

**Keck Northeast Astronomy Consortium  
Student Research Symposium, September 26, 2009**

9:00 AM – 10:30 AM: Talk session I

\* Rachel Wagner-Kaiser, Vassar '10 and Sara Dwyer, Williams '11; (advisors Jay Pasachoff and Bryce Babcock, Williams). "High-Resolution Photography of the 2009 Total Solar Eclipse: Tianhuangping, China"

\* Katherine DuPré, Williams '10, and Caroline Tam, Williams '11; (advisors Jay Pasachoff and Bryce Babcock, Williams). "Coronal Heating Observations at Solar Eclipses"

Matthew Hosek, Williams '12; (advisor Steve Slivan, Wellesley). "The Lightcurve and Sidereal Period of Asteroid (761) Brendelia"

Michael Petersen, Colgate '10; (advisor Jeff Bary, Colgate). "Evidence for Non-Periodic Accretion in the Spectroscopic Binary DQ Tau"

Andrew Yau, Vassar '10; (advisor Bill Herbst, Wesleyan). "Two Complete Cycles of HMW15"

Nell Byler, Wellesley '11; (advisor Bill Herbst, Wesleyan). "The Evolving Light Curve of CB 34V"

10:30 AM – 11:00 AM: *Break*

11:00 AM – 12:00 PM: Talk session II

\* Steven Mohammed, Colgate '11 and Ijeoma Ekeh, Wellesley '12; (advisor Kim McLeod, Wellesley). "Searching for Disks and Planets among Brown Dwarfs"

\* Emma Lehman, Williams '10, and Andrew Koontharana, Swarthmore '11; (advisor Karen Kwitter, Williams). "Planetary Nebulae: Understanding the Secrets of Galaxy Formation"

Evan Kaplan, Vassar '11; (advisor George Jacoby, Kitt Peak National Observatory). "The Search for Planetary Nebulae in M31 Globular Clusters"

Marshall Johnson, Wesleyan; (advisor Lynn Matthews, MIT Haystack Observatory). "H I as a Tracer of Circumstellar Envelopes"

12:00 PM – 1:00 PM: *Lunch*

1:00 PM – 2:15 PM: Talk session III

Cailah DeRoo, WPI '11; (advisor Eric Jensen, Swarthmore). “Problems and Calibrations Associated with a New Telescope”

Max Fagin, Vassar '10; (advisor Kristina Lynch, Dartmouth). “CubeSat Payloads: Space for All”

Michael Lam, Colgate '11; (advisor Paul Demorest, National Radio Astronomy Observatory). “Reduction of ISM Scattering Effects in Millisecond Pulsar Timing”

\* Meredith Muller, Bennington '10.5, and Joe Putko, Middlebury '12; (advisor Frank Winkler, Middlebury). “Discovering Young Supernova Remnants in the Galaxy M83”

\* Tim Taber, Vassar '11, Paul Hegel, Wesleyan '10, and Phillip Patrick, Colgate '11; (advisor Thomas Balonek, Colgate). “Analysis of Optical and Radio Outbursts of Blazar PKS 1749+096”

2:15 PM – 2:45 PM: *Break*

2:45 PM – 4:00 PM: Talk session IV

Gail Gutowski, Haverford '10; (advisor Beth Willman, Haverford). “Willman 1: An Extreme Case...of What?”

Dylan Hatt, Haverford '10; (advisor Beth Willman, Haverford). “Using Color and Magnitude to Find the Faintest Milky Way Satellites”

Ben Placek, Alfred University; (advisor Roy Kilgard, Wesleyan). “An Analysis of X-ray Point Sources in IC 10”

Alex Warres, Haverford '10; (advisor Beth Willman, Haverford). “The Observed Kinematics of Ultra-Faint Galaxies: Simple Systems in Equilibrium?”

Shannon Stefl, Kent State '10; (advisor Bruce Partridge, Haverford). “Radio Galaxies with Inverted Spectra”

Oliver Elbert, Haverford '11; (advisor Jorge Moreno, Haverford). “The Formation Epochs of Dark Matter Haloes”