

Spring 2018 Applications Awarded Time

Michael Sitko, Zachary Long, Ray Russell, Carol Grady, Carey Lisse, Massimo Marengo

Near-IR Spectroscopy of 'Dippers'

Vishnu Reddy, Juan Sanchez

Physical Characterization of Small Near-Earth Objects

Thomas R. Geballe, Takeshi Oka, Miwa Goto, Nick Indriolo

Probing the Galactic Center's Central Molecular Zone with H3+

Adam Burgasser, Chris Theissen, Daniella Bardalez Gagliuffi, Christian Aganze

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

Therese Encrenaz, Thomas Greathouse, Shohei Aoki, Ann-Carine Vandaele, Thierry Fouchet, Bruno Bezard, Sushil Atreya, Hideo Sagawa

H₂O₂ and HDO Mapping and Retrieval of D/H on Mars: Joint Observations with ExoMars Trace Gas Orbiter

Therese Encrenaz, Thomas Greathouse, Thomas Widemann, Bruno Bezard, Thierry Fouchet, Sushil Atreya, Hideo Sagawa

HDO and SO₂ Thermal Mapping of the Atmosphere of Venus

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

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

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

Kevin Wagner, Michael Sitko, Daniel Apai, Ammar Bayyari

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

Nathan Roth, Erika Gibb, Neil Dello Russo, Michael DiSanti, Boncho Bonev, Ron Vervack, Mohi Saki, Adam McKay

Probing the Evolutionary History of Comets: A Search for the Hypervolatile CO and Parent Volatile Abundances in the Jupiter-family Comet 21P/Giacobini-Zinner

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

IRTF NEO Rapid Response: Close Encounters of the Asteroid Kind

Gordon Bjoraker, Michael Wong, Tilak Hewagama, Glenn Orton, Csaba Palotai

Water Clouds and Volatiles on Jupiter Concurrent with Juno

Benjamin Sharkey, Vishnu Reddy

Tracing Origins of Jovian Irregular Satellites to Trojan Asteroids

Driss Takir, Joshua Emery

Near-infrared Spectroscopy of Outer Main Belt Asteroids

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, Hendrik Melis, Thomas Cravens
Characterizing Jupiter's Atmosphere and Aurora to Support Juno Science Orbit Perijoves 11-14

Eilat Glikman, Mark Lacy, Stephanie LaMassa, S. G. Djorgovski, Meg Urry

Dust-reddened Quasars as Probes of Feedback and Galaxy Evolution: the Bright End

Savan Becker, Paul Hardersen

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

Constantine Tsang, John Spencer, Tommy Greathouse, Emmanuel Lellouch

The State of Io's Seasonal Atmosphere in 2018

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 Farnham
Characterizing Short- and Intermediate-Term Variability in Jupiter Between Juno Perijoves 11 and 15.

Alexa Villaume, Charlie Conroy

A Hot Star Library for Young Stellar Population Models

Rolf Peter Kudritzki, Miguel A. Urbaneja

IR spectroscopy of Galactic Cepheids: paving the way to extragalactic Cepheids

Chip Kobulnicky, Larry Molnar, Riley Jordan

SpeX Monitoring of a Luminous Red Nova Progenitor

David Polishook, Nicholas Moskovitz

Did the Martian Trojans originate from impact ejecta from Mars itself?

Goran Sandell, William Vacca, John Lacy, Thomas Greathouse

An unbiased spectral survey of the dark cloud in front of LkHa101

Leigh Fletcher, Thomas Greathouse, Glenn Orton, Henrik Melin, Pdraig Donnelly, James Sinclair, Rohini Giles

Cyclic Activity in Jupiter's Belts and Zones: Assessing Coupling to the Deep Atmosphere Revealed by Juno

Adam Burgasser, Jessica Birky, Christian Aganze, Chris Theissen, Sarah Schmidt, Cullen Blake, David Hogg, Chih-Chun Hsu

Training the Cannon: Calibrating APOGEE Observations of Ultracool Dwarfs

Henrik Melin, Rosie Johnson, Thomas Stallard, Leigh Fletcher, Glenn Orton, Nahid Chowdhury, James O'Donoghue, Luke Moore

Measuring ionospheric flows of the Jovian aurora in the Juno era

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

Anicia Arredondo, Humberto Campins, Noemi Pinilla-Alonso

Spectroscopy of Inner Belt Primitive Asteroid Families: Second Semester

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

Constraining Type Ia Supernova Physics with Near-Infrared Spectroscopy

Bruno Bezard, Sandrine Vinatier, Emmanuel Lellouch, Antoine Jolly, Tommy Greathouse

Search for minor hydrocarbons in Titan's atmosphere

Andrew Rivkin

SpeX LXD observations of Low-albedo Outer-belt Asteroids

Amanda Sickafoose, Carlos Zuluaga, Amanda Bosh, Stephen Levine

Stellar occultations by Ixion and 2002MS4

Sara Faggi, Michael J. Mumma, Geronimo L. Villanueva, Lucas Paganini

The Volatile Composition of 21P/Giacobini-Zinner

Ka Tat Wong, Karl Menten, Tomasz Kaminski, Thomas Greathouse, John Lacy

Probing Warm Ammonia in Circumstellar Envelopes of Evolved Stars

Aurora Kesseli, Philip Muirhead

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

Thomas Greathouse, Glenn Orton, Leigh Fletcher, Therese Encrenaz, Richard Cosentino, Thierry Fouchet, Rohini Giles, Raul Morales-Juberias

Characterizing Wave Phenomena in Jupiter's Upper Atmosphere in the Thermal-IR

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

Forging the path to Jovian magnetograms with a map of Jupiter's ionosphere and Juno support

Samuel Grunblatt, Daniel Huber, Eric Gaidos

Characterizing the Planet Population of Giant Stars

Eric Gaidos, Andrew Mann

An Improved Mass-Luminosity Relation for M Dwarfs

Bryan Holler, Cathy Olkin, Leslie Young, Will Grundy

Investigating Temporal Changes on Pluto's Northern Hemisphere

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

Johanna Vos, Katelyn Allers, Beth Biller

The Rotational Properties of Free-Floating Planetary-Mass Objects

Michael J. Mumma, Sara Faggi, Robert E. Novak, Lucas Paganini, Geronimo L. Villanueva

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

Thierry Fouchet, Emmanuel Lellouch, Bruno Bezard, Thibault Cavalie

Constraining the internal and external sources of CO in Saturn's atmosphere

Adwin Boogert, Ryan Dungee, Jacqueline Keane

High Resolution IRTF/iSHELL and SOFIA/EXES Spectroscopy to Unravel the Sulfur Chemistry in Inner Protostellar Regions

Adwin Boogert, Andrew Barr, Xander Tielens, Matt Richter, Curtis DeWitt, Ed Montiel, David Neufeld, Nick Indriolo, Jean Chiar, Yvonne Pendleton

Organic Inventory of the Hot Molecular Core AFGL 2591

Richard Smart, Adam Burgasser, Federico Marocco, Davy Kirkpatrick, Kelle Cruz, Jackie Faherty, Michael Cushing, Hugh Jones, Juan Beamin, Luis Sarro, Jose Caballero

Understanding the stellar-substellar transition with Gaia L dwarfs.

Naseem Rangwala, Sean Colgan, Timothy Lee, Matt Richter, Eric Herbst, John Lacy, Xinchuan Huang, Kinsuk Acharyya, Romane LeGal, Adwin Boogert

A TEXES High-Resolution Molecular Line Survey of the Orion Hot Core

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

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

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, Yumiko Oasa

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

Silvia Protopapa, Michael Kelley, Dennis Bodewits, Emmanuel Jehin, Bin Yang, Quan-Zhi Ye

Water-ice properties of a cometary outburst

Courtney Dressing, Joshua Schlieder, Kevin Hardegree-Ullman, Andrew Vanderburg, Elisabeth Newton

Characterizing Low-mass Stars Hosting Small Planets

Joshua Emery, Keith Noll, Rick Binzel

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

Jacqueline Faherty, Marc Kuchner, Adam Schneider, Jonathan Gagne, Aaron Meisner

Extreme Brown Dwarfs Discovered Through an All Sky Proper Motion Survey

John Lacy, Kevin Luhman, Chris Sneden, Hwihyun Kim, Dan Jaffe

Absorption by H₂, CO, and Dust Through Cold Molecular Clouds

B-G Andersson, John Lacy, Geoff Clayton

A Search for Crystalline Graphite

Jesica Trucks, Michael Cushing

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

Paulo Miles Paez, Stan Metchev, Megan Tannock, Maria Rosa Zapatero Osorio, Enric Pallé, Radostin Kurtev, Greg Mace

Identifying the ultra-cool dwarfs with the most favorable geometry to search for Earth-sized planets.

Evgenya Shkolnik, Joe Llama

Auroral H3+ Emission from Exoplanets with iSHELL

Carey Lisse, Mike Sitko, Massimo Marengo, Steven Kane, Steve Desch

IRTF SpeX Characterization of Kepler THZ Planetary Systems

Tim Livengood, Ted Kostiuk, John Kolasinski, Tilak Hewagama

Weather Within Giant Craters on Mars

Steven Silverberg, John Wisniewski, Marc Kuchner

Determining Intrinsic Characteristics of Potential Disk-hosting dM Stars from Disk Detective with SpeX

Carey Lisse, Mike Sitko, Massimo Marengo

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

Michael Connelley, Christian Flores, Bo Reipurth

Deriving Accurate Stellar Ages for Young Stellar Objects: Extinction and Accretion Rates from SpeX

Mark Willman, Bin Yang

Spectroscopic Survey of the Peculiar Euphrosyne Family

John Spencer, Julie Rathbun

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

Samantha Trumbo, Michael Brown, Katherine de Kleer

Post-Eclipse Observations of Europa's H₂O₂

James Sinclair, Glenn Orton, Thomas Greathouse, Leigh Fletcher, Chihiro Tao, Rohini Giles, Patrick Irwin

TEXES spectral mapping of Jupiter's auroral regions at a high temporal cadence.

Michael Lucas, Joshua Emery

Building Blocks of the Terrestrial Planets: Spectral Homogeneity Among Hungaria Family Asteroids

Miwa Goto, Seyit Hocuk, Stephanie Cazaux, Paola Caselli

Ice absorption in the Pipe Nebula

Lauren McGraw, Josh Emery, Cristina Thomas, Andy Rivkin

Search for 3-um features on near-Earth Asteroids

Miwa Goto, Tomo Usuda, Tom Geballe

H2 spin temperature in a starless core : follow up observation

Heather Kaluna, Joseph Masiero, Driss Takir, Vishnu Reddy

Spectral characterization of asteroids linked to the Euphrosyne asteroid family

Benjamin Sargent, Sundar Srinivasan

Confirming Inner Galactic Bulge OH/IR Star Candidates' Identities with SpeX, Part II

Paul Lucey, Casey Honniball, Heather Kaluna

Observations of anomalous hydration features on the Moon at 3 microns

Christian Flores, Michael Connelley, Bo Reipurth

Deriving accurate stellar ages of Young Stellar Objects

Eunhyu Han, Philip Muirhead

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

Neda Hejazi, Sebastien Lepine

High-Resolution Spectroscopy of M dwarfs and M subdwarfs

Cristina Thomas, Joshua Emery, Lauren McGraw, Andrew Rivkin

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