

Fall 2017 Applications Awarded Time

Paul Hardersen, Russ Genet

Basaltic Asteroids: Hunting for the remnants of differentiated asteroid parent bodies throughout the asteroid belt

Michael Sitko, Zachary Long, Carol Grady, Carey Lisse, Massimo Marengo, Monika Pikhartova

Near-IR Spectroscopy of 'Dippers'

Michael Sitko, Zachary Long, Ray Russell, Carol Grady, Mihoko Konishi

Exodisks and Exoplanets in Transitional Disks Systems

Bryan Holler, Leslie Young, Bobby Bus, Silvia Protopapa

Spectra of the Small Haumea Family Members 1995 SM55 and 2005 RR43

Leslie Young, William Grundy, Bryan Holler, Eliot Young

Occasional Triton spectra 2013-2017 for rotational and seasonal variability

Vishnu Reddy, Juan Sanchez

Physical Characterization of Small NEOs

Taran Esplin, Kevin Luhman

Measuring the Substellar IMF in Taurus

Tom Stallard, Rosie Johnson, Henrik Melin, James O'Donoghue, Luke Moore

Observations of Saturn's H3+ aurora in support of the Cassini Grand Finale orbits

Amanda Sickafoose, Carlos Zuluaga, Amanda Bosh, Michael Person, Stephen Levine

Stellar Occultations by Pluto, Chariklo, Chiron, and Varda

Rosie Johnson, Tom Stallard, Henrik Melin, Glenn Orton, Alberto Adriani, Stan Cowley, Emma Bunce, Luke Moore, James O'Donoghue

Juno support observations: Measuring ionospheric flows and temperatures of the Jovian southern aurora

Sherry Fieber-Beyer, Michael Gaffey

Hebe Family Spectroscopic Search

Charles Schambeau, Yanga Fernandez, Michael Kelley, Silvia Protopapa

Investigating Water Ice Grains in the Outburst Coma of Comet 29P/Schwassmann-Wachmann 1

Francesca DeMeo, Schelte J. Bus, Richard P. Binzel, David Polishook, Cristina Thomas, Brian Burt, Nicholas Moskovitz, Andrew Rivkin

Spectral Measurements of Spacecraft Mission Candidates and Potentially Hazardous Asteroids

Nicholas Moskovitz, Richard Binzel, Bobby Bus, Gareth Williams, Steve Chesley, David Polishook, Francesca DeMeo, Brian Burt

IRTF NEO Rapid Response: Close Encounters of the Asteroid Kind

Andrew Rivkin

Asteroid 704 Interamnia at 3 microns: A Rotational Study

Andrew Rivkin, Ellen Howell, Cristina Thomas, Josh Emery

Outer Belt Asteroids with Cometary Spectra: Confirmation and Exploration

Savan Becker, Paul Hardersen

Characterizing the Chondrites: Testing Photometric Classification of Cp-Type Asteroids using Near-Infrared Spectroscopy

Kevin Wagner, Michael Sitko, Daniel Apai

From Pre-Transition to Transition Disk -- The Disappearing Inner Disk in HD 169142

Kevin Hardegree-Ullman, Michael Cushing, Philip Muirhead

Planet Occurrence Around Mid-Type M Dwarfs in the Kepler Field

Matthew Nowinski, Tyler Linder

Investigating K-type asteroids as a potential source of taxonomic variations among multiply-observed asteroids from the Sloan Digital Sky Survey

Gordon Gartelle, Paul Hardersen

Surface Mineral Composition of D-Type Asteroids

Vishnu Reddy, Juan Sanchez, Driss Takir, Tomoko Arai, Julie Castillo-Rogez, Carol Raymond, Jianyang Li, Bin Yang

Physical Characterization of Spacecraft Mission Targets

Josh Emery, Keith Noll, Rick Binzel

Near-infrared spectroscopy of the four L4 Trojan targets of NASA's Lucy mission

Eric Hsiao, David Sand, Andy Howell, Howie Marion, Dipankar Banerjee, Peter Hoeflich, Melissa Shahbandeh, Scott Davis

Constraining Supernova Physics with Near-Infrared Spectroscopy

Michael Gordon, Terry Jones, Roberta Humphreys

NIR Spectroscopy of Obscured Red Supergiants in M33 [II]

Tien-Hao Hsieh, Michihiro Takami, Sheng-Yuan Liu, Yu-Nung Su, Naomi Hirano, Takashi Hosokawa, Motohide Tamura, Jennifer Karr, Hideko Nomura, Michael Connelley, Jun Hashimoto, Tracy Beck, Paul Ho

Revealing Disk Accretion of High-mass Protostars

Carey Lisse, Mike Sitko, Massimo Marengo

IRTF/SpeX Monitoring of Tabby's Star, the KIC 8462852 Extreme Lightcurve System

Miwa Goto, Seyit Hocuk, Paola Caselli, Stephanie Cazaux

The First Frost in the Pipe Nebula

Alexa Villaume, Charlie Conroy

A Hot Star Library for Young Stellar Population Models

Henrik Melin, Tom Stallard, Leigh Fletcher, Rosie Johnson, Pdraig Donnelly

Characterising the infrared aurora of Uranus using NASA IRTF iSHELL

Myriam Pajuelo, Mirel Birlan, Benoit Carry, Francesca DeMeo, Marcel Popescu, Jerome Berthier, Frederic Vachier

Spectral characterization of small binary asteroids.

Mark Veyette, Philip Muirhead, Andrew Mann

An empirical calibration of C and O abundances in M dwarfs

Chrysa Avdellidou, Marco Delbo, Kevin Walsh, Francesca DeMeo

Characterising a new asteroid family: Is this the source of the enstatite chondrite meteorites?

Kenneth Hinkle, Richard Joyce, Edward Montiel, Matthew Richter

Revisiting the FG Sge Rosetta Stone

Driss Takir, Joshua Emery

Near-infrared Spectroscopy of Outer Main Belt Asteroids

Heather Kaluna, Paul Lucey, Driss Takir, Casey Honniball, Shuai Li

A ground-based search for hydration features on the Moon and Mercury

Melissa McClure, Stefan Kraus, Leonardo Testi, Nuria Calvet, Ruud Visser

Spectrally resolving neutral carbon and oxygen emission from the inner regions of protoplanetary disks.

Javier Licandro, Mario De Pra, David Morate, Jorge Carvano, Noemi Pinilla-Alonso, Humberto Campins

Probing hydration in the Inner Main Belt II

Michael Mumma, Sara Faggi, Lucas Paganini, Geronimo Villanueva, Robert Novak

iSHELL observations of a bright Target-of-Opportunity Comet.

Eunhyu Han, Philip Muirhead

Fundamental properties of low-mass stars: determination of a uniform mass-radius-luminosity relationship

Lauren McGraw, Josh Emery, Cristina Thomas, Andy Rivkin

Search for 3-um features on near-Earth Asteroids

Patrick Fry, Lawrence Stromovsky

Investigating Uranus' Continuing Polar Brightening

Paul Corlies, Alexander Hayes, Patricio Rojo, Mate Adamkovics, Elizabeth Turtle, Sebastien Rodriguez, Jonathan Mitchell, Jonathan Lunine, Juan Lora

Continued investigation of seasonal changes in Titan's meteorology through cloud monitoring with IRTF SpeX

Humberto Campins, Noemi Pinilla-Alonso, Anicia Arredondo

Spectroscopy of Inner Belt Primitive Asteroid Families

Evan Rich, John Wisniewski, Michael Sitko, Carol Grady, Misato Fukagawa, Jamie Lomax

Constraining the Duty Cycle of the Inner Disk of HD 163296

Samuel Grunblatt, Daniel Huber, Eric Gaidos

Characterizing the Planet Population of Giant Stars

Schelte J. Bus, Francesca DeMeo, Richard P. Binzel, David Polishook, Brian Burt, Cristina Thomas, Nicholas Moskovitz, Andrew Rivkin

Spectral Measurements of Spacecraft Mission Candidates and Potentially Hazardous Asteroids

Benoit Carry, Max Mahlke, Myriam Pajuelo, Mirel Birlan, Francesca DeMeo

Origin of the spectral diversity among primitive D-type asteroids

Richard Cartwright, Joshua Emery, Noemi Pinilla-Alonso

Searching for seasonally-mobile CO₂ ice and NH₃-hydrates on the large moons of Uranus

Mirel Birlan, Pierre Vernazza, Myriam Pajuello, Benoit Carry, Michael Marsset, Francesca DeMeo, Richard Binzel, Alin Nedelcu, Franck Marchis

Spectral characterization of asteroids larger than 100km.

Courtney Dressing, Joshua Schlieder, Andrew Vanderburg, Elisabeth Newton, Heather Knutson

Characterizing Low-mass Stars Hosting Small Planets

Sean Brittain, Joan Najita

The Search for Forming Planets in Transition Disks

Glenn Orton, Thomas Momary, Kevin Baines, James Sinclair, Leigh Fletcher, Rohini Giles, Patrick Irwin, Padma Yanamandra-Fisher, Scott Bolton, Jack Connerney, Candice Hansen, Michael Janssen, Alberto Adriani, Takehiko Satoh, Davide Grassi, Giuseppe Sindoni, G. Randy Gladstone, Thomas Greathouse, Yasumasa Kasaba, Hajime Kita, Takao Sato, Thomas Stallard, Rosie Johnson, Heidi Malt, Thomas Cravens

Characterizing Jupiter's Atmosphere and Aurora to Support Juno Science Orbit Perijoves 8 and 10.

Glenn Orton, Thomas Momary, Kevin Baines, James Sinclair, Leigh Fletcher, Rohini Giles, Scott Bolton, Jack Connerney, Candice Hansen, Michael Janssen, Alberto Adriani, Patrick Irwin, Padma Yanamandra-Fisher, Takehiko Satoh, Davide Grassi, Giuseppe Sindoni, G. Randy Gladstone, Thomas Greathouse, Yasumasa Kasaba, Hajime Kita, Takao Sato, Thomas Stallard, Rosie Johnson, Heidi Malt, Thomas Cravens

Characterizing Short- and Intermediate-Term Variability in Jupiter Between Juno Perijoves 7 and 12

Beth Biller, Michael Liu, Katelyn Allers, Loic Albert, Etienne Artigau, Po-Shih Chiang, Wen-Ping Chen, Mickael Bonnefoy, Philippe Delorme, Jessy Jose, Bhavana Lalchand, Greg Herczeg

Discovering the youngest free-floating planets: spectroscopic confirmation of candidate young brown dwarfs and planetary mass objects from a transformative survey of Taurus and Serpens with the novel W-band filter

Megan Tannock, Stanimir Metchev, Paulo Miles Paez

Brown Dwarfs Viewed Equator-on: Seeking the Best Hosts for Biosignature Detection in Transiting Exoplanets

Michael Gully-Santiago, Greg Herczeg, Garrett Somers, Ian Czekala, Kevin Covey

Measuring accurate fundamental properties of young stars

Ralph Shuping, William Vacca

Near-IR Observations of the Dense Sub-cluster at the Core of the W40 Star Forming Region: Studying the Effects of High-Mass Stars on Low-Mass Star Formation

Glenn Orton, Thomas Momary, Kevin Baines, James Sinclair, Leigh Fletcher, Patrick Irwin, Rohini Giles, Padma Yanamandra-Fisher

Near-Infrared Support for Cassini in its Final Proximal Orbits

Bruce McCollum, Frederick Bruhweiler, Lee Rottler, Seppo Laine

Spectroscopy of YSOs With Unique Transits

Henrik Melin, Leigh Fletcher, Tom Stallard, Rosie Johnson, Padraig Donnelly, James O'Donoghue, Luke Moore

Detecting H3+ from Neptune using NASA IRTF iSHELL

Heather Kaluna, Joseph Masiero, James Bauer, Vishnu Reddy, Driss Takir

Spectral characterization of asteroids linked to the Euphrosyne asteroid family

Cristina Thomas, Joshua Emery, Lauren McGraw, Andrew Rivkin

A Search for 3-um Features on Nominally Anhydrous Main Belt Asteroids

John Spencer, Julie Rathbun, Constantine Tsang

High Time Resolution Imaging of Io's Volcanos to Understand their Influence of the Jovian Magnetosphere during the Juno Mission

Ellen Howell, Ron Vervack, Yan Fernandez, Jenna Crowell, Sean Marshall, Mary Hinkle

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

Zhoujian Zhang, Michael Liu, William Best, Eugene Magnier

A Pan-STARRS1 Proper-Motion Survey for Young Brown Dwarfs In the Taurus Star-Forming Region

Umut Yildiz, Lars Kristensen, Greg Herczeg

The chemistry of protostellar winds

Ryan Norris, Fabien Baron

Spectroscopy of Red Supergiants to accompany an Interferometric Imaging Survey

Robert Novak, Michael Mumma, Geronimo Villanueva, Sara Faggi

Two-Dimensional Maps of O2 [singlet Delta] Emission, and [HDO]/[H2O] during Mars' Early Northern Summer

Michael Liu, Michael Lines, William Best, Mark Marley

Retrieving Physical Parameters for a Volume-Limited Sample of Brown Dwarfs

Evgenya Shkolnik, Joe Llama

Auroral H3+ Emission from Exoplanets with iSHELL

Andrea Banzatti, Sean Brittain, John Rayner, Klaus Pontoppidan, Mihkel Kama, Antonio Garufi

Is the planet-forming region of Herbig disks always dry?

Eric Gaidos, Andrew Mann

Infrared Spectroscopy for Combined Radial Velocity-Astrometric Measurements of M Dwarf Mass

Adam Burgasser, Everett Schlawin, Johanna Teske, John Gizis, Theodora Karalidi

High-precision Spectral Variability of Brown Dwarfs Using Simultaneous Spectral Calibrators

Eric Gaidos, Peter Plavchan, Jonathan Gagne

Magnitude and Origin of Radial Velocity Jitter in Active M Dwarfs

Nicole Karnath, S.T. Megeath, Rohan Rahatgaonkar, William Fischer, John Tobin, Manoj Puravankara

Determining Birth Environment Conditions on Young Stars

Aurora Kesseli, Phil Muirhead, Eunkyun Han

Do Enhanced Magnetic Fields From Rapid Rotation Inflate the Radii of Low-Mass Stars?

Adam Burgasser, Chris Theissen, Daniella Bardalez Gagliuffi, Guy Shippee

LaTE-MoVeRS: New Nearby Very Low-Mass Stars and Brown Dwarfs Verified by Proper Motion from SDSS+2MASS+WISE

Benjamin Sargent, Sundar Srinivasan

The Metallicities of OH/IR Star Candidates in the Inner Galactic Bulge from iSHELL

Sharon Wang, Peter Plavchan, Peter Gao, Jonathan Gagne, Angelle Tanner, Jennifer Burt, Elisabeth Newton

Simultaneous IRTF/iSHELL Observations with Kepler and Keck: Investigating Stellar Jitter and Searching for Planets around M dwarfs

Ian Crossfield, Jayne Birkby, Jonathan Fortney

H₂O, CO, Methane, and C/O in a Giant Neptune-Mass Planet

Jesica Trucks, Michael Cushing

A Search for Brown Dwarfs in the Hyades: A Pilot Study

Verne Smith, Katia Cunha, Henrik Jonsson, Rafael Guerco

Probing Fluorine Nucleosynthesis at Low Metallicity: Whither Neutrino Nucleosynthesis?

Ron Vervack, Rosemary Killen

An exploratory search for molecules in the exosphere of Mercury

Gabriela Canalizo, Laura Sales, Thomas Bohn

Black Holes in Bulgeless Galaxies: Using Coronal Lines to Place Constraints on BH Mass

Michael Connelley, Bo Reipurth, Christian Flores

High resolution spectroscopic survey of selected embedded protostars

Christian Flores, Michael Connelley, Bo Reipurth

Large scale instabilities in the magnetosphere of classical T Tauri stars

Michael Mumma, Robert Novak, Geronimo Villanueva, Sara Faggi

Sensitive Hemispheric Maps of Methane and Related Gases on Mars: Synergies with Observations from ExoMars Trace Gas Orbiter
