

EPRV5 Posters

● indicates poster competition entry

#	First Name	Last Name	Affiliation	Title
Other Topics				
1	Rachel	Bowens-Rubin	UC Santa Cruz	Better together: using radial velocity data to guide direct imaging observations to characterize exoplanets and brown dwarfs
2	Catherine	Clark	Jet Propulsion Laboratory	The Forgotten Planets in Multi-Star Systems
3	Robert	Frazier	● Penn State	NEID Reveals that The Young Warm Neptune TOI-2076 b Has a Low Obliquity
4	Mark	Giovinazzi	● University of Pennsylvania	Stellar Mass Measurements in the Era of Precise Astrometry and Radial Velocities
5	Katelyn	Horstman	● Caltech	Exomoon Sensitivity of the Keck Planet Imager and Characterizer (KPIC)
6	Katie	Lester	NASA Ames	Visual Orbits & Inclinations of Exoplanet Host Binaries
7	Sarah	Logsdon	NSF's NOIRLab	NEID: Prepping for and Recovering from the 2022 Contreras Fire
8	Sarah	Logsdon	NSF's NOIRLab	NEID Queue Operations: Design, Implementation, and Current Performance
Data Analysis / Statistical Methods				
9	Christopher	Lam	● University of Florida	An Information Theoretic Approach to Scheduling Radial Velocity Follow-Up Observations for TESS Systems
10	Yan	Liang	● Princeton	Data-driven radial velocity measurements by auto-encoding stellar activities
11	Jack	Lubin	● UC Irvine	Exploring New Dimensions in Stellar Activity Analysis of Radial Velocities
12	Pablo	Peña	● Universidad Diego Portales	Conquering Exoplanet Signals
13	Victor	Ramirez Delgado	● University of Delaware	Rayleigh Criterion Applied to Astronomical Time Series
14	Gene	Serabyn	JPL	The signal-to-noise ratio of the spectral cross-correlation function peak
15	Alexander	Wise	Penn State University	Improving EPRVs via Custom Spectral Line Lists
RV Surveys				
16	Cayla	Dedrick	● Penn State	Operational and Science Updates from MINERVA
17	Megan	Delamer	● The Pennsylvania State University	What does the HPF spy? Probing detection limits of the ongoing GTO survey and planet occurrence rates of very low mass stars
18	James	Jenkins	Universidad Diego Portales	Bayesian Models Applied to Giant Star Radial-velocity Data
19	Belinda	Nicholson	● University of Oxford	The use of spectropolarimetry for terra-hunting
20	Masashi	Omiya	Astrobiology Center/NAOJ	Infrared Doppler survey for Earth-like planets around late-M dwarfs with IRD/Subaru
21	Leonardo	Paredes	● The University of Arizona	The RKSTAR Concert's Opening Act: The Radial Velocity Survey of K Stars within 33 Parsecs
22	Alex	Polanski	● University of Kansas	The TESS-Keck Survey: Uniform Mass Determinations for 86 TOIs
23	Henrik	Ruh	● IAG	Radial velocity precision in ten ultra-cool M-dwarfs
24	Rob	Wittenmyer	University of Southern Queensland	The value of RV in an EPRV world
Instrumentation				
25	Ashley	Baker	Caltech	An RV Error Budget & Performance Simulations for the HISPEC Spectrograph

Calibrations

26	Genevieve	Markees	● University of Central Florida	Improved EPRV Calibration via Multi-Telescope Arrays
27	Sebastian	Schäfer	● Göttingen University - Institut für Astrophysik und Geophysik	Empirical frequency calibration at cm/s accuracy
28	Zitian	Yue	● Carleton College	Long-term monitoring of the HPF and NEID Fabry-Perot Etalon Calibrators

Tellurics

29	Yui	Kasagi	● The Graduate University for Advanced Studies (SOKENDAI)	Assessing the impact of telluric contamination on near-infrared RV measurements with IRD
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Exoplanet Detections

30	Charles	Cadieux	● University of Montreal	The LHS 1140 system revisited with the line-by-line framework
31	Victoria	DiTomasso	● Harvard	Mass Measurement of a Terrestrial Planet with Approved JWST Observations
32	Ginger	Frame	● University of Warwick	TOI-2498: A hot, bloated Super-Neptune in the Neptune desert
33	Claire	Geneser	● Mississippi State University	Navigating stellar activity of Young stars to validate TESS planets around K dwarfs
34	Emily	Gilbert	● NASA JPL	Measuring the Masses of the TOI-700 Planets with ESPRESSO
35	Yasunori	Hori	● Astrobiology Center/National Astronomical Observatory of Japan	Are Eccentric, Close-in Sub-Neptunes not Rocky?
36	Xinyan	Hua	● Tsinghua University	A transiting super-Earth in the radius valley and an outer planet candidate around HD 307842
37	Jonathan	Jackson	● Wesleyan University	Observable Predictions from High-eccentricity Migration of Warm Jupiters
38	Masayuki	Kuzuhara	● Astrobiology Center of NINS	Combination of precision RV measurements with direct imaging and astrometry for detection and characterization of substellar companions
39	Manuel	Mallorquín	● Instituto de Astrofísica de Canarias	Dynamical masses of two transiting Neptune-size planets in the young active HD63433 star
40	Louise	Nielsen	● ESO-Garching	Transition between Ice and Gas giants explored with TESS and RV follow-up
41	Gudmundur	Stefansson	● Princeton University	Precise NIR RVs with HPF reveal a close-in Neptune orbiting an ultracool star
42	Judah	Van Zandt	● UCLA	Early Results from the Distant Giants Survey
43	Thomas	Wilson	● University of St Andrews	Probing the compositional link between terrestrial planets and their stars with EPRV observations
44	Jingwen	Zhang	● Univ. of Hawaii	Survey of companions to transiting planet hosts : target selection using Hipparcos and Gaia astrometric acceleration

Instrumentation

45	Ashley	Baker	Caltech	The Keck Planet Finder's Ca II H&K Monitoring Spectrometer
46	Cullen	Blake	University of Pennsylvania	Coupling Starlight into Single-Mode Fiber on Small Telescopes
47	David	Erskine	Lawrence Livermore National Laboratory	Stability boosting and characterization of high resolution spectrographs using an externally dispersed interferometer
48	Casper	Farret Jentink	● Observatory of Geneva	The scrambling performance of the ABORAS 1cm integrating spheres
49	Casper	Farret Jentink	● Observatory of Geneva	The RV stability and precision budget for NIGHT: a compact, near-infrared, hi-res spectrograph to survey helium in exoplanet upper atmospheres
50	Yolanda	Frensch	● ESO / Université de Genève	NIRPS modal noise mitigation and reduction techniques
51	Supriyo	Ghosh	University of Hertfordshire	EXOHSPEC: a small and inexpensive actively controlled high-resolution optical spectrograph
52	Steve	Gibson	Caltech	System Design of the Keck Planet Finder
53	Phil	Hinz	UCSC	Adaptive Optics with the APF and KPF: What can we gain?
54	Shubham	Kanodia	● Carnegie Institution for Science, EPL	A harsh test of fiber scrambling using the Habitable-zone Planet Finder
55	Hanna	Kellermann	Ludwig-Maximilians-University Munich	The Manfred Hirt Planet Spectrograph (MaHPS)
56	Takayuki	Kotani	Astrobiology center	Development of very high efficiency, diffraction-limited echelle grating for the HISPEC spectrograph
57	Rafael	Luque	● University of Chicago	MARCOT: A new concept of a large aperture telescope to feed CARMENES
58	Dimitri	Mawet	Caltech	Fiber-fed high-resolution infrared spectroscopy at the diffraction limit with Keck-HISPEC and TMT-MODHIS
59	Teo	Mocnik	Gemini Observatory	A User's Guide to MAROON-X EPRVs
60	Jake	Pember	KU Leuven	MARVEL: spectrograph optical design and facility status update
61	Christian	Schwab	Macquarie University	Mechanical and thermal design of the MARVEL and DOT HRS spectrometers
62	Colby	Jurgenson	Smithsonian Astrophysical Observatory	G@M: Design of the Giant Magellan Telescope Consortium Large Earth Finder (G-CLEF) for operations at the Magellan telescopes.
63	Aoi	Takahashi	Astrobiology center	Development of a fiber mechanical switcher for Keck/HISPEC and TMT/MODHIS
64	James	Thorne	W.M. Keck Observatory	Lessons learned - commissioning a FIU for KPFF
65	Gautam	Vasisht	Jet Propulsion Laboratory, California Institute of Technology	Update on the Palomar Radial Velocity Instrument
66	Josh	Walawender	W. M. Keck Observatory	Operating KPF: Using a Queue-like System at a Classically Scheduled Observatory
67	Liang	Wang	Nanjing Institute of Astronomical Optics and Technology, Chinese Academy of Sciences	A high-resolution ultra-stable spectrograph for GTC

68	Fei	Zhao	National Astronomical Observatories, Chinese Academy of Sciences	Characterising the wavelength calibration precision and its limitation via an astro-comb for observing low-mass exoplanets
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Stellar Variability

69	Patrick	Dorval	Uppsala University	Mitigating the impact of starspots in RV through GUSTS
70	Kingsley	Ehrich	● University of California, Berkeley	Identifying Magnetically Sensitive and Insensitive Spectral Lines to Improve Radial Velocity Detections of Exoplanets
71	Rae	Holcomb	● UC Irvine	The TESS Rotation Collaboration: Measuring Stellar Rotation in the TESS Era
72	Howard	Isaacson	UC Berkeley	A CKS Survey of the Shromospheric Activity of Planet Hosting Stars
73	Erik	Johnson	● Institute for Astrophysics and Geophysics Gottingen	Characterizing the activity duality in CARMENES M dwarfs: implications for RV jitter mitigation
74	Daniel	Krolikowski	University of Arizona	The complex temporal and chromatic jitter signal of the M-dwarf EV Lac with multi-wavelength precision RVs
75	Marina	Lafarga Magro	● University of Warwick	Sensitivity to activity of M dwarf spectral lines
76	Jacob	Luhn	● UC Irvine	Stellar Variability in Isolation: Two Case Studies of Time-Resolved Stellar Signals with EPRV Instruments
77	Jacob	Luhn	● UC Irvine	Pushing the (Convective) Envelope: Leveraging Stellar P-mode Oscillations in Subgiants to Improve Radial Velocity Precision
78	David	Montes	UCM, Universidad Complutense de Madrid	Identifying activity- and magnetically-sensitive spectral lines in M dwarfs using CARMENES visible and near infrared spectra
79	Louise	Nielsen	● ESO	Combining visible and near-infrared high resolution spectroscopy to mitigate stellar activity
80	Kanishk	Pandey	● Carleton College	Simulating the Magnetic Sensitivity of Spectral Lines
81	Winter	Parts	Pennsylvania State University	Paving the Way to 10cm/s with Laser Heterodyne Radiometry on the Sun
82	Lalitha	Sairam	● University of Birmingham	STellar ACTivity foreCAst for opTimal Observations of exoplanets (STACCATO)
83	Sharon Xuesong	Wang	Tsinghua University	RVxTESS I: Modeling Asteroseismic Signals with Simultaneous Photometry and RVs
84	Haochuan	Yu	● University of Oxford	Multi-dimensional GP models for stellar activity: lessons from HARPS-South
85	Jinglin	Zhao	● Penn State	Parametrizing and modeling stellar variability in the study of the "Sun-as-a-star"

Software Pipelines

86	Komal	Bali	● Indian Institute of Science Education and Research (IISER)-Mohali	Use of sky fiber to correct for solar light contamination in EPRV
87	Bryson	Cale	IPAC/JPL	Commissioning Observations with PARVI
88	Neil James	Cook	University of Montreal	The inner workings of the line-by-line code for outlier-resistant velocity measurements.
89	David	Kasper	● University of Chicago	The MAROON-X Data Reduction Pipeline
90	Zitao	Lin	● Tsinghua University	Extracting Radial Velocities using WOBBLE from SPIRou Data
91	Andrew	Ridden-Harper	Las Cumbres Observatory	Las Cumbres Observatory's Network of Robotic Echelle Spectrographs (NRES)
92	Selma	Vangstein	● Carleton	Precise continuum normalization of NEID spectra

Stellar Variability

93 Ian Colwell JPL An Automated Approach for Characterizing Stellar Activity Using Machine

Other Topics

94 Alejandro Suárez Mascareño Instituto de Astrofísica de Canarias IACSAT-1: a new space observatory designed by IACTEC

Solar Studies

- 95 Ben Lakeland ● University of Exeter Applying structure functions to EPRV data to reveal quiet-Sun variability
- 96 Michael Palumbo Penn State Physical Insights into Solar Center-to-limb RV Variability with SDO
- 97 Paul Rajaguru Indian Institute of Astrophysics, Bangalore/Solar Observatories Group, W.W. Hansen Experimental Physics Lab, Stanford University, Stanford CA, USA Photospheric magnetic flux distribution and the variations in Sun-as-a-star RVs: a closer look using HARPS-N Solar and SDO Observations.
- 98 Ansgar Reiners Institut für Astrophysik und Geophysik The IAG spectral atlas of the spatially resolved Sun
- 99 Ryan Rubenzahl ● Caltech A Solar Calibrator for the Keck Planet Finder
- 100 Steven Saar Center for Astrophysics | Harvard & Smithsonian A Preliminary Look at the Radial Velocity Effects of Two Magnetic-Related Flows: Penumbrae and Active Region Infows
- 101 Jinglin Zhao ● Penn State A novel perspective of deciphering p-mode oscillation – the auto-covariance domain

Instrumentation

102 Kai Zhang NIAOT CHORUS: An High-Resolution Ultra-Stable Spectrograph for GTC

RV Surveys

103 Zitao Lin Tsinghua University Extracting Radial Velocities using wobble from CFHT-SPIRou Data

Category	Poster #	First Name	Last Name	Title	Coffee Break to Staff Poster
Other Topics	3	Robert	Frazier	NEID Reveals that The Young Warm Neptune TOI-2076 b Has a Low Obliquity	Mon-Morning
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Solar Studies	95	Ben	Lakeland	Applying structure functions to EPRV data to reveal quiet-Sun variability	Tues-Morning
Solar Studies	99	Ryan	Rubenzahl	A Solar Calibrator for the Keck Planet Finder	Tues-Afternoon
Solar Studies	101	Jinglin	Zhao	A novel perspective of deciphering p-mode oscillation – the auto-covariance domain	Mon-Morning