

Monday, 9 March 2015

8:15-8:45 Breakfast - Cafe Azafran

8:50-9:00 Welcome
Dr. Kathryn Flanagan, Interim Director, STScI

Session 1 Chair: Nikole Lewis

9:00 Matteo Brogi (University of Colorado)
Exoplanet Atmospheres at High Spectral Resolution

9:25 Renyu Hu (Jet Propulsion Laboratory)
Measuring Atmospheric Compositions of Giant Exoplanets and Distinguishing Water-World Exoplanets with Direct-Imaging Exoplanet Missions

9:50 Leslie Rogers (Caltech)
Origins and Demographics of Super-Earth and Sub-Neptune Sized Planets

10:15 Discussion

10:30-10:45 Coffee Break

Session 2 Chair: Jason Tumlinson

10:45 James Owen (Institute for Advanced Studies)
Evaporation of Close-In Exoplanets

11:10 Andy Skemer (University of Arizona)
Imaging Cool Exoplanets with Cool Instruments

11:35 Zhaohuan Zhu (Princeton University)
Transitional Disks: Asymmetry and Young Planets

12:00 Discussion

12:15 Jason Tumlinson (STScI)
'Beyond JWST' Study/ATLAST

12:45-1:30 Lunch - Cafe Azafran

Session 3 Chair: John Debes

1:30 Xuening Bai (Smithsonian Astrophysical Observatory)
Magneto-Photoevaporation of Protoplanetary Disks

1:55 Jacqueline Faherty (Carnegie/DTM)
Clouds in the Coldest Brown Dwarfs

- 2:20 Andreas Küpper (Columbia University)
Globular Cluster Streams as Galactic High-Precision Scales
- 2:45 Robin Dong (UC Berkeley, Lawrence Berkeley National Laboratory)
Observational Signatures of Planets in Protoplanetary Disks
- 3:10 Discussion
- 3:25-3:40 Afternoon Break**
- Session 4 Chair: Peter McCullough**
- 3:40 Fabienne Bastien (Penn State University)
Observing Convection in in Cool Stars Through Light Flicker
- 4:05 Adam Miller (Jet Propulsion Laboratory)
A New Photometric Technique to Discover Extremely Metal Poor Stars
- 4:30 Ondrej Pejcha (Princeton University)
Burying a Binary: Explaining the Candidate Stellar Merger V1309 Scorpii
- 4:55 Pier-Emmanuel Tremblay (STScI)
Evolution of White Dwarfs in 3D
- 5:20 Discussion
- 5:35 Adjourn**
- Dinner on Own

Tuesday, 10 March 2015

8:30-9:00 Breakfast - Cafe Azafran

Session 5 Chair: Janice Lee

9:00 Daniel Weisz (University of Washington)
Precision Measurements of the High-Mass Stellar IMF

9:25 Evan O'Connor (North Carolina State University)
Neutrino Emission from Core-Collapse Supernovae

9:50 Xin Liu (UC, Los Angeles)
Testing Relativistic Redshifts in AGN Broad Emission Lines

10:15 Discussion

10:30-10:45 Coffee Break

Session 6 Chair: Colin Norman

10:45 Michael McDonald (Massachusetts Institute of Technology)
The Phoenix Galaxy Cluster: Cooling and Feedback in Action

11:10 Georgiana Ogreaan (Harvard-Smithsonian Center for Astrophysics)
A Multiwavelength View of the HST Frontier Clusters

11:35 Jonathan Trump (Penn State University)
The Active Galaxy Census: Does it Take a Special Galaxy to Fuel a Supermassive Black Hole?

12:00 Discussion

12:15-12:30 Group Photo

12:30-1:30 Lunch - Cafe Azafran

Session 7 Chair: Andy Fruchter

1:30 Laura Lopez (Harvard-Smithsonian Center for Astrophysics)
Observational Tests of Cosmic-Ray Diffusion in the Magellanic Clouds

1:55 Joey Neilsen (Massachusetts Institute of Technology)
A Census of Flares from the Galactic Center

2:20 Sjoert van Velzen (Johns Hopkins University)
Stellar Tidal Disruption Flares as New Probes of Black Hole Physics

- 2:45 Benjamin Shappee (Carnegie Observatories)
The All-Sky Automated Survey for Supernovae (ASAS-SN)
- 3:10 Discussion
- 3:25-3:45 Afternoon Break**
- Session 8 Chair: Molly Peeples**
- 3:45 Cora Dvorkin (Harvard University)
Deciphering the Early Universe: Connecting Theory with Observations
- 4:10 Peter Behroozi (STScI)
Using Galaxy Pairs to Probe Star Formation During Major Halo Mergers
- 4:35 Rachel Bezanson (Steward Observatory, University of Arizona)
Tracing Massive Galaxy Growth Through Cosmic Time
- 5:00 Jessica Werk (UC, Santa Cruz)
The Large Reservoirs of Gas Around Galaxies
- 5:25 Discussion
- 5:40 Adjourn**
- 6:00-6:15 STScI Shuttle to Restaurant**
- 6:15-9:00 Reception and Dinner**
Gertrude's Restaurant, The Baltimore Museum of Art
- 8:45-9:15 STScI Shuttle from Gertrude's to the Colonnade**

Wednesday, 11 March 2014

8:30-9:00 Breakfast - Cafe Azafran

Session 9 Chair: Laura Watkins

9:00 Michelle Collins (Yale University)
The Faintest Galaxies as Dark Matter Probes

9:25 Emily Levesque (University of Colorado at Boulder)
Ultraviolet Spectroscopy and ISM Diagnostics of Star-Forming Galaxies

9:50 Erik Tollerud (Yale University)
Constraining Local Group Quenching

10:15 Discussion

10:30-10:45 Coffee Break

Session 10 Chair: Dan Coe

10:45 Guangtun Zhu (Johns Hopkins University)
Absorption Spectroscopy in the Big-Data Era

11:10 Shy Genel (Columbia University)
High Redshift Galaxies in the Illustris Simulation

11:35 Adi Zitrin (Caltech)
Fishing for Lines in the Lensed High-z Universe

12:00 Discussion

12:15-1:15 Lunch - Cafe Azafran

Session 11 Chair: Claus Leitherer

1:15 Steve Rodney (Johns Hopkins University)
Exploding Stars in Interesting Places

1:45 Hubble Fellowship Program Discussion

2:30 Adjourn

**3:30 STScI Colloquium:
Professor Rob Simcoe
Massachusetts Institute of Technology
“Heavy Element Enrichment in Early Intergalactic and Circumgalactic Environments”**