

2005 Fall Semester Applications Awarded Time

Kevin Luhman

Testing the Ejection Hypothesis: Searching for an Extended Population of Brown Dwarfs in Taurus

Claud H. Sandberg Lacy, Derek Sears, Albert D. Grauer

Mineralogy of Hera Spacecraft Targets

Margaret Hanson, Joachim Puls, Francisco Najarro

NIR Diagnostics of Massive Star Winds

Glenn Orton, Kevin H. Baines, Padma Yanamandra-Fisher, Paul Parrish

Support for Cassini Saturn Atmospheric Science on Orbits 17-25

Glenn Orton, Kevin H. Baines, Padma Yanamandra-Fisher, Paul Parrish

Variability of Large-Scale and Anticyclonic Features in Jupiter's Atmosphere

Martin Elvis, Hermine Landt, Martin Ward, Bradley Peterson, Margarita Karovska, Kirk Korista, Massimo Marengo, Norman Murray

Near-IR Spectra of Type 1 AGN: Paschen Line Diagnostics

Paul S. Hardersen, Michael J. Gaffey, Paul A. Abell, Vishnu Reddy

The M-Asteroid Spectral Survey: Using NIR Reflectance Spectroscopy to Identify Weak Spectral Absorption Features

Graham Harper, Alex Brown, Nils Ryde, Matthew Richter

The Dynamics and Thermodynamics of Late-K and Early-M Supergiant Winds

Ryan Campbell, Thomas Harrison, Steve Howell, Douglas Hoffman

Phase-Resolved Spectroscopy of the Cyclotron Features in Magnetic Cataclysmic Variables

Edward F. Tedesco, Schelte J. Bus, Eric Volquardsen, William Bottke, Don Davis, Alberto Cellino, Marco Delbo, Alessandro Morbidelli, Joseph L. Hora, Marc Kassis, Joseph Adams, Eric Tollestrup

11.7 μm Radiometry of Near-Earth Asteroids and their Progenitors

Zhaohui Shang, Michael Brotherton

True Quasar SEDs and Improved Bolometric Corrections

Leslie A. Young, William M. Grundy, Eliot F. Young

Infrared Spectral Evidence for Global Change on Triton

Chad Bender, Michal J. Simon

Mass Ratio Distribution in Hyades Cluster Spectroscopic Binaries

Richard Binzel, Andrew S. Rivkin, Alan Tokunaga, Schelte J. Bus

The MIT-Hawaii-IRTF Joint Campaign for NEO Spectral Reconnaissance

Alan Tokunaga, Richard Binzel, Andrew S. Rivkin, Schelte J. Bus
The MIT-Hawaii-IRTF Joint Campaign for NEO Spectral Reconnaissance

Jeremy Bailey, David Crisp, Andrew Simpson, Sarah Chamberlain
Mapping of Martian CO₂ Band Structures using CSHELL

Adam J. Burgasser, Sebastián Lépine, Michael Shara, J. Davy Kirkpatrick
A Search for Ultracool Late-M and L Subdwarfs in the LSPM-North Catalog

Adam J. Burgasser, J. Davy Kirkpatrick, Michael W. McElwain, Chris Tinney
SpeX Spectroscopy of a Complete Sample of T Dwarfs

Mirel Birlan, Pierre Vernazza, Antonella Barucci, Marcello Fulchignoni, Richard Binzel, Pascal Descamps
High Spatial Resolution Spectra of 21 Lutetia, Target of Rosetta Mission

Beth Ellen Clark, Michael K. Shepard, Schelte J. Bus, Andrew S. Rivkin
Near-Simultaneous Rotational Spectroscopy and Radar of X-Complex Asteroids

Paul A. Abell, Paul S. Hardersen, Michael J. Gaffey, Vishnu Reddy
Continued Mineralogical Characterization and Albedo Determination of Near-Earth Objects

Mukremin Kilic, Ted von Hippel, Sandy K. Leggett, Hugh Harris, Jim Liebert, Jeff Munn, Kurtis Williams, Donald E. Winget
New Old White Dwarfs and the Age of the Galaxy

J. Davy Kirkpatrick, Dagny Looper, Roc Cutri, Adam J. Burgasser
Classifying Discoveries from a Large-area Near-infrared Proper Motion Survey

Sandy K. Leggett, David Golimowski, Wei Zheng, Kuenley Chiu, Xiaohui Fan, Tom Geballe
Completion of the SDSS Very Late-L and T Dwarf Classification Program

Tohru Nagao, Masatoshi Imanishi, Takashi Murayama, Yoshiaki Taniguchi
Nuclear Star-Forming Activities in Narrow-Line Seyfert 1 Galaxies

Dawn E. Peterson, Judith L. Pipher, S. Thomas Megeath, Kevin Luhman, Lori Allen, Michael Cushing, John Rayner
Near-Infrared Selected Brown Dwarf Candidates in the Orion Molecular Cloud 2 and 3

Andrew S. Rivkin, Eric Volquardsen, Schelte J. Bus
Mapping the Hydrated Mineral Distribution of the Asteroid Belt

Yvonne Pendleton, Jacqueline Keane, Kimberly Ennico, Thomas P. Greene, Alan Tokunaga, Jean Chiar, Rachel Mason
Probing the Earliest Stages of Ice Chemistry along Quiescent Sightlines in IC 5146

Karen S. Bjorkman, John P. Wisniewski, Jon E. Bjorkman, Erica Hesselbach
Probing the Density Structure of Circumstellar Disks

Karen S. Bjorkman, John P. Wisniewski, Jon E. Bjorkman
Searching for Circumstellar Disks Around Be Stars in Clusters

Harriet L. Dinerstein, Nicholas Sterling, John H. Lacy, Matthew Richter, Kristen Sellgren
Mid-Infrared Emission Lines from Molecules and Ions in Planetary Nebulae

Karl Gordon, Geoffrey Clayton, Yvonne Pendleton, Douglas C.B. Whittet, T. P. Snow, Karl A. Misselt, JD Smith

Structure in Interstellar Extinction Curves: 0.8-5.5 microns

Thomas Greathouse, Shadrian Holmes, Julianne Moses, Matthew Richter

Saturn's Stratosphere: Latitudinal and Seasonal Variations of Temperature and Hydrocarbon Abundances

Thomas Greathouse, Shadrian Holmes, Julianne Moses, John H. Lacy

Latitudinal Variations in Uranus's Stratosphere: Temperature and Abundances of C₂H₂ and C₂H₆

Henry Roe, Matthew Richter, Thomas Greathouse, Yuk Yung

The Missing Link in Venusian Atmospheric Chemistry

Robert Jedicke, Tommy Grav, Eric Gaidos, Ronald Fevig

NIR Spectroscopy of (3283) Skorina and Other Extremely Red Main-belt Asteroids

Emmanuel Marcq, Therese A. Encrenaz, Mirel Birlan

Venus: A Study of the Lower Atmosphere through IR Spectroscopic Monitoring

M. Mueller, Alan W. Harris, Schelte J. Bus, Marco Delbó, James Jackson, Joseph Adams, Marc Kassis, Joseph L. Hora

Thermal Properties of the Potentially Hazardous Asteroid (1862) Apollo

Shoko Ohtsuki, Munetaka Ueno, Takeshi Imamura, Hideo Sagawa, Naomoto Iwagami

Imaging Spectroscopy of the Venus 1.27 μm O₂ Airglow on the Nightside

Bo Reipurth, Colin Aspin

The Source of McNeil's Nebula and High-accreting Young Stars

Cristina A. Thomas, Richard Binzel, Andrew S. Rivkin, Jessica Sunshine

Asteroid Space Weathering in the 0.1 to 5 km Size Range

Frederick M. Walter, Angeliki Field-Pollatou, Gosta Gahm, Eric Stempels

A Multiwavelength Investigation of Accreting T Tauri Stars

Frederick M. Walter, Tracy Beck

The Orbit and Masses of HD 28867E. III.

Theodore Simon, William D. Vacca, Michael Cushing
Infrared Spectroscopy of Two Eruptive YSOs in Orion

Michael J. Mumma, Robert Novak, Boncho Bonev, Geronimo Villanueva, Michael DiSanti, Tilak Hewagama, Neil Dello Russo
Search for Local Sources of Methane and Water on Mars

Nancy Chanover, Gordon Bjoraker, Tilak Hewagama
Simultaneous Cassini and IRTF Spectroscopy of Saturn

Beth Ellen Clark, Sanya Levi, Schelte J. Bus, M. Mueller, Alan W. Harris, James Jackson
Albedo Measurements of X-Class Asteroids

Christopher Gerardy, Peter Hoflich, G. Howie Marion, Robert Quimby, J. Craig Wheeler, Robert A. Fesen, Kenichi Nomoto
Near-Infrared Spectroscopic Evolution of Type Ia Supernovae

Robert Novak, Michael J. Mumma, Boncho Bonev, Geronimo Villanueva, Michael DiSanti, Constantine Makrides, Cara Rahon
Mapping of Ozone and D/H Ratio near Mars' Vernal Equinox

Jenny Patience, Lisa Prato
Investigating the Stellar and Disk Properties in Class I Binaries

Padma Yanamandra-Fisher, Terry J. Jones, Glenn Orton, Brendan Fisher
Spectrophotopolarimetry of Saturn's Rings: Probing Particle Properties

John E. Allen, Jr., Michael DiSanti, Tilak Hewagama
Remote Sensing of Martian Localized Magnetic Fields

Diana L. Blaney, David Glenar, David Klassen
Observations of Mars from 4.5-5.0 Using SpeX for Sulfates

Jean Chiar, Douglas C.B. Whittet, Sachindev Shenoy, Edwin Bergin, Perry A. Gerakines, Andy Adamson
Near-infrared Ice Absorption Features in Spitzer CO₂ targets: Taurus Dark Cloud

Michael Connelley, Alan Tokunaga, Bo Reipurth
A Search for [FeII] and H₂ Shocked Emission Near Class I YSOs

Eric Gaidos, Nick Moskovitz, Evgenya Shkolnik
H₃⁺ Emission from Hot Jupiters

Therese A. Encrenaz, Matthew Richter, Thomas Greathouse, Bruno Bezard
Imaging-spectroscopy of Mars with TEXES: H₂O, H₂O₂ and search for CH₄

William M. Grundy

Confirmation of Tentative Discovery of CO₂ Ice on Umbriel

Christopher M. Johns-Krull, Hao Yang, Lisa Prato

Stars, Disks, and Envelopes in the Young Embedded Cluster NGC 2024

Yuko Kakazu, Esther Hu, Michael C. Liu

A Wide Field Survey for High-Redshift Quasars and T Dwarfs

John H. Lacy, Claudia Knez, Neal J. Evans, Matthew Richter

Mid-Infrared Spectroscopy of H₂ Toward the Orion Hot Core

Chris Magri, Ellen S. Howell, Andrew S. Rivkin

3-micron Observation of Main-Belt Asteroid Radar Targets

William Merline, Peter Tamblyn, Laird Close, Christophe Dumas, Clark R. Chapman

Evaluation of IRTF Adaptive Optics for the Study of Asteroids

James Muzerolle

Early Disk Evolution in the Young Cluster NGC 2068

Paul A. Price, Daniel E. Reichart, Melissa Nysewander, Jane Moran, Arne A. Henden, G. Grant Williams

Probing Star Formation at High-Redshift Using GRBs

Kurt D. Retherford, G. Randy Gladstone, Eliot F. Young

Search for Cyclopropenyl Ion Emissions in the Jovian Aurorae

Tom Stallard, Steve Miller, Michele Dougherty, Nick Achilleos, Abigail Rymer

Solar-wind/magnetosphere/atmosphere coupling at Saturn: IRTF-Cassini Ground Truth Campaign

Eric Tollestrup, James Jackson, Ronak Y. Shah

Mid-IR Spectroscopic Templates of GLIMPSE Sources

Gerard van Belle, David R. Ciardi, Lee Rottler

Direct Distance Determination for Mira Variables

Eric Volquardsen, Andrew S. Rivkin

Search for 3 micron Absorption in Near Earth Asteroid Spectra

Padma Yanamandra-Fisher, Patrick Irwin, Leigh Fletcher

Seasonal Distribution of Trace Disequilibrium Species in Saturn's Atmosphere

Eliot F. Young, William Merline, Clark R. Chapman, David Nesvorny, Peter Tamblyn

Spectroscopy of Very Young Dynamical Families of Asteroids

Hideo Sagawa, Munetaka Ueno, Takeshi Imamura, Jun Nishikawa, Shoko Ohtsuki

Speckle Observations to Detect the Microstructure in the Venusian Clouds