

Keck Northeast Astronomy Consortium
2013 Undergraduate Symposium
Final Schedule of Presentations V3.0
Saturday, 26 October

Coffee and Pastries: 8:30-9:00 AM - Outside Taylor Hall 203

First Session 9:00-10:25 AM - Taylor Hall 203

- 1.1. Carbon Abundances of Ten Planetary Nebulae in the Milky Way Disk, Kerry Hensley, Williams College, and Tina Seeger, Williams College
- 1.2. Gas Phase Silicon in the Interstellar Medium, Alyssa Sokol, Colgate University
- 1.3. Finding the Rotational Velocities of Young M Stars, Catherine Martlin, Swarthmore College
- 1.4. Continuing the Cyg OB2 Radial Velocity Survey: Looking for Massive Star Binaries, Jamison Burke, Swarthmore College
- 1.5 Crab Pulsar Gamma-Ray Rate and Angular Resolution Analysis with the VERITAS Array, Anna Payne, Wellesley College

10:25-11:00 Coffee Break and Poster Session: Modeling the Circumstellar Disk of HD 141569, Will Harney, Union College

Second Session 11:00-12:15

- 2.1. The Effect of High Energy Photons on Planet-Forming Disks in the Orion Nebula, Lauren Bearden, Joshua Reding, and Brandon Zaccardo, Colgate University, and Daniel DeLuzio, Haverford College
- 2.2. An Investigation of the Circumstellar Disk around TYC-4496-780-1, Frankie Encalada, Broward College
- 2.3. Using Kepler Data to Identify Possible Atmospheric Features in Exoplanets, Estella de Souza, Bryn Mawr College
- 2.4. Observations of Orbital Period Changes in Contact Binaries, Gangandeep Anand, Vassar College, and Anissa Benzaid, Wellesley College

Lunch 12:15-1:30

Third Session 1:30-2:35

- 3.1. Photometric Variability in Herbig Ae/Be Star T Orionis, Rachel Pedersen, Bates College
- 3.2. Monitoring Variability in Massive Stars, Gillian Beltz-Mohrmann, Wellesley College, and Mona Sami, Williams College

- 3.3. Searching For Exoplanets Orbiting White Dwarfs, Jesse Tarnas, Wesleyan University
- 3.4. X-ray Fibrillation in the Heart of NGC 4395, Trevor Dorn-Wallenstein, Wesleyan University

2:35-3:05 Coffee Break and Poster Session

Fourth Session 3:05-3:35

- 4.1. Single-Chord Stellar Occultation by 50000 Quaoar Allen B. Davis, Williams College
- 4.2. The Black-Drop Effect at the 2012 Transit of Venus, Zeeve Rogoszinski, Vassar College