

SCHEDULE OF PRESENTATIONS

9:00-10:15 Session I— Pre-main sequence objects and binaries

The Infrared Excess in the Eclipse of KH 15D

Scott Allen, Vassar '12

Short Timescale Variations in the Spectrum of Beta Lyrae

Lauren Bearden, Colgate '14, Justin Rupert, Vassar '12, Raymond Luu, Vassar '15

Teething Rings: Modeling the Circumstellar Disks of T Tauri Stars

Ben Tweed, Wesleyan '13, and Michael Fusco, Colgate '13

An Analysis of the Evolving Light Curves for The Binary System of θ^1 Orionis B (BM Ori)

Melanie C. Pinette, Bowdoin '12

Pluto-Charon and Pluto-Hydra Double Occultations of June 2011

David Amrhein, Wesleyan '12, and Shubhanga Pandey, Williams '13

10:45-12:00 Session II—Solar System Astronomy—Ours and Others

Observatory Optimization for Acquiring and Analyzing Accurate Exoplanet Light Curves

Matthew Grossman, Middlebury '13, Lynn Geiger, Wellesley '13, and Helen Ressler, Wellesley '14

Error in Fitting Transiting Exoplanet Data

Jacob S. Gilbert, Haverford '12

TERMS and Updating the Exoplanet Ephemeris

Yuwen Wang, Swarthmore '14

Catalysts of the Explosion: Stromatolites and their Ignition of the Rise of Complex Life on Earth

Rachel Harris, Wellesley '14

Sourcing the Surface of Vesta: Here, There, or Everywhere?

Isabelle Erb, Wellesley '13

1:30-2:45 Session III—Beyond the Milky Way

Photoionization Models of Planetary Nebulae in M31

Matthew Hosek, Williams '12, Aven King, Williams '12, and Alice Sady, Williams '13

Starbursting Tadpole Galaxies at Low and High Redshift

Joseph Putko, Middlebury '13, and Janosz Dewberry, Vassar '13

Analysis of the Optical Variability of Quasars S5 0716+714 and PKS 0754+10

Erica Hopkins, Haverford '14, and Katie Iadanza, Colgate '13

Wire We Here? Polarization Grid Fabrication with the PIPER Project

Alyssa Barlis, Williams '13

3:00-4:00 Session IV—Surveying the Milky Way

Testing Photometric Methods of Distinguishing Giant from Dwarf Stars

Rebecca Nakaba, Bennington '13, and Sam Storck-Post, Beloit '13

Monitoring H α Emission-Line Stars in Open Clusters

Allen Davis, Williams '14, and Yaron Teich, Vassar '13

First Results of the C Field of the ALFA ZOA Survey

Alex Truebenbach, Wesleyan '12