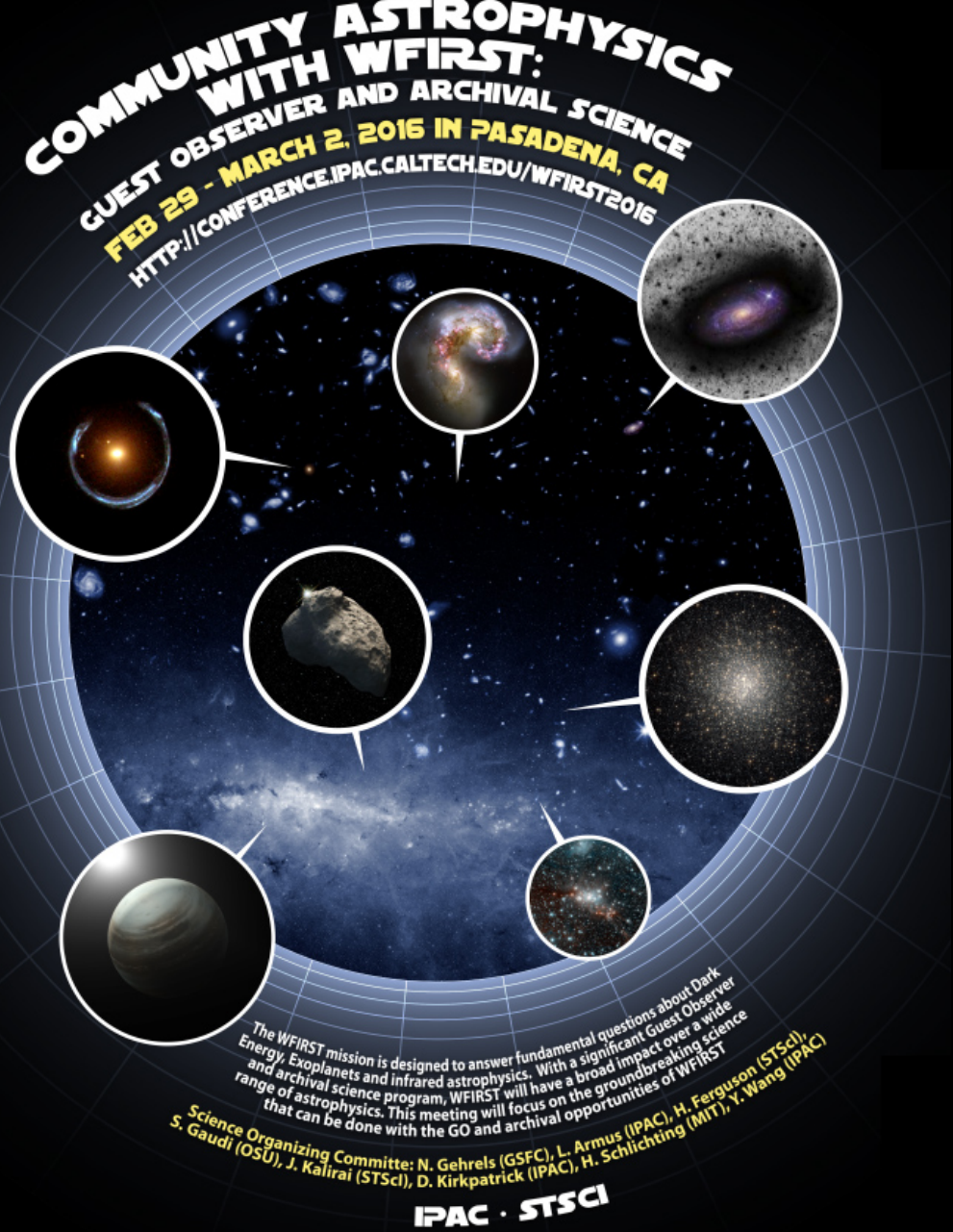
WFIRST: HST resolution with 100x fov

- ✓ 30,000 galaxies at z > 8
- ✓ 380 million galaxy shapes
- ✓ 16 million galaxy spectra
- ✓ 40,000 clusters
- ✓ 2700 SNe light curves/spectra
- ✓ 3000 bound exoplanets
- ✓ 5000 TNOs



Meeting goals

- Highlight and discuss the rich and diverse GO and Archival science of WFIRST.
- Present the current WFIRST baseline design.
- Meet Science Investigation Teams (SITs) and Adjutant Scientists.
- Discuss Phase-A science center roles of GSFC, IPAC, & STScI.



Logistics/information

- Speakers get your talks to the organizers/chairs for loading on the laptop during the break before your session.

  We plan to post talks on our web site.

- There are 3 breakout rooms available for use during the meeting. Some time slots are already reserved – see the registration desk for details (it will be staffed for the entire meeting).

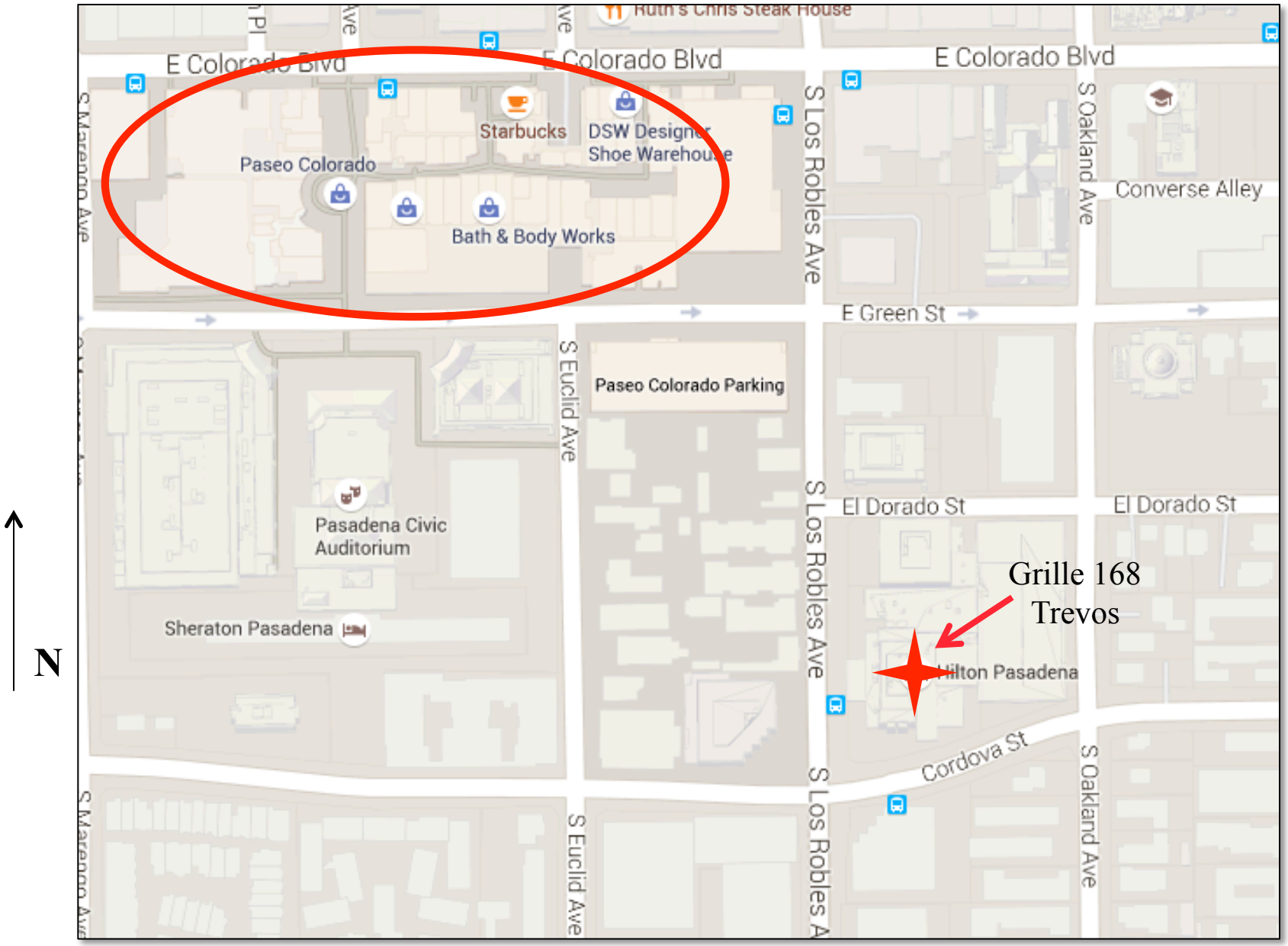
- Wireless: "hiltonmtg", no password needed.

- Lunch: Your on your own. Paseo (NW) and Colorado Blvd. (N) are within easy walking distance with plenty of options.

- Reception: Tuesday night, 6pm, in the poster/break room.

- WPS meeting is here on Thursday. See Neil G. for details.

Local area around Hilton



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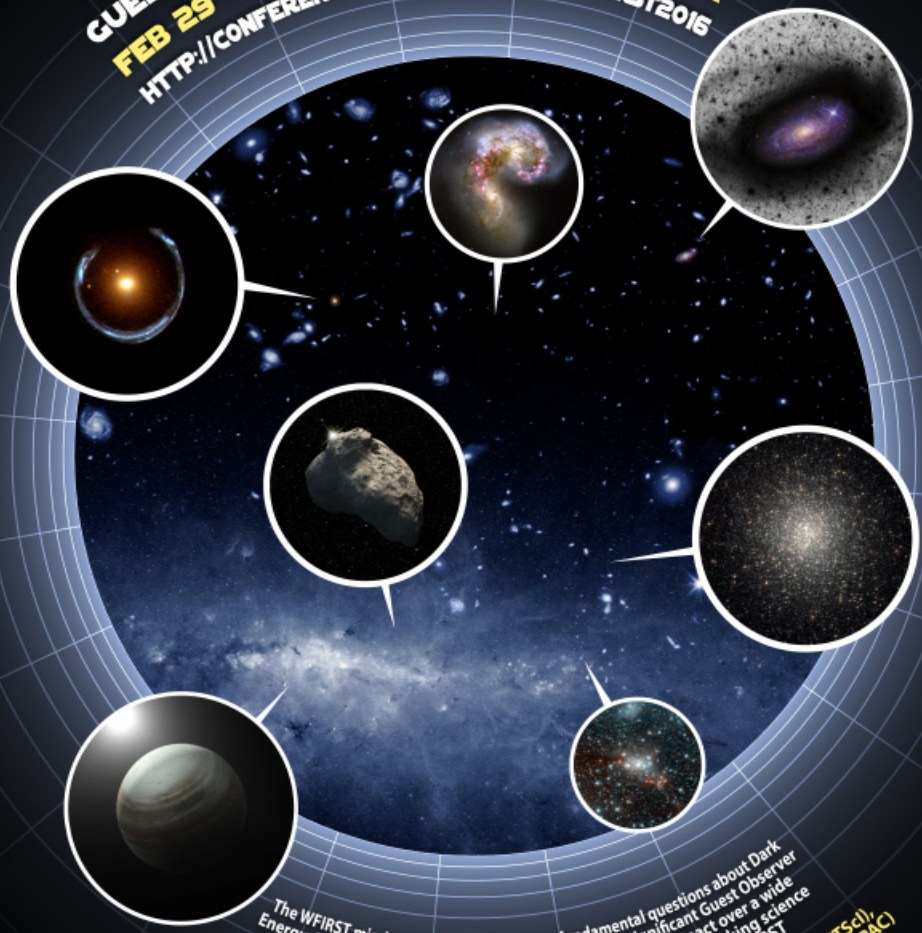

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