

Spring 2019 Applications Awarded Time

Mitsuhiko Honda, Tomohiro Mori, Douglas Johnstone, Gregory Herczeg, Takashi Shimonishi, Jeong-Eun Lee, Giseon Baek, Yuri Aikawa, Takashi Miyata, Takashi Onaka

Tracing Time-Dependent Disk Chemistry of Periodic Outbursting Protostar EC53

Sherry Fieber-Beyer, Michael Gaffey, Fieber-Beyer Sherry, Gaffey, Mike

Compositional & Dynamical Studies of Asteroids Located In/Near the 3/1 Resonance

Hermine Landt, Martin Ward, Jake Mitchell, Chris Packham, Keith Horne, Brad Peterson, Joerg-Uwe Pott, Andy Lawrence, Gary Ferland, Thaisa Storchi-Bergmann

The first simultaneous monitoring of the Paschen broad emission line region and dusty torus in an AGN: case study Mrk 509

Edo Berger, Sebastian Gomez, Matt Nicholl, Griffin Hosseinzadeh, Peter Blanchard, Locke Patton, Ryan Chornock, Philip Cowperthwaite, Kate Alexander, Tarraneh Eftekhari, Wen-fai Fong, Raffaella Margutti, Brian Metzger, Ashley Villar, Peter Williams

SpeX Near-Infrared Spectroscopy of Neutron Star Binary Mergers

Arrate Antunano, Leigh Fletcher, Thomas Greathouse, Glenn Orton, Henrik Melin, James Sinclair, Pdraig Donnelly, Rohini Giles, James Blake, Michael Roman and Naomi Rowe-Gurney

Characterising Jupiter's Equatorial Zone Disturbance and Deep Belt/Zone Structure via Juno-TEXES Comparisons

Rohini Giles, Thomas Greathouse, Therese Encrenaz, Glenn Orton, James Sinclair

The thermal structure of Venus' mesosphere from high resolution observations of CO₂ lines

Vishnu Reddy, Juan Sanchez, Allison McGraw

Physical Characterization of Small NEOs

Gordon Bjoraker, Michael H. Wong, Charles Goullaud, Glenn Orton, Csaba Palotai, Imke de Pater, Tilak Hewagama

Water Clouds and Volatiles on Jupiter Concurrent with Juno

Gordon Bjoraker, Tilak Hewagama, Glenn Orton

Evolution of Deep Clouds on Saturn

Kevin Wagner, Michael Sitko, Daniel Apai, Ammar Bayyari

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

David Trilling, Michael Mommert, Joseph Hora, Howard Smith, Nicholas Moskovitz

Observations of Near Earth Objects with the newly refurbished MIRS I

Therese Encrenaz, Thomas Greathouse, Emmanuel Marcq, Hideo Sagawa, Thomas Widemann, Bruno Bezar, Thierry Fouchet, Sushil Atreya, Yeon Joo Lee, Rohini Giles, Shigeto Watanabe

HDO AND SO₂ THERMAL MAPPING OF THE ATMOSPHERE OF VENUS

Anicia Arredondo, Humberto Campins, Noemi Pinilla-Alonso

Spectroscopy of Inner Belt Primitive Asteroid Families: Final Semester

Ian Crossfield, Joshua Lothringer, Richard Freedman, Elisabeth Mills

Isotopic abundances of dwarf stars

Paul Hardersen, Russell Genet

Searching for basaltic asteroids in the outer main asteroid belt

Leslie Young, Will Grundy, Bryan Holler, Eliot Young

Occasional Triton spectra 2015-2019 for rotational and seasonal variability

Shohei Aoki, Ann Carine Vandaele, Severine Robert, Arianna Piccialli, Arnaud Mahieux, Hideo Sagawa

Mapping of D/H ratio in the deep atmosphere of Venus: key diagnostic to its water history

Bryan Holler, Leslie Young, Cathy Olkin, Will Grundy, Silvia Protopapa, Maya Yanez

Investigating Temporal Changes in Pluto's Northern Hemisphere

Savan Becker, Paul Hardersen

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

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

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

Ground-based measurements of Jupiter's ionospheric currents, in support of Juno

James Blake, Leigh Fletcher, Thomas Greathouse, Glenn Orton, Henrik Melin

Saturn beyond Cassini: Seasonal Change and Interannual Variability after Summer Solstice

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

Spectral Measurements of Spacecraft Mission Candidates and Potentially Hazardous Asteroids

Lauren McGraw, Josh Emery, Cristina Thomas, Andy Rivkin

Search for 3-micron features on near-Earth Asteroids

Harriet Dinerstein, Nicholas Sterling, William Vacca

Assessing Planetary Nebulae as Sources of Neutron-Capture Element Enrichment

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

Julie Rathbun, Christian Tate, Paul Corlies, Alexander Hayes, John Spencer

High Time Resolution Imaging of Io's Volcanos to Understand their Influence of the Jovian Magnetosphere during the Juno Mission and Improve our Understanding of their time variability

Joe Llana, Jayne Birkby, Melissa McClure

Studying the atmosphere of one of the youngest exoplanets

Emma Longstaff, David Pinfield, Matthew Rickard, Federico Marocco, Elena Gonzalez Egea

Calibrating young ultra-cool spectra using Gaia benchmark systems

Marcel Popescu, Julia de Leon, Javier Licandro, Ioana Lucia Boaca

Olivine asteroids

Sean Brittain, Joan Najita, John Carr

Taking the Molecular Inventory and Probing Surface Accretion in a Protoplanetary Disk

Casey Honniball, Paul Lucey, Heather Kaluna, Driss Takir, Abigail Flom, Chiara Ferrari-Wong

Chemistry and transport of water on the Moon

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

Spectral Measurements of Spacecraft Mission Candidates and Potentially Hazardous Asteroids

Maria Messineo, Donald F. Figer, Valentin D. Ivanov, Rosie C.-H Chen, Rolf-Peter Kudritzski, Karl M. Menten, Zhu Quingfeng, Messineo Maria

Red supergiant stars [RSGs] in the disk of the Milky Way.

Driss Takir, Joshua Emery

Near-infrared Spectroscopy of Outer Main Belt Asteroids

Zachary Maas, Catherine Pilachowski

Fluorine Abundances in Potassium Enriched Disk Stars

Andrew Rivkin, Ellen Howell, Josh Emery

Rotational Studies of Large Asteroids with SpeX/LXD

Bo Reipurth, Michael S. Connelley

A ToO study of young stars with major eruptions

Eunhyu Han, Philip Muirhead

Fundamental properties of low-mass stars: determination of a pristine mass-radius-luminosity relationship using Kepler eclipsing binaries

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

Stellar occultations by Ixion, Huya, 307261, and Pluto

Michael Sitko, Ray Russell, Carol Grady, William Danchi, Jon Mauerhan

Combined IRTF/SpeX/BASS and VLT/MATISSE Observations of Herbig AeBe Stars

Melissa Shahbandeh, Eric Hsiao, David Sand, Howie Marion, Mark Phillips, Andy Howell, Peter Hoeflich, Max Stritzinger, Chris Ashall

Constraining Type Ia Supernova Physics with Near-Infrared Spectroscopy

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

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

Ellen Howell, Ronald Vervack, Yan Fernandez, Mary Hinkle

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

Carey Lisse, Mike Sitko, Massimo Marengo, Miles Lucas

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

Christian Flores Gonzalez, Michael Connelley, Bo Reipurth

Towards achieving precise stellar parameter measurements in the K-band: Line-transition parameters

Michael Connelley, Christian Flores, Bo Reipurth

How Universal is Episodic Accretion? Taking a Look Over a Decade Later

Sahar Allam, Marcelle Soares-Santos, Douglas Tucker, J. Allyn Smith, Martin Makler, James Annis, Iair Arcavi, Paulo Barchi, Keith Bechtol, Federico Berfein, Antonio Bernardo, Dillon Brout, Francisco Foerster Buron, Robert Butler, Melissa Butner, Hsin-Yu Chen, Chris Conselice, Chris D'Andrea, Tamara Davis, Reinaldo de Carvalho, H. Thomas Diehl, Zoheyr Doctor, Alex Drlica-Wagner, Maria Drout, Maya Fishbach, Christopher Fronzoni, Álvaro García, Maddan Gill, Robert Gruendl, William Hartley, Kenneth Heger
IRTF SpeX Spectroscopy of LIGO/Virgo O3 Transients

Angela Cotera, Janet Simpson

Characterizing the Ionizing Stars in Sgr B1 with SpeX

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

Continuing the Study of 46P/Wirtanen During Its Historic Apparition: Volatile Composition and Testing for Variability

Johanna Teske, Peter Plavchan, Bryson Cale, Angelle Tanner, Eric Gaidos, Peter Gao, Jackie Faherty, Brett Addison, Alycia Weinberger, Alan Boss, Adam Burgasser

What Lies Beyond the TRAPPIST-1 Snow Line? Constraining Long Period Neptunes with iSHELL Radial Velocity Observations

Constantine Tsang, John Spencer, Thomas Greathouse, Emmanuel Lellouch

The State of Io's Seasonal Atmosphere in 2019

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

IRTF SpeX Characterization of Kepler/K2 THZ Planetary Systems

Adwin Boogert, Andrew Barr, Xander Tielens, Ryan Dungee, John Lacy, Matt Richter, Curtis DeWitt, Ed Montiel, Jacqueline Keane

The Organic Inventory of Hot Molecular Cores

Courtney Dressing, Ellianna Schwab Abrahams, Kevin Hardegree-Ullman, Joshua Schlieder, Steven Giacalone, Jordan Fleming, Andrew Mayo, Jessie Christiansen

Characterizing Planetary Systems Orbiting the Coolest TESS Target Stars

James Sinclair, Thomas Greathouse, Rohini Giles, Glenn Orton, Leigh Fletcher, Fachreddin Tabataba-Vakili

Long-term evolution of stratospheric temperature and hydrocarbon abundances in Jupiter's auroral regions

Kevin Luhman, Taran Esplin

Toward a Complete Census of Stars and Brown Dwarfs in Upper Scorpius

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

Physical properties of water-ice grains

Bryson Cale, Peter Plavchan, Eric Gaidos, Andrew Mann

Zodiacal Exoplanets In Time: Measuring the Masses of Young Exoplanets

Carey Lisse, Mike Sitko, Hans Moritz Gunther, Scott Wolk

IRTF Time Domain Observations of the RW Aurigae A T Tauri 'Planet Eating' System

Michael McCarthy, Brett McGuire, Kelvin Lee, Matthew Richter

Probing the Origin of the Interstellar Aromatic Carbon Reservoir: A Search for 1,3-butadiene

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

Luke Moore, Carl Schmidt, James O'Donoghue, Henrik Melin, Tom Stallard

Saturn's equatorial ionosphere: ring influxes and the mass 28 mystery

Phillip Stancil, Ziwei Zhang, John Lacy, Matt Richter

Shock-induced variation of SiO rovibrational features in AGB outflows

Timothy A. Livengood, John Kolasinski, Theodor Kostiuk, Tilak Hewagama, Gordon Bjoraker

Stratospheric Variability in Jupiter's Auroral Regions During Juno

Adam Burgasser, Christian Aganze, Chih-chun 'Dino' Hsu, Jessica Birky, Chris Theissen, David Hogg, Andrew Mann, Kevin Covey, Cullen Blake

Training the Cannon: Calibrating APOGEE Observations of Ultracool Dwarfs

Adam McKay, Michael DiSanti, Boncho Bonev, Neil Dello Russo, Ronald Vervack, Erika Gibb, Nathan Roth, Michael Kelley, Lori Feaga

Probing the Compositional Heterogeneity of C/2016 R2 [PanSTARRS] using iSHELL and Spitzer

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

Characterizing the volatile composition of a target-of-opportunity comet

Eric Gaidos, Jennifer van Saders, Peter Plavchan, Bryson Cale

Hidden Binaries in the Beta Pictoris Moving Group

Miwa Goto, Jorma Hajyu, Olli Sipilä, Paola Caselli

Experiment: H₂D⁺ over H₃⁺ on IRAS 16293-2424

Christine Chen, Sean Brittain, Brandon Johnson, Casey Lisse

Tracing Giant Collisions in the Extreme Debris Disks HD 23514 and HD 145263

Miwa Goto, Tom Geballe, Tomonori Usuda

Measuring H₂ against unremarkable stars

Tracy Beck, Matt Richter, Gail Schaefer

Is Binary Orbital Motion Triggering Outflow Ejections? A TEXES View of T Tauri Prior to Sa+Sb Periastron Passage

William Fischer, Agata Karska, Marta Sewilo, Lars Kristensen, Beata Deka-Szymankiewicz

SpeX Spectroscopy of Young Stellar Objects in the Outer Galaxy

Adwin Boogert

iSHELL Spectroscopy of Organics in Protoplanetary Disks: CH₄

Samaporn Tinyanont, Ryan Lau, Mansi Kasliwal

First silicate dust observation around an interacting supernova 2014C with IRTF/MIRSI

Zhoujian Zhang, Michael Liu, Eugene Magnier, William Best

A Complete Brown Dwarf Census of Upper Scorpius Down to the Planetary-Mass Regime

Zhoujian Zhang, Michael Liu, Eugene Magnier, William Best

Formation of Giant Planets and Brown Dwarfs on Wide Orbits

Cristina Thomas, Joshua Emery, Lauren McGraw, Andrew Rivkin

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

Jackie Faherty, Marc Kuchner, Jonathan Gagne, Aaron Meisner, Adam Schneider, Daniella Bardalez-Gagliuffi, Sarah Logsdon

Citizen Science Meets Gaia to find new Brown Dwarfs

Eric Gaidos, Megan Ansdell

Infrared Emission Lines as Diagnostics of Accretion in 'Dipper' Stars
