

Fall 2011 Applications Awarded Time

Vladimir Krasnopolsky

Variations of Chemical Composition in the Martian Atmosphere

Mukremin Kilic, Sandy Leggett

The Frequency of Debris Disks Around White Dwarfs

Michael Sitko, Catherine Espaillat, Ray Russell, David Lynch, Laura Ingleby, Nuria Calvet, Carol Grady, Arne Henden

Disk Accretion in Transition Disk Systems: When the Flame Sputters Out

Robert Stencel, Brian Kloppenborg, Michael Sitko

Egress observations of the long eclipse of epsilon Aurigae.

Michael Sitko, Ray Russell, Charles Woodward, Michael Kelley, Carey Lisse, Daryl Kim, Edward Lagg, David Harker, Suellen Brafford, Heidi Hammel

Multi-wavelength Observations of Comets C/2009 P1 Garradd and C/2010 X1 Elenin

Lynne Hillenbrand, John Carpenter

Mysterious Periodic Variability in the Becklin-Neugebauer Object

Henrik Melin, Tom Stallard, Steve Miller, Laurence Trafton, James O'Donoghue

Detecting auroral emissions from Uranus using SpeX

Ian Crossfield, Bradley Hansen, Travis Barman

The Nature of the Atmosphere of Super Earth GJ 1214b

Kevin Luhman

The Initial Mass Function in the Taurus Star-forming Region

Driss Takir, Joshua Emery

Near-infrared Spectroscopy of Outer Main Belt Asteroids.

Leslie Young, William Grundy, Eliot Young

Nitrogen migration on Triton's surface

Sara Beck, John Lacy, Jean Turner

High Resolution Spectra of Composite and Starburst Galaxies with TEXES

Leigh Fletcher, Thomas Greathouse, Glenn Orton, Tobias Owen, Patrick Irwin, Conor Nixon, Nicholas Teanby

TEXES Measurements of $^{15}\text{N}/^{14}\text{N}$ on Saturn and Jupiter to Constrain the Origin of Planetary Nitrogen

Therese Encrenaz, Thomas Greathouse, Matthew Richter, John Lacy, T. Fouchet, B. Bezard, T. Widemann, E. Marcq, Franck Lefevre, F. Forget, S. Atreya

H₂O and SO₂ mapping in the mesosphere of Venus with EXES/TEXES

Francesca DeMeo, Benoit Carry, Richard Binzel

A search for mantle material in the Main Belt

Richard Binzel, Timothy Spahr, Steven Chesley, Schelte Bus, Mirel Birlan

IRTF NEO Rapid Response: Close Encounters of the Asteroid Kind

Tracy Beck, Rita Mann, Jeff Bary

Investigating the Nature and Circumstellar Properties of Orion PROtoPLANetarY DiskS

Glenn Orton, Padma Yanamandra-Fisher, Leigh Fletcher, Kevin Baines, Agustin Sanchez-Lavega, Ricardo Hueso, Santiago Perez-Hoyos

Evolution of Large-Scale Features in Jupiter: the South Equatorial Belt Revival of 2010-2011

Glenn Orton, Padma Yanamandra-Fisher, Leigh Fletcher, Kevin Baines, Agustin Sanchez-Lavega, Ricardo Hueso, Santiago Perez-Hoyos

Tracking Rapid Changes in Jupiter's South Equatorial Belt Revival

Glenn Orton, Padma Yanamandra-Fisher, Leigh Fletcher

Temperature and Compositional Variability in Saturn: Support for the Cassini CIRS Experiment on Orbits 158-161

Vishnu Reddy

Mineralogical Characterization of Baptistina Asteroid Family: Implications for K/T Impactor Source

Vishnu Reddy, Andreas Nathues, Lucille Le Corre

Spectral observations of Ceres to support NASA's Dawn Mission

Andrew Rivkin

How do the processes that create lunar water act on NEOs?

Olivier Groussin, Pierre Vernazza, Audrey Delsanti, Joe Hora, Philippe Lamy, I. Toth, Y. Fernandez, L. Jorda, M. Birlan

Measuring the physical properties of the nucleus of comet C/2010 X1 Elenin

Richard Binzel, Francesca DeMeo, Andy Rivkin, Alan Tokunaga, Mirel Birlan, Schelte J. Bus

Spectral Measurements of Spacecraft Mission Candidates and Potentially Hazardous Asteroids

Pierre Vernazza, Richard Binzel, Alessandro Rossi, Mirel Birlan, Francesca Demeo

Source regions of carbonaceous chondrite meteorites

Alan Tokunaga, Richard Binzel, Francesca DeMeo, Andy Rivkin, Mirel Birlan, Schelte J. Bus

Spectral Measurements of Spacecraft Mission Candidates and Potentially Hazardous Asteroids

Tom Stallard, Henrik Melin, Steve Miller, Alberto Adriani, Angioletta Coradini, Stan Cowley, James O'Donoghue, Makenzie Lystrup

Support observations for the JIRAM-Juno instrument

Kevin Luhman

The Spatial Distribution of Brown Dwarfs in IC 348

Nicholas Moskovitz, Bin Yang, Andy Rivkin, Lucy Lim, Ed Cloutis, Mark Willman

The near-Earth encounter of asteroid 2005 YU55

Makenzie Lystrup, Steve Miller, B. Bonfond, A. Radioti, D. Grodent

Characterizing Jupiter's upper atmosphere in the region of the auroral Io footprint

Johanna Teske, Ming Zhao, Mark Swain, Caitlin Griffith, Pieter Deroo

Spectroscopy of the Most Highly Irradiated Exoplanet: How Close is Too Close?

Henry Roe, Thomas Greathouse, Matt Richter, Alan Tokunaga, Ralf Kaiser

The TEXES Titan Legacy Spectral Survey

Peter Allen, Stephanie Douglas

Spectroscopic Confirmation of Low-Mass Tertiary Companions

Joshua Emery, Cristina Thomas, David Trilling, Amanda Gulbis, Marco Delbo

SpeX Characterization of Warm Spitzer NEOs

Heidi Hammel, Michael Sitko, Ray Russell

Neptune spectra at 3-13 microns: Seeking the signature of discrete features

Amanda Gulbis, Michael Person, Amanda Bosh, Carlos Zuluaga

Stellar occultations by Chiron and Varuna

Ming Zhao, Mark Swain, Pieter Deroo, Johanna Teske, Heather Bloemhard

Dayside spectra of CoRot-1b with SpeX in a new observing mode

Robert West, Glenn Orton

Spectra for Jovian Stratospheric Radiative Heating Rates and Aerosol Retrievals

David Polishook, Richard Binzel, Francesca DeMeo

Rotationally-resolved spectroscopy of asteroid pairs

Constantine Tsang, John Spencer, Emmanuel Lellouch, Matthew Richter, Thomas Greathouse

Io's Atmosphere after Perihelion

Christopher Crockett, Naved Mahmud, Lisa Prato, Christopher Johns-Krull, Dan Jaffe, Pat Hartigan, Chas Beichman

Detecting extrasolar planets in the first 3 Myr

Chad Bender, Gail Schaefer, Michal Simon

Dynamical Observations of Hyades Cluster Spectroscopic Binaries

Bin Yang, David Jewitt

Near Infrared Spectroscopy of Cybele Asteroids

Kelle Cruz, Alejandro Nunez, Jacqueline Faherty, Emily Rice

Characterizing the Spectral Effects of Clouds and Dust Properties in L Dwarfs

Catherine Espaillat, Nuria Calvet, Kevin Luhman, James Muzerolle

Unveiling the Innermost Regions of Protoplanetary Disks with Gaps and Holes

Zach Gazak, Rolf Kudritzki, Ben Davies, Miguel Urbaneja

Red Supergiants as Metallicity Probes: Calibrating the J-Band Technique

Zach Gazak, Rolf Kudritzki, Ben Davies, Miguel Urbaneja

SpeX Observations of an Extragalactic Super Star Cluster

Kevin Covey, Barbara Rojas-Ayala, John J. Bochanski, Sebastien Lepine, Jeff Valenti, James P. Lloyd

Robustly Calibrating the NIR M Dwarf Metallicity Scale

Michael Cushing, J. Davy Kirkpatrick, Amy Mainzer, Christopher Gelino, Michael Skrutskie, Roger Griffith

Searching for the Coolest Brown Dwarfs in the Solar Neighborhood with WISE

Elisabeth Newton, Jonathan Irwin, David Charbonneau, Barbara Rojas-Ayala, Zachory Berta, Kevin Covey, James Lloyd

Abundances of M-dwarfs in the solar neighborhood

Robert Zelle, Caitlin Griffith, Mark Swain, Pieter Deroo

Constraining the Abundances of Exoplanet HD 209458b

Michael DiSanti, Boncho Bonev, Erika Gibb, Michael Mumma, Geronimo Villanueva, Stefanie Milam, Lucas Paganini, Karen Magee-Sauer

Cutting Edge Problems in Cometary Volatile Composition: The Case for C/2010 X1 [Elenin]

Ron Vervack, Neil Dello Russo, Hal Weaver, Hideyo Kawakita, Dominique Bockelee-Morvan, Hitomi Kobayashi, Nicolas Biver, Jacques Crovisier

Investigating the Volatile Composition of Comets C/2010 X1 [Elenin] and P/2006 T1 [Levy] Using SpeX

Peter Plavchan, Guillem Anglada, Cassy Davison, Peter Gao, Russel White, Lisa Prato, Chas Beichman, John Johnson, David Ciardi, Stephen Kane

A High-Precision Radial Velocity Survey for Young Planets [III]

Adam McKay, Michael Disanti, Neil Dello Russo, Ron Vervack, Nancy Chanover, Michael Kelley, William Reach

Constraining the Parent-Daughter Relationship in Comet C/2009 P1 Garradd

Kyoung Hee Kim, Dan Watson, Manoj Puravankara, William Forrest, Joan Najita, Nuria Calvet, Tom Megeath, James Muzerolle, Will Fischer

Evol. of disk-young star accr.: SpeX obs of homogeneous large sample of Class II YSOs in the Orion A sf region

Ellen Howell, Ronald Vervack, Yan Fernandez, Michael Mueller

Combining thermal observations and radar-derived shapes of near-Earth asteroids

Laurence Trafton, Steve Miller, Thomas Greathouse, John Lacy

Search for Mid-IR H3+ Emission in Jupiter's Northern Aurora

Heather Bloemhard, Michelle Creech-Eakman, Mark Swain, Ming Zhao, Pieter Deroo

Ground-based Spectroscopy of a Very-Hot Jupiter WASP-1b

Andrew Mann, Eric Gaidos, Sebastien Lepine

Improving our Understanding of Planets through their M dwarf Hosts

Andrew Mann, Eric Gaidos, Sebastien Lepine

Calibrating Near-Infrared Spectra of M Dwarf Stars with Co-moving Hipparcos Companions

Emily Schaller, Henry Roe, Michael Brown

Titan's Methane Meteorology: Context for Cassini Flybys T79-T81

Takeru Uno, Takeshi Sakanoi, Yasumasa Kasaba, Chihiro Tao, Hajime Kita, Yoshizumi Miyoshi, Masato Kagitani

The observation of Jovian wind field in the ionosphere: auroral region and low latitude

Ryan Terrien, Suvrath Mahadevan, Chad Bender, Rohit Deshpande, John Bochanski, Larry Ramsey

Populating a Metal Rich M-dwarf Target List for Precision Radial Velocity Exoplanet Surveys

Myungshin Im, Dohyeong Kim

Black Hole Mass of Red, Dusty Quasars

Eric Volquardsen, Andy Rivkin

Hydrated Minerals in Young Asteroid Families

Michael Gregg, Robert Becker, Richard White

Infrared Bright, Optically Hidden Quasars

Michael Koss, Ezequiel Triester, Dave Sanders, Richard Mushotzky, Margaret Trippe, Sylvain Veilleux

NIR Spectroscopy of Merging AGN Systems

Alain Khayat, Alan Tokunaga, Michael Mumma, Geronimo Villanueva

Deep Search for OCS on Mars

Stanimir Metchev, Kerstin Geissler, J. Davy Kirkpatrick, John Good, G. Bruce Berriman, Stony Brook University graduate student TBD.

New L/T Transition and Peculiar Brown Dwarfs from a SDSS+2MASS Cross-Match

Schelte Bus, Amanda Gulbis

Exploration of the Koronis Asteroid Family using SpeX and MORIS

Drake Deming, Heather Knutson, Nikku Madhusudhan, Brian Jackson, Pedro Sada

The Day-side Temperature of the Hottest Known Exoplanet, WASP-33b

Michael Liu, Eugene Magnier, Niall Deacon, Bertrand Goldman

Rare Brown Dwarfs in the Solar Neighborhood from Pan-STARRS-1
