

KNAC Student Astronomy Research Symposium

All sessions are in Science Center 101

Breakfast/coffee 8:15–9:00

Session 1: 9:00–10:30

A Survey of the Discrete X-ray Source Population of M51

Catherine Martlin, Swarthmore College and Greg Schulman, Wesleyan University/Clark University

Multiplicity of High-z SMGs

David Ball, Whitman College

Discovery of Compact Quiescent Galaxies at Intermediate Redshifts in DEEP2

Kirsten N. Blancato, Wellesley College

Exploring the Structural Evolution of Massive Quiescent Galaxies in the CANDELS Fields

Gagandeep Anand, Vassar College

Exploring the Properties of Radio-Faint Quasars: Loudness and Reddening

Kathryn Kooistra, Muhlenberg College

Optical Variability of the Blazar BL Lacertae During Summer 2014

Katie Karnes, Colgate University, and Anneliese Rilinger, Williams College

The Optical and Radio Variability of the Blazar 3C 454.3

Luna Zagorac and Zachary Weaver, Colgate University

Break and poster viewing: 10:30–10:50

Session 2: 10:50–12:15

Examining Social Movements within the Context of Space Astronomy Policy and their Implications for New Models of the Academic Research Cycle

Hannah E. Harris, Wellesley College

Protoplanetary Disks in Chamaeleon I

Lindsay DeMarchi, Colgate University

Constraining Dust Properties in Dense Molecular Cloud Cores

Trevor Dorn-Wallenstein, Wesleyan University; Carolyn Morris, Colgate University; Angelica Rivera, Vassar College; Gregory Zengilowski, Colgate University

Surveying White Dwarfs for Transiting Exoplanets

Girish Duvvuri, Wesleyan University

Detection of the Slope of Rayleigh Scattering Using HYDRA

Coady Read Johnson, Wesleyan University

Resolving the Dusty Debris Disk of 49 Ceti

Jesse Lieman-Sifry, Wesleyan University

Lunch: 12:15–1:00

Session 3: 1:15–2:30

LSST Site: Sky Brightness Data

Jamison Burke, Swarthmore College

An Exploration of Supernova Light Curve Production Methods: Application to SN 1991M in IC 1151

Joshua Reding, Colgate University

RR Lyrae in Boötes II

Conor Hunt, Wesleyan University

Time Series Photometry of Contact Binaries

Claire Freehafer, Colgate University, Caitlin Rose, Vassar College, and Megan Lewis, Vassar College

Narrowband Color-Magnitude Diagrams for Young Open Clusters

Michael May and Sarah Stevenson, Williams College

Break and poster viewing: 2:30–2:50

Session 4: 2:50–3:30

Morphometry of secondary impact craters from Zunil and Gratteri Craters on Mars

Arden Radford, Wellesley College

Occultations by Pluto and other trans-Neptunian objects

Adam Schiff, Middlebury College

Using Eclipse Images to Monitor Solar Activity

Tina Seeger, Williams College

Posters:

Analyzing Hydrogen Recombination Lines in the Infrared and Optical to Determine Extinction and SFRs of Local LIRGs

Anna Payne, Wellesley College