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1 Editorial

Welcome to Edition 208 of ExoPlanet News!

As usual, we bring you abstracts of scientific papers, job ads, conference announcements, and an overview of exoplanet-related articles on astro-ph. Thanks a lot to all of you who contributed to this issue of the newsletter!

For next month, we continue looking forward to your paper abstracts, job ads or meeting announcements. Also, special announcements are welcome. As always, we would also be happy to receive feedback concerning the newsletter. The L^AT_EX template (v2.0) for submitting contributions, as well as all previous editions of ExoPlanet News, can be found on the ExoPlanet News webpage (<https://nccr-planets.ch/exoplanetnews/>).

The next issue will appear on Tuesday, November 13th (with a submission deadline ending on Sunday, November 11th, 2026 CEST).

Leander Schlarman
Jeanne Davoult
Haiyang Wang
Timm-Emanuel Riesen

2 Abstracts of refereed papers

Hydrogen Line Emission in Accreting Low-Mass Objects I: Spectral Analysis of Shock-Origin Narrow Component

Yuhiko Aoyama^{1,2}, Jun Hashimoto^{3,4}, Gabriel-Dominique Marleau^{5,6,7}, Carlo F. Manara⁸, Juan Manuel Alcalá⁹, Gregory Herczeg¹⁰, Camille Bergez-Casalou¹¹, and Masahiro Ikoma^{2,4,12}

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The Astronomical Journal, in press (arXiv:2609.23778)

Hydrogen lines are widely used as tracers of stellar and planetary accretion. In classical T Tauri stars, hydrogen lines are usually interpreted as arising from magnetospheric accretion columns, whereas in lower-mass counterparts (subsolar-mass objects including brown dwarfs and gas giant planets), the post-accretion-shock region can directly emit a substantial fraction of the hydrogen-line luminosity. However, the boundary between non-shock-dominated and shock-dominated cases has remained unclear. In this study, we compare hydrogen-line profiles predicted by the shock emission model with 254 observations of 164 low-mass accreting objects ($< 0.5 M_{\odot}$) in the VLT/X-Shooter archive. We simultaneously fit seven hydrogen lines ($H\beta$, $H\gamma$, $H6$, $H8$, $H9$, $Pa\beta$, and $Br\gamma$), testing both line profiles and flux ratios within a single framework, and introduce a phenomenological broad-component-subtracted fit for cases with mixed non-shock and shock contributions. We find that shock emission dominates the hydrogen-line emission at object masses $M < 0.05 M_{\odot}$ or free-fall velocities $v_{ff} < 175 \text{ km s}^{-1}$, but becomes minor at $M > 0.2 M_{\odot}$. Therefore, hydrogen-line emission from accreting planets is expected to be dominated by shock-heated gas. The inferred flow velocities at the shock front are often significantly smaller than the free-fall velocity from infinity, implying smaller truncation radii and surface dipole magnetic field strengths of sub-kG. The accretion luminosities inferred from the shock-emission fitting are systematically larger than literature values, often by orders of magnitude, likely because conventional estimates neglect line emission that is non-negligible in low-mass objects. We also confirm that $H\alpha$ is more susceptible than the other hydrogen lines to additional non-shock components.

Download/Website: <https://arxiv.org/abs/2609.23778>

Contact: aoyama@sysu.edu.cn

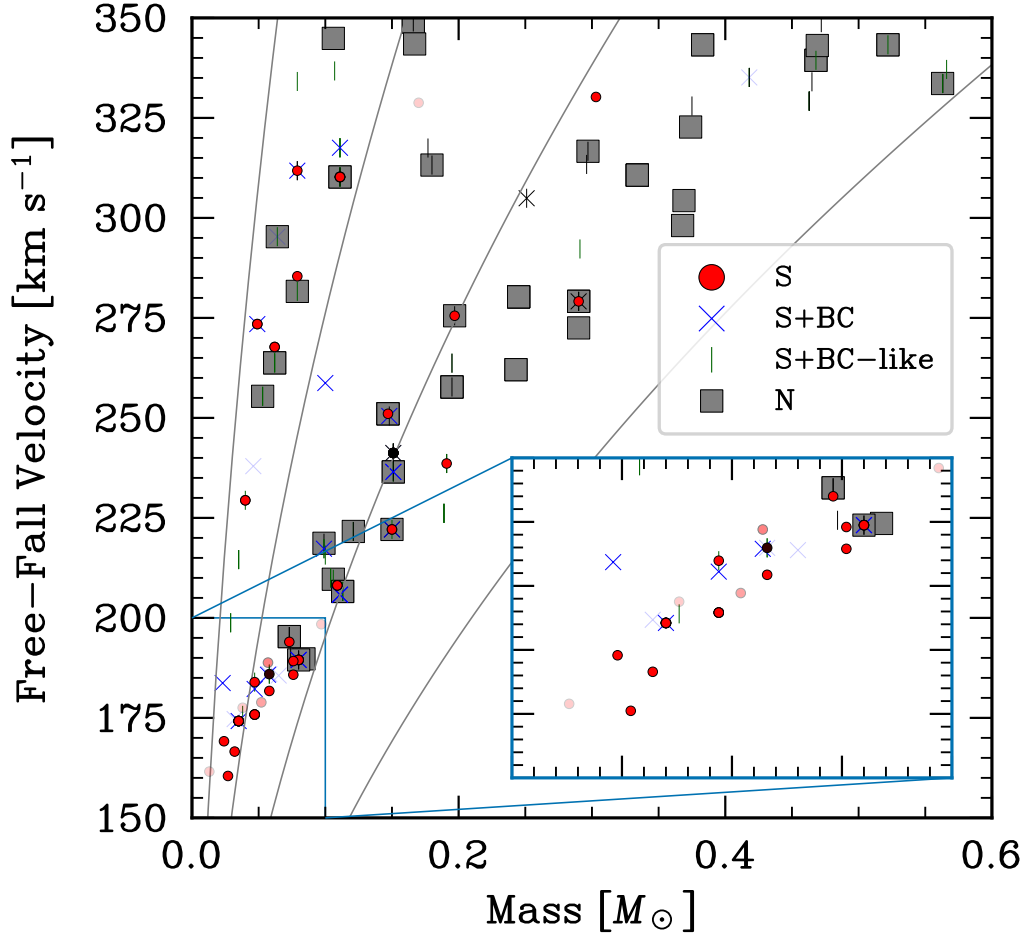


Figure 1: Emission-mechanism classifications in the mass–free-fall-velocity plane. Red circles, blue crosses, green bars, and gray squares denote the four main classes shock-emission dominates (S), shock-emission plus a broader component (S+BC), possible S+BC under relaxed criteria (S+BC-like), and none of the above (N). Less reliable classifications with different reasons are shown in black, while retaining the symbol of their main class. Thin gray lines indicate isocontours of object radius: $0.2 R_{\odot}$, $0.5 R_{\odot}$, $1 R_{\odot}$, and $2 R_{\odot}$, from left to right. Accreting planets with smaller masses and free-fall velocities likely belong to S: shock-emission dominates their hydrogen lines, except for $H\alpha$

A Very Fast Symplectic Integrator for Planetary Systems: WHFast512 in x86 Assembly

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The Astronomical Journal, in press (arXiv:2609.25339)

Long-term integrations of planetary systems are used in a variety of astrophysical applications, for example to determine a system's stability. In this paper, we describe significant speed and accuracy improvements to the WHFast512 integrator. By completely rewriting WHFast512 in x86 assembly, we gain fine-grained control over CPU instructions and are able to keep the entire simulation state in CPU registers, only writing to memory when an output is required. We also reduce the number of branches in the code, improve the Kepler solver's speed and accuracy with a convergence check, switch the Hamiltonian splitting to Jacobi coordinates, implement symplectic correctors, and add support for ejection and collision detection. As a benchmark we run simulations of the Solar System with all eight planets and general relativistic corrections for 5 Gyr. With our improvements, we can integrate this system in 9 hours, more than $8\times$ faster than the standard version of WHFast. This makes WHFast512 by far the fastest N-body integrator for this kind of simulation. We run extensive tests to verify the integrator's accuracy, with a particular focus on removing any long-term bias, and show that the accuracy is now five orders of magnitude better for typical setups compared to the earlier version of WHFast512. The new WHFast512 integrator is freely available in the REBOUND integrator package.

Download/Website: <https://arxiv.org/abs/2609.25339>

Download/Website: <https://github.com/hannorein/rebound>

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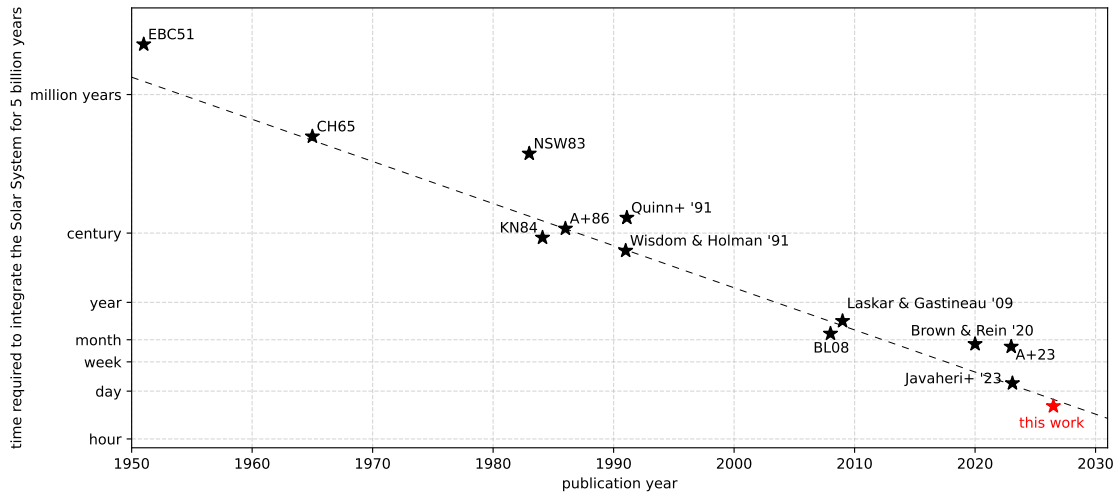


Figure 2: The wall-clock time required for an integration of the Solar System with all eight planets for 5 Gyr as reported by various publications over seven decades. The bottom right data point shows the result reported in this paper. The dashed line shows an exponential function, halving the walltime every 2.5 yrs. The data has been adopted from Sam Hadden, https://shadden.github.io/nbody_history/.

Spin-spin coupling in stellar binaries

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Astronomy & Astrophysics, published (2026A&A...711L..10C)

Spin-orbit misalignment is increasingly observed in binary stars, but its origin remains uncertain. We study the secular spin dynamics of stellar binaries and derive the associated Cassini states. We isolate a spin-spin resonance that arises when the two stellar spin-precession frequencies become commensurate. This resonance can excite the obliquity of the secondary to high values even when the primary is only weakly tilted. Magnetic braking favors the formation of high-obliquity states, whereas tidal dissipation may suppress them. Spin-spin coupling may thus help explain the observed diversity of obliquities in young stellar binaries.

Download/Website: <https://arxiv.org/abs/2607.22423>

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No statistically significant evidence for a correlation between stellar and planetary composition

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Monthly Notices of the Royal Astronomical Society, published (2026MNRAS.552g1756T)

The chemical compositions of planets and their hosts stars are intrinsically linked, having formed from the same protostellar material. Characterising this relationship provides key constraints on the processes governing planetary formation and evolution. Focusing on host stars with near-solar chemical abundances limits our understanding of how planetary composition varies across a broader chemical parameter space. Expanding the sample to include stars with compositions markedly different from the Sun is therefore essential for building a complete picture of star-planet compositional connections. Here, we focus specifically on iron-poor hosts since they are more likely to be alpha-enhanced and represent some of the most chemically distinct stars relative to the Sun (i.e., thick disc stars). We present a sample of 45 stars hosting 64 planets across the super-Earth and sub-Neptune regimes, for which we homogeneously obtain new stellar parameters including abundances, re-derive planetary mass and radius, and model the bulk interior compositions of their planetary companions. No statistically significant evidence for a correlation between stellar and planetary composition was found in our sample. We suggest that this null result is primarily driven by the large uncertainties inherent to both compositional proxies, which may obscure an underlying relationship. Quantifying these uncertainties is therefore a critical step that previous studies have not fully addressed. Furthermore, even with improved precision, uncovering such a relation may require a higher-dimensional treatment that accounts for additional parameters such as planetary equilibrium temperature.

Download/Website: <https://ui.adsabs.harvard.edu/abs/2026MNRAS.552g1756T/abstract>

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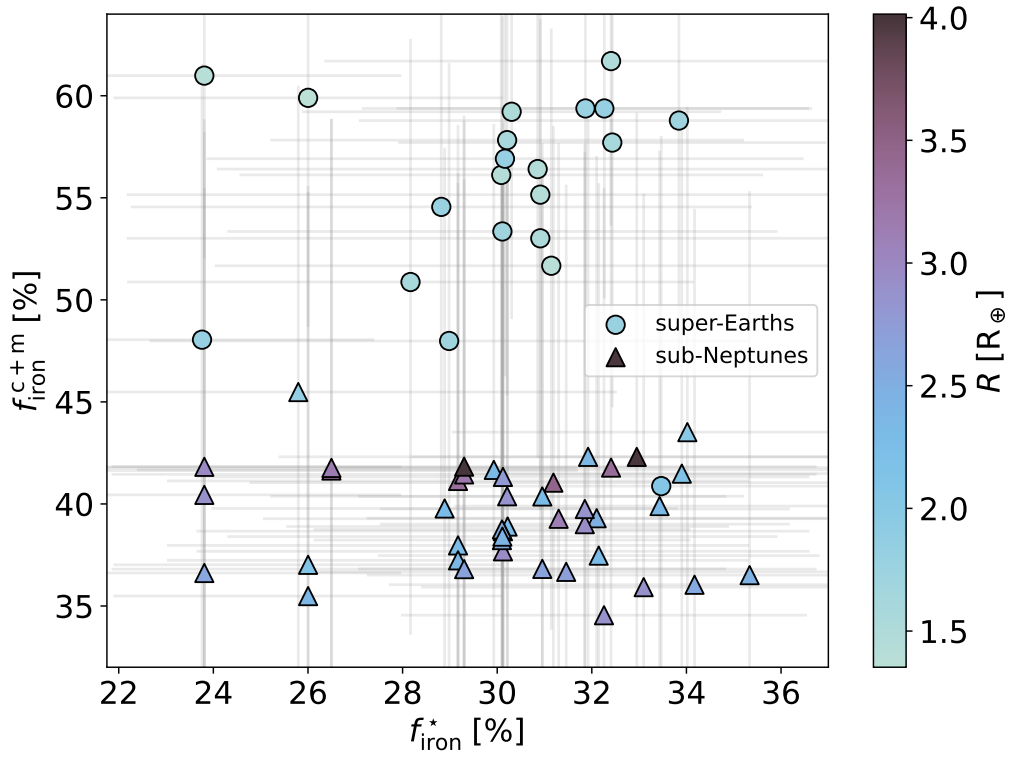


Figure 3: Planetary iron mass fraction (with respect to the core and the mantle only) vs. stellar iron mass fraction. Super-Earths and sub-Neptunes are shown as circles and triangles, respectively. Neither population exhibits a correlation, with slopes consistent with zero, and Pearson's r^2 values close to zero ($r^2 = 0.0005$ and $r^2 = 0.0141$ for super-Earths and sub-Neptunes, respectively).

3 Exoplanet Archives

September 2026 Updates at the NASA Exoplanet Archive

The NASA Exoplanet Archive team

Caltech/IPAC-NASA Exoplanet Science Institute, MC 100-22 Pasadena CA 91125

Pasadena CA USA, October 13, 2026

Note: Unless otherwise noted, all planetary and stellar data mentioned in the news are in the Planetary Systems Table, which provides a single location for all self-consistent planetary solutions, and its companion table the Planetary Systems Composite Parameters, which offers a more complete table of parameters combined from multiple references and calculations. Links to other tables and System Overview pages are embedded in the news text.

September 25, 2026

Sparse Siblings

This week's new planets include TOI-426 b & c, a hot sub-Neptune with a distant gas giant sibling, and K2-232 c, a cold gas giant with a previously known warm giant sibling.

Three new microlensing planets have also been added this week, including KMT-2023-BLG-0084 b, KMT-2023-BLG-1810 b, and KMT-2023-BLG-1118 b.

There are also new parameters for 15 planets: gam Cep b, GJ 9827 b, c, & d, HATS-34 b, HATS-46 b, K2-232 b, LHS 1478 b, TOI-700 b, c, d, & e, TOI-1839 b & c, and TOI-3235 b.

We've also added JWST spectra for HAT-P-12 b, HATS-6 b, HATS-46 b, TOI-3235 b, and TRAPPIST-1 f. You can find these spectra in the Atmospheric Spectroscopy Table.

September 11, 2026

Six New Planets

There are six new planets this week, comprising two warm Jupiters and four cold, giant microlensing planets. These additions bring the archive's total confirmed planet count to **6,366**.

Meet our newest members: HD 715 b, HD 278555 b, KMT-2025-BLG-0026L b, KMT-2025-BLG-0030L b, KMT-2025-BLG-2272L b, and OGLE-2016-BLG-0261L b.

September 3, 2026

Eight New Planets

This week, the archive welcomes eight new planets: CD-35 2722 B b, HD 50554 c & d, KMT-2025-BLG-0975L b, KMT-2025-BLG-1160L b, TOI-3053 b, TOI-3278 b, and TOI-4409 b.

We also bid adieu to WASP-126 c, which is now listed as a False Positive Planet based on a published refutation. Its data remain on the WASP-126 System Overview page and have been removed from the Planetary Systems tables.

There are also new parameters for 19 planets: DMPP-7 b, HAT-P-18 b, HD 114082 b, Kepler-82 b, c, & f, Kepler-419 b & c, Kepler-725 b & c, KOI-142 b & c, KOI-872 b & c (a.k.a. Kepler-46 b & c), KOI-884 d & e, TOI-1173 b, and WASP-107 b & c.

exoplanetarchive.ipac.caltech.edu

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4 Jobs and Positions

KITP Program on Cloud Physics Across Planetary Regimes

T.D. Komacek, P. Gao, D. Powell, J. Mitchell, I. Tan

Kavli Institute for Theoretical Physics, 3 January - 24 February, 2028

Applications are open for an upcoming Kavli Institute for Theoretical Physics program on “Cloud Physics Across Planetary Regimes: From Earth to Exoplanets” which will take place from 3 January - 24 February, 2028 in Santa Barbara, California. The full description is appended below. Please see <https://www.kitp.ucsb.edu/activities/clouds28> for more information including the application portal (workshop application deadline: January 10, 2027).

There will also be a one-week conference embedded in the program on “Characterising Clouds in Planetary Atmospheres” from 31 January - 3 February 2028, for which applications are open both for workshop attendees and those not planning to attend the workshop. Please register for the conference at <https://www.kitp.ucsb.edu/activities/clouds-c28> (conference registration deadline: November 7, 2027).

Program description:

Cloud physics is an outstanding problem for Earth, Solar System planets, and exoplanets, from the sub-micron scales of cloud formation to the global scale of atmospheric dynamics. Indeed, our limited understanding of how cloud physics changes with warming is the primary cause of physical uncertainty in projections of Earth’s climate. Studying clouds across planetary regimes between the Solar System and exoplanets provides us with a lever arm to improve our understanding of the fundamental physics of clouds. This includes processes ranging from cloud formation, growth and transport, and the resulting effects of clouds on the top-of-atmosphere radiative budget (i.e., the climate). Given the recent first detections of mineral clouds on gas giant exoplanets with JWST, current and upcoming Solar System missions to Jupiter, Venus, and Mars, and the ever-pressing need to understand Earth’s changing climate, it is imperative to link together our disparate understanding of cloud physics across disciplines and develop a coherent understanding.

The goal of this program is to connect cloud physicists who study Earth, other Solar System objects (Venus, Mars, Titan, and gas and ice giants), and exoplanets. We aim to make advances through combining the expertise of laboratory experimentalists, observers (both in situ and remote), theorists, and numerical modellers to understand the interaction of cloud formation and growth, transport, and the radiative feedback of clouds on the resulting climate and atmospheric dynamics across the broad range of possible planetary regimes.

Download/Website: <https://www.kitp.ucsb.edu/activities/clouds28>

Contact: tad.komacek@physics.ox.ac.uk

PhD Opportunities in Interdisciplinary Space Sciences and Planetary Research (YRP@Graz)

Young Researcher Program in interdisciplinary space science and planetary research (YRP@Graz)

* Space Research Institute of the Austrian Academy of Sciences, Graz, Austria

Graz (Austria), beginning of 2027

As part of its Young Researcher Programme YRP@Graz, the Space Research Institute (IWF) of the Austrian Academy of Sciences (OeAW) invites applications for two PhD positions. This programme offers exciting opportunities in space science, from exoplanet research and astrochemistry to instrument development.

The offered projects are:

- Development of a High-frequency Electrostatic Gating System for a Next-Generation Ion Mass Spectrometer towards the Saturnian system
- Atmospheric modelling of N₂-dominated atmospheres on rocky (exo)planets affected by high-energetic events

We seek excellent candidates with a Master's degree in physics, astrophysics, geoscience, computational chemistry, electrical engineering, or an equivalent field. The positions are for a minimum of three years, starting as early as February 1, 2027.

The application process has two stages, with stage 1 being an anonymised questionnaire (submission deadline: October 31, 2026), stage 2 takes the form of an interview.

Details about the offered projects and the application process can be found here:

<https://www.oeaw.ac.at/en/iwf/research/young-researcher-program/phd-students/yrp-phd-application-2026>

We are looking forward hearing from you!

Download/Website: <https://oeawnr.onlyfy.jobs/de/job/2xjqwg3g>

Contact: ruth-sophie.taubner@oeaw.ac.at

Postdoctoral Researcher: Multiscale Physics of Clouds Across Planetary Atmospheres

Director: Caroline Morley

Various institutions, positions begin March 2027

The Multiscale Physics of Clouds Across Planetary Atmospheres collaboration, funded by the Simons Foundation, is seeking 8 postdoctoral researchers to develop new approaches to understanding clouds across Solar System, exoplanet, and brown dwarf atmospheres.

The positions are based at 7 institutions internationally, with each researcher working on a distinct project within the broader collaboration. Projects span topics including cloud microphysics, atmospheric dynamics, radiative transfer, laboratory and experimental studies, observations, and computational modeling. We welcome applicants from Earth sciences, astronomy, planetary science, atmospheric science, and related fields.

We are particularly interested in researchers who bring expertise in areas such as atmospheric physics, fluid dynamics, cloud formation, spectroscopy, remote sensing, numerical modeling, laboratory measurements, or related computational and theoretical approaches. Prior experience specifically studying planetary clouds is not required.

Applicants will submit one application to the collaboration and may indicate their interest in multiple projects. Candidates will be evaluated across the collaboration and subsequently matched to positions based on scientific interests, qualifications, project fit, location/work authorization, and candidate preferences.

Additional details about the individual projects, host institutions, and application process are available at the link below. Note that for compliance, some institutions will require an application in their own system; you will be contacted if another submission is required.

Download/Website: <https://aas.org/jobregister/ad/bdbbb7e9>

Contact: cmorley@utexas.edu

5 As seen on astro-ph

The following list contains exoplanet related entries appearing on astro-ph in September 2026.

Disclaimer: The hyperlinks to the astro-ph articles are provided for the convenience of the reader, but the ExoPlanet News cannot be responsible for their accuracy and perpetuity.

September 2026

- astro-ph/2609.00140: **Using Ringed Disks to Determine Fundamental Parameters of Planet Formation** by *Olivia Wu et al.*
- astro-ph/2609.00458: **An Upper Limit on Turbulent Viscosity in the Circumjovian Nebula** by *Konstantin Batygin, Fred C. Adams*
- astro-ph/2609.00428: **Accelerating Chemical Kinetics for Exoplanet Atmospheres using Neural Networks** by *Isaac Malsky et al.*
- astro-ph/2609.00149: **Self-induced edge rings in protoplanetary disks** by *Massimiliano Bolchini et al.*
- astro-ph/2609.00263: **A JWST transiting survey of FGK stellar limb darkening: empirical evidence for quadratic laws and atmospheric model comparisons** by *David K. Sing et al.*
- astro-ph/2609.00147: **The Venus Benchmark: Resolving Degeneracies in Terrestrial Exoplanet Spectra with DAVINCI** by *Stephen R. Kane et al.*
- astro-ph/2609.00281: **Three-dimensional circumplanetary flows in a PDS 70c-inspired system: hydrodynamic simulations with FARGO3D and analysis with FARGOpy** by *Alejandro Murillo-Gonzalez et al.*
- astro-ph/2609.01013: **Exoplanets in star clusters** by *T. Broza, E. Paunzen*
- astro-ph/2609.01790: **Precise Stellar Age Constraints and Habitable Zone Evolution in Exoplanet Systems** by *Grace Henry et al.*
- astro-ph/2609.03144: **Evolutionary pathways toward survival of a thick CO₂- or SO₂-rich atmosphere on the lava world TOI-561 b** by *Emma Postolec et al.*
- astro-ph/2609.03060: **Low-energy ring particle accretion as the origin of Pan's equatorial ridge** by *Marco Baj et al.*
- astro-ph/2609.03031: **New and Updated Rossiter-McLaughlin Measurements for Three Hot Jupiter-Hosting M Dwarfs** by *Drew Weissman et al.*
- astro-ph/2609.03029: **JWST MIRI reveals a potential atmosphere on the ultra-hot rocky planet TOI-431b** by *Cole Smith et al.*
- astro-ph/2609.03119: **Infrared-excess sources in VVV: candidate debris discs, SED characterization, and variability analysis** by *P. Esteves et al.*
- astro-ph/2609.02888: **POSEIDON III: The Aligned Orbit of the Hot Neptune Around the Hot Star WASP-195** by *Juan I. Espinoza-Retamal et al.*
- astro-ph/2609.02856: **The Ultraviolet Spectrograph on ESA's Jupiter Icy Moons Explorer Mission (JUICE-UVS)** by *Kurt D. Retherford et al.*
- astro-ph/2609.02708: **The Hill sphere transits of Beta Pictoris c and the search for another 1981-like event** by *V. E. C. Bakker et al.*
- astro-ph/2609.02599: **Drift-dominated dust evolution. A multiwavelength analysis of dust rings in CY Tau and DoAr25** by *Anastasia Topalidou et al.*
- astro-ph/2609.03006: **Radial velocity detection of the TRAPPIST-1 planetary system with SPIRou and NIRPS** by *Alexandrine L'Heureux et al.*
- astro-ph/2609.02577: **3.5-meter Segmented-Mirror Robotic Space Telescope Mission White Paper III. Key Scientific Mission: Exoplanet Science with a Coronagraph** by *Juhan Kim et al.*
- astro-ph/2609.03575: **Trans-Neptunian Object dynamics even better explained by a stellar flyby after 4.5 Gyr of evolution** by *Susanne Pfalzner et al.*
- astro-ph/2609.03759: **Disk survey in the Serpens star-forming region: Environmental effects in nearby star-forming regions** by *Simin Tong et al.*

- astro-ph/2609.03975: **Detection of hydrocarbons in Titan using high-resolution cross-correlation spectroscopy** by *Maria Coelho et al.*
- astro-ph/2609.05312: **Evidence for LP 890-9d via Transit Timing Variations** by *Kevin B. Stevenson et al.*
- astro-ph/2609.05326: **Contrasting C/O ratios in Uranus and Neptune from disequilibrium chemistry: A clue to distinct evolutionary pathways?** by *T. Briand et al.*
- astro-ph/2609.05366: **Dust Substructures and Line Perturbations driven by a Forming Planet in J16120** by *Anibal Sierra et al.*
- astro-ph/2609.05620: **Deep H α Imaging Survey of IC 348 with the Hubble Space Telescope: I. Accretion Properties of Stellar and Substellar Objects** by *Lillian Yushu Jiang et al.*
- astro-ph/2609.05619: **Rotational broadening of exoplanet spectra in arbitrarily oriented systems: Application to reflected light** by *Sophia R. Vaughan, Laura Kreidberg*
- astro-ph/2609.05301: **JWST Excludes Exomoons Down to 0.1 Earth Radii Around a Rocky, Temperate Exoplanet** by *David Kipping*
- astro-ph/2609.05599: **POSTELLAR: Posterior Stellar Spectrum Sampling - An Alternative to Approximate Stellar Spectra for Exoplanetary Analysis** by *Dhvani Doshi et al.*
- astro-ph/2609.05264: **A Homogeneous Survey of JWST MIRI Transmission Spectra of 10 Exoplanets** by *Martin Binet et al.*
- astro-ph/2609.04790: **Signatures of rocky debris accretion in AF-Type planet hosts** by *J. Maldonado et al.*
- astro-ph/2609.05208: **Active focal plane phase mask coronagraphy with a discrete pixelated device: I. Study of the theoretical performance trade space** by *Liurong Lin et al.*
- astro-ph/2609.05134: **Stability of circumbinary planets: the role of binary properties and migration scenarios** by *Romain Grane et al.*
- astro-ph/2609.05080: **Gravitational instability in planet-forming discs** by *Cristiano Longarini, Giuseppe Lodato*
- astro-ph/2609.04973: **Updated in-flight calibration of the Hayabusa2/NIRS3 spectrometer: new global near-infrared photometric properties of asteroid (162173) Ryugu** by *Antonin Wargnier et al.*
- astro-ph/2609.04946: **Mapping the WISPIT2 Planet-Hosting Cavity at Sub-Hill-Radius scales** by *Myriam Benisty et al.*
- astro-ph/2609.04944: **The metallicity of giant exoplanets around low-mass stars and how Ariel can help** by *Ravit Helled et al.*
- astro-ph/2609.04897: **Disk dispersal freezes overstable resonant librations** by *Linghong Lin, Beibei Liu*
- astro-ph/2609.04597: **Retrieving Ocean Glint Reflectance Signatures from Directly Imaged Earth-like Exoplanets** by *Eleanor Cornish, Tyler D. Robinson*
- astro-ph/2609.05230: **Planetary gas gaps and kinematic signatures in the planet forming disk around WISPIT 2** by *Nienke van der Marel et al.*
- astro-ph/2609.06112: **Shaving the Outskirts of Planetary Systems Probed by Roman via Stellar Flybys** by *Donald Liveoak et al.*
- astro-ph/2609.06863: **The Effect of X-Ray and Accretion Variability on Mid-Infrared Lines in the Young Disk-Bearing Binary DQ Tau** by *Bayron Portilla-Revelo et al.*
- astro-ph/2609.07818: **Sea Ice as an Origin of Life Location for Hycean and Ocean Worlds** by *Edouard F. L. Barrier et al.*
- astro-ph/2609.07320: **That's no moon: Exomoon survival and detection limitations** by *Alicia Pérez-Rodrigo, Isabel Rebolledo*
- astro-ph/2609.07278: **The effect of the atmospheric C/O ratio on interiors of hot Jupiters** by *Esther van Dijk et al.*
- astro-ph/2609.09481: **Detecting White Dwarf Exoplanets in the Roman Era** by *Zifan Lin, Tansu Daylan*
- astro-ph/2609.09382: **Beyond Pebble Isolation: Diverse Pathways to Giant Planet Formation Across Stellar and Orbital Scales** by *Lorenzo Peerani et al.*
- astro-ph/2609.09329: **The future of high-resolution UV spectroscopy: Science with a UV Échelle spectrograph on the Habitable Worlds Observatory, or a dedicated mission** by *Annalisa De Cia et al.*

- astro-ph/2609.09319: **A Stellar-Type Dependence in the Rocky and Volatile Composition of Small Exoplanets** by *Ji Wang et al.*
- astro-ph/2609.08621: **XUE. ProDiMo models of internally and externally irradiated planet-forming disks around 0.3-4.0 solar mass stars (The IRIS project I)** by *Jenny Frediani et al.*
- astro-ph/2609.09278: **The GAPS programme at TNG LXXVIII. Phase-resolved detection of multiple atomic species in the atmosphere of KELT-20b/MASCARA-2b** by *F. Biassoni et al.*
- astro-ph/2609.09077: **The Discovery of K2-232c: Divergent Formation Histories for Hot and Warm Jupiters Based on Outer Companion Eccentricity** by *Jessica A. Ranshaw et al.*
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