

Curriculum Vitae

Richard Teague

CONTACT INFORMATION	Department of Earth, Atmospheric, and Planetary Sciences Massachusetts Institute of Technology Cambridge, MA 02139, USA	(+1) 617-495-7259 https://richteague.github.io rteague@mit.edu
EMPLOYMENT	Massachusetts Institute of Technology Department of Earth, Atmospheric and Planetary Sciences <i>Kerr McGee Development Assistant Professor</i>	Jul. 2022 – Present
	Smithsonian Astrophysical Observatory <i>Research Associate</i>	May 2022 – Apr. 2025
	Center for Astrophysics Harvard & Smithsonian <i>Submillimeter Array Fellow</i>	Sep. 2019 – Apr. 2022
	University of Michigan <i>Postdoctoral Researcher</i>	May 2017 – Jul. 2019
	Max-Planck-Institute for Astronomy <i>Postdoctoral Researcher</i>	Jan. 2017 – Apr. 2017
EDUCATION	Max-Planck-Institute for Astronomy , Heidelberg, Germany Ph.D. in Astronomy (Magna Cum Laude)	Oct. 2013 – Jan. 2017
	University of Edinburgh , Edinburgh, United Kingdom MPhys Astrophysics (First Class Honours)	Sep. 2008 – May 2013
HONOURS & AWARDS	pH Lectureship <i>Recognize a CfA scientist who shows exceptional promise early in their career.</i>	Sep. 2022
	Harvard Data Science Initiative Research Fund (\$9,700) <i>Regularized Maximum Likelihood Imaging: A New Method for Detecting Planets</i>	Mar. 2020
	Ernst Patzer Award <i>Awarded for the best refereed publication by a young scientist.</i>	Nov. 2016
	Pre-Honours Certificate of Merit <i>Awarded for top 5% performance in pre-honours exams.</i>	May 2011
	Pre-Honours Certificate of Merit <i>Awarded for top 5% performance in pre-honours exams.</i>	May 2010
PUBLICATION SUMMARY	20 lead author papers , including one published in <i>Nature</i> , and 95 co-author papers, including one published in <i>Nature</i> , totaling 4162 citations and a h-index of 38 (ADS).	
OBSERVATIONAL TIME SUMMARY	Awarded over 332 hours (480 hours) of time on ALMA as PI (co-I), including as the exoALMA Large Program of which I am PI, 20 hours (165 hours) on IRAM telescopes as PI (co-I), 46 hours (30 hours) on the SMA as PI (co-I), 26 hours (18 hours) on JWST as co-PI (co-I), 6 hours on VLT/GRAVITY as PI and 3 nights (6 nights) as PI (co-I) on Magellan . I have also been a co-investigator on projects for the HST , VLA and other instruments on the VLT with awards of 70 hours, 25 hour and 35 nights, respectively. A break down of PI proposals can be found at the end of the CV.	
DEPARTMENTAL SERVICES	EAPS Committee on the Education Program EAPS Distinguished Postdoctoral Fellowship Committee	2023 - Present 2022
ACADEMIC ADVISOR	Anika Nath Kaylee Barrera	2023 - Present 2023 - Present
PROFESSIONAL SERVICES	Spatio-spectral Modeling of ALMA Data Cubes:	

	Insights and Challenges for ALMA-2030 SOC <i>Charlottesville, VA, USA</i>	May 2024
	exoALMA Start of Science Workshop <i>Boston, MA, USA</i>	Dec. 2022
	Vertical Shear Instability Meeting SOC <i>Virtual Meeting</i>	Nov. 2022
	SMA Interferometry School SOC <i>SMA, Hilo, Hawaii, USA</i>	Mar. 2021
	Advanced Data Analysis Techniques for ALMA SOC <i>NRAO, Charlottesville, Virginia, USA [postponed due to Covid-19]</i>	Oct. 2020
	SMA Seminar Organizer <i>Departmental Seminar Series</i>	2020 - 2021
	Visualizing the Kinematics of Planet Formation SOC <i>Flatiron Institute, New York City, USA</i>	Oct. 2019
	Postdoc and Research Scientist DEI Representative <i>Department Diversity, Equity and Inclusion Committee Member</i>	2018 – 2019
	Equi-Tea Organizer <i>Diversity, Equity and Inclusion Journal Club</i>	2018 – 2019
	Stars, Planets and Formation Seminar Organizer <i>Departmental Seminar Series</i>	2018 – 2019
	Conversations on Equity and Inclusion Co-organizer <i>Joint Physics / Astronomy / Space Sciences DEI Colloquium Series</i>	2018 – 2019
	NESSF External Reviewer	2018, 2020
	Heidelberg MPG Student Workshop Organizer	2016
	PSF Coffee Organizer <i>Departmental Seminar Series</i>	2015 – 2017
	MPIA Student Representative	2015 – 2017
	MPIA Student Workshop Organizer	2015 – 2016
	IMPRS Graduate Student Representative	2013 – 2017
	Referee for AAS, A&A, MNRAS and Nature journals	
SUPERVISION	Jensen Pierce Thomas Lawrence MIT <i>Graduate Student</i>	2023 - Present
	Anika Nath MIT <i>Undergraduate Research Opportunity Program</i>	2024 - Present
	Carol Chen MIT <i>Undergraduate Research Opportunity Program</i>	2022 - 2023
	Aidan van Duzer MIT <i>Undergraduate Research Opportunity Program</i>	2023
	Anna Orgel MIT <i>Undergraduate Research Opportunity Program</i>	2022 - 2023
	Haochuan Yu Beijing Normal University <i>Undergraduate student.</i>	2020 - 2022
	Alessandra Canta Harvard University <i>Undergraduate student. Co-supervised with Karin Öberg, Harvard</i>	2020 - 2021
	Felipe Alcaron University of Michigan <i>Graduate student. Co-supervised with Ted Bergin and Ke Zhang, UMich.</i>	2019 – 2020
	Jenny Calahan University of Michigan <i>Graduate student. Co-supervised with Ted Bergin and Ke Zhang, UMich.</i>	2019 – 2020
	Deryl Long University of Michigan <i>Undergraduate student. Co-supervised with Ted Bergin and Ke Zhang, UMich.</i>	2019

	Case Hazewinkel University of Michigan	2019
	<i>Undergraduate student. Co-supervised with Ted Bergin, UMich.</i>	
	Jeanne Kwon University of Michigan	2018 – 2019
	<i>Undergraduate Research Opportunity Program</i>	
	Julian Penzinger Ludwig Maximilian University	2016, 2018
	<i>Summer student. Co-supervised with Dmitry Semenov, MPIA.</i>	
TALKS & SEMINARS	GRAVITY+: Impact on Star and Planet Formation	Jun. 2024
	<i>An Interferometric View of the Planet Formation Environment: Past, Present and Future</i>	<i>(invited)</i>
	McMaster Astronomy Colloquium	Mar. 2024
	<i>From Pebbles to Planets: What Gas Can Tell Us</i>	<i>(invited)</i>
	Canadian Institute for Theoretical Astrophysics Colloquium	Mar. 2024
	<i>From Pebbles to Planets: What Gas Can Tell Us</i>	<i>(invited)</i>
	Star to Planet Formation Workshop	Mar. 2024
	<i>Molecular Probes of the Planet Formation Environment</i>	<i>(invited)</i>
	Munich Joint Astronomical Colloquium	Feb. 2024
	<i>From Pebbles to Planets: What Gas Can Tell Us</i>	<i>(invited)</i>
	Munich University Astronomy Colloquium	Feb. 2024
	<i>exoALMA: Early Results and Future Outlook</i>	<i>(invited)</i>
	ALMA at 10 Years: Past, Present, and Future	Dec. 2023
	<i>The Dynamical Structure of Planet Forming Disks</i>	<i>(invited)</i>
	Gordon Conference on the Origins of Solar Systems	Jun. 2023
	<i>Witnessing the Formation of Giant Planets and their Moons</i>	<i>(invited)</i>
	MATH + X: Planet Formation and Habitability	May 2023
	<i>Witnessing the Earliest Stages of Planet Formation</i>	<i>(invited)</i>
	Boston University Astrophysics Seminar	May 2023
	<i>Witnessing the Formation of Giant Planets and their Moons</i>	<i>(invited)</i>
MIT Haystack Colloquium	Apr. 2023	
<i>Witnessing the Formation of Giant Planets and their Moons</i>	<i>(invited)</i>	
Ohio State University Astronomy Colloquium	Mar. 2023	
<i>Witnessing the Formation of Giant Planets and their Moons</i>	<i>(invited)</i>	
Harvard University Department of Earth and Planetary Sciences Colloquium	Feb. 2023	
<i>Witnessing the Formation of Giant Planets and their Moons</i>	<i>(invited)</i>	
From Clouds to Planets II: The Astrochemical Link	Oct. 2022	
<i>ALMA's 3D View of Planet Formation</i>	<i>(invited)</i>	
Center for Astrophysics Harvard & Smithsonian pH Lecture	Sep. 2022	
<i>Exploring the Youngest Planetary Systems</i>	<i>(invited)</i>	
University of Florida Astronomy Colloquium	Feb. 2022	
<i>Detecting the Youngest Planets</i>	<i>(invited)</i>	
Penn State CEHW Seminar Series	Feb. 2022	
<i>Detecting the Youngest Planets</i>	<i>(invited)</i>	
Pan-Experiment Galactic Science Group Seminar Series	Nov. 2021	
<i>Detecting Molecular Line Polarization in Protoplanetary Disks</i>	<i>(invited)</i>	
Munich Join Astronomical Colloquium	Oct. 2021	
<i>Mapping the Assembly of Planetary Systems in 6 Dimensions</i>	<i>(invited)</i>	
Center for Astrophysics Harvard & Smithsonian Colloquium	Sep. 2021	
<i>Mapping the Assembly of Planetary Systems in 6 Dimensions</i>	<i>(invited)</i>	
ETH Zurich Exoplanets & Habitability Seminar	May 2021	
<i>Witnessing the Assembly of Planetary Systems</i>	<i>(invited)</i>	
Cambridge Exoplanet Center Seminar	May 2021	
<i>Witnessing the Assembly of Planetary Systems</i>	<i>(invited)</i>	

Towards the Comprehensive Characterization of Exoplanets: Science at the Interface of Multiple Measurement Techniques <i>Transforming ALMA into a Planet Hunting Facility</i>	Apr. 2021
McMaster University Astrophysics Seminar <i>Witnessing the Assembly of Planetary Systems</i>	Apr. 2021 (invited)
Circumplanetary Disks II <i>Observations and Observational Predictions</i>	Mar. 2021 (invited)
Max Planck Research Group Selection Symposium <i>Witnessing the Assembly of Planetary Systems</i>	Feb. 2021 (invited)
Caltech Dix Planetary Science Department Seminar <i>Planet Formation in Six Dimensions</i>	Feb. 2021 (invited)
Five Years After HL Tau: A New Era in Planet Formation <i>Observing the Kinematics of Gaseous Substructures</i>	Dec. 2020
Research Unit Transition Disks (RUTD) Conference <i>Observing the Dynamics of Planet Disk Interactions</i>	Oct. 2020 (invited)
Exoplanets III <i>Kinematical Detection and Characterizing of Protoplanets with ALMA</i>	July 2020
MPIA Königstuhl Colloquium <i>Visualizing the Assembly of Planetary Systems</i>	July 2020 (invited)
JPL Astrophysics Colloquium <i>Witnessing the Dynamics of Planetary Assembly</i>	Nov. 2019 (invited)
Visualizing the Kinematics of Planet Formation <i>Exploiting ALMA's Potential for Planet Hunting</i>	Oct. 2019
Gordon Research Seminar <i>Unveiling the Dynamics of Planet Formation</i>	June 2019
IAU Symposium 350: Laboratory Astrophysics <i>The Physical Conditions of Planet Formation with Molecular Excitation</i>	Apr. 2019 (invited)
Planet-Forming Disks <i>Unveiling the Dynamics of Planet Formation</i>	Mar. 2019 (invited)
NAOJ Theoretical Astronomy Seminar <i>Observing the Kinematics of Planet-Disk Interactions with ALMA</i>	Oct. 2018 (invited)
LMU Munich Astronomy Colloquium <i>Using Kinematics to Search for Embedded Protoplanets</i>	Aug. 2018 (invited)
University of Tübingen Astronomy Seminar <i>Kinematical Detections of Embedded Protoplanets</i>	Aug. 2018 (invited)
Astrophysical Frontiers in the Next Decade and Beyond <i>The First Kinematical Detection of Embedded Protoplanets</i>	Apr. 2018
Magnetic Fields or Turbulence <i>A Spatially Resolved Search for Turbulence in TW Hya</i>	Feb. 2018
MPIA Patzer Awards Colloquium <i>Measuring Turbulence in TW Hya with ALMA: Methods and Limitations</i>	Nov. 2016 (invited)
MPIA Königstuhl Colloquium <i>Observing the Earliest Stages of Planet Formation</i>	Nov. 2016 (invited)
Astrochemistry with ALMA Cycle 4 <i>Detecting Turbulence in Protoplanetary Disks</i>	Jun. 2016 (invited)
Sant-Cugat Forum on Astrophysics <i>Turbulence in Protoplanetary Disks: Methods and Limitations</i>	Apr. 2016
Protoplanetary Discussions <i>Turbulence in TW Hya</i>	Mar. 2016
Chemical Diagnostics of Star and Planet Formation <i>Deuterium Fraction in Protoplanetary Disks</i>	Jan. 2015 (invited)

	ZAG - IPAG - MPIA Workshop on Planet Formation <i>Deuterium Fraction in DM Tau</i>	Jan. 2015 (invited)
SUCCESSFUL TELESCOPE PROPOSALS (AS [CO-]PI)	Magellan/MagAOx PI: Teague, R. , 3 nights <i>A Targeted Search for the Youngest Exoplanets</i>	2024a
	VLT/GRAVITY PI: Teague, R. , 6 hours, 112.25RK <i>Using Proto-Trojans as Waymarkers of Protoplanets</i>	P112
	JWST PI: Benisty, M. , 18 hours, 3254 coPIs: Facchini, S., Fukagawa, M., Pinte, C. & Teague, R. <i>Direct detection of kinematically-detected protoplanet candidates</i>	Cycle 2
	ALMA PI: Teague, R. , 18 hours, 2022.1.00840.S, A ranked <i>The Most Sensitive Search for Magnetic Fields in a Solar Nebula Analogue</i>	2022
	ALMA PI: Teague, R. , 5 hours, 2022.1.00887.S, B ranked <i>Ultra-High Velocity Resolutions of the Planet-Disk Interactions in TW Hya</i>	2022
	ALMA PI: Teague, R. , 11 hours, 2022.1.00799.S, C ranked <i>Mapping the Influence of Magnetic Fields on the Evolution of HD 163296</i>	2022
	ALMA PI: Teague, R. , 33 hours, 2022.1.00993.S, C ranked <i>Mapping the Magnetic Field Morphology in TW Hya</i>	2022
	SMA PI: Teague, R. , 30 hours, 2020A-S033, A ranked <i>Is the Magneto-Rotational Instability Driving Protoplanetary Disk Evolution?</i>	2021b
	ALMA PI: Teague, R. , 183 hours, 2021.1.01123.L, A ranked co-PIs: Bensity, M., Facchini, S., Fukagawa, M. & Pinte, C. <i>exoALMA Large Program</i>	2021
	JWST PIs: Cugno, G. & Teague, R. , 8 hours, 2153, <i>Detecting a Young 2 Jupiter Mass Planet Embedded in the Disk of HD 163296</i>	Cycle 1
	SMA PI: Teague, R. , 6 hours, 2020A-S033, B ranked <i>A 3D Exploration of an Edge-On Self-Gravitating Disk</i>	2020b
	SMA PI: Teague, R. , 10 hours, 2020A-S033, A ranked <i>A 3D Exploration of an Edge-On Self-Gravitating Disk</i>	2020a
	ALMA PI: Teague, R. , 13.8 hours, 2019.1.01357.S, A ranked <i>Constraining the H₂ Surface Density Profile in IM Lup</i>	2019
	ALMA PI: Teague, R. , 3.0 hours, 2019.1.00794.S, B ranked <i>Detecting the Photoevaporative Wind in IM Lup</i>	2019
	ALMA PI: Teague, R. , 33.2 hours, 2019.1.00419.S, B ranked <i>Mapping the 3D Kinematic Structure of Planet Formation</i>	2019
	ALMA PI: Teague, R. , 20.2 hours, 2018.A.00021.S, DDT <i>Confirmation of an Embedded Planet in the Disk of TW Hya</i>	2019
	Magellan/MagAO PI: Teague, R. , 6 hours <i>Searching for Wide Separation Planets in AS 209</i>	2018
ALMA PI: Teague, R. , 6.7 hours, 2018.1.00980.S, A ranked <i>An Unambiguous Detection of a Magnetic Field in a Protoplanetary Disk</i>	2018	
ALMA PI: Teague, R. , 5.3 hours, 2016.1.00440.S, A ranked <i>Model Independent Study of Turbulence and Temperature in TW Hya</i>	2016	
IRAM PdBI PI: Teague, R. , 19.9 hours, W14BI, C ranked <i>Disk Diagnostics with Deuteration</i>	2014	
(AS CO-I)	Including over 480 hours with ALMA , 150 hours with IRAM telescopes, 30 hours with the SMA , 50 hours with the VLA , 70 hours with VLT (X-SHOOTER, SPHERE and CRIRES), 5 nights with Magellan (MagAO/MagAOx), 3 orbits with HST and 18 hours with JWST .	
OUTREACH	University of Michigan Lowbrow Astronomers <i>How to Find Baby Planets</i>	Nov. 2020

SCHOOL PARTICIPATION	45th Saas-Fee Course	2015
	<i>From Protoplanetary Disks to Planet Formation</i>	
	Heidelberg Graduate School on Fundamental Physics	2015
	DIANA Protoplanetary Disk School	2014
OBSERVING EXPERIENCE	Sub-Millimeter Array	2019 – 2020
	<i>Monthly rota</i>	
	MPG/ESO 2.2m	2016
	<i>14 nights</i>	
TEACHING	12.S681 - From Grains to Gas Giants: The Formation of Planetary Systems	2024
	12.410 - Observational Techniques for Optical Astronomoy	2022 - Present
	Wavefront Analysis Laboratory Instructor	2014
PUBLICATIONS (LEAD AUTHOR)	20. Teague, R. , Bae, J., Andrews, S. M., et al., 2022, ApJ, 936, 163 <i>Mapping the Complex Kinematic Substructure in the TW Hya Disk</i>	
	19. Teague, R. , Bae, J., Benisty, M., et al., 2022, ApJ, 930, 144 <i>Gas and Dust Shadows in the TW Hydrae Disk</i>	
	18. Teague, R. , Law, C. J., Huang, J. et al., 2021, JOSS, 6 <i>disksurf: Extracting the 3D Structure of Protoplanetary Disks</i>	
	17. Teague, R. , Bae, J., Aikawa, Y., et al., 2021, ApJS, 257 <i>MAPS XVIII: Kinematic Substructure in the Disks of HD 163296 and MWC 480</i>	
	16. Teague, R. , Hull, C. L. H., Bergin, E. A., et al., 2021, ApJ, 922 <i>Discovery of Molecular Line Polarization in the Disk of TW Hya</i>	
	15. Teague, R. & Loomis, R. A., 2020, ApJ, 899 <i>The Excitation Conditions of CN in TW Hya</i>	
	14. Teague, R. , Jankovic, M. R., Haworth, T. J., et al., 2020, MNRAS, 495 <i>A Three Dimensional View of Gomez's Hamburger</i>	
	13. Teague, R. , 2019, IAU Proceedings Series, 350 <i>Tracing The Physical Conditions of Planet Formation with Molecular Excitation</i>	
	12. Teague, R. , Bae, J., Huang, J., Bergin, E. 2019, ApJL, 884 <i>Spiral Structure in the Gas Disk of TW Hya</i>	
	11. Teague, R. , Bae, J., Bergin, E. 2019, Nature, 574 <i>Meridional Flows in the Disk Around a Young Star</i>	
	10. Teague, R. , 2019, Journal of Open Source Software, 4 <i>GoFish: Fishing for Line Observations in Protoplanetary Disks</i>	
	9. Teague, R. , 2019, RNAAS, 3 <i>[non-refereed] Statistical Uncertainties in Moment Maps of Line Emission</i>	
	8. Teague, R. , 2019, Journal of Open Source Software, 4 <i>eddy: Extracting Protoplanetary Disk Dynamics with Python</i>	
	7. Teague, R. , Bae, J., Birnstiel, T. & Bergin, E., 2018, ApJ, 868 <i>Evidence For A Vertical Dependence on the Pressure Structure in AS 209</i>	
	6. Teague, R. & Foreman-Mackey, D., 2018, RNAAS, 2 <i>[non-refereed] A Robust Method to Measure Centroids of Spectral Lines</i>	
	5. Teague, R. , Henning, T., Guilloteau, S., et al., 2018, ApJ, 864 <i>Temperature, Mass, and Turbulence: A Spatially Resolved Multiband Non-LTE Analysis of CS in TW Hya</i>	
	4. Teague, R. , Bae, J., Bergin, E. A., et al., 2018, ApJL, 860 <i>A Kinematical Detection of Two Embedded Jupiter-mass Planets in HD 163296</i>	
3. Teague, R. , Semenov, D., Gorti, U., et al., 2017, ApJ, 835 <i>Surface Density Perturbations in the TW Hydrae Disk at 95 au Traced by Molecular Emission</i>		
2. Teague, R. , Guilloteau, S., Semenov, D., et al., 2016, A&A, 592 <i>Measuring turbulence in TW Hya with ALMA: methods and limitations</i>		

1. **Teague, R.**, Semenov, D., Guilloteau, S., et al., 2015, A&A, 574
Chemistry in disks. IX. Observations and modelling of HCO⁺ and DCO⁺ in DM Tauri

(CO-AUTHOR)

All papers with a substantial component of student supervision are marked.

[*under review*] Kashyap, P., Majumdar, L., Dutrey, A., et al., ApJ
Chemistry in the GG Tau A Disk: Constraints from H₂D⁺, N₂H⁺, and DCO⁺ High Angular Resolution Observations

[*under review*] Speedie, J., Dong, R., Hall, C., et al., Nature Astronomy
Kinematic Evidence for a Gravitationally Unstable Disk Around AB Aurigae

[*under review*] Sadavoy, S. I., Sheehan, P., Tobin, J. J., et al., A&A
Constraining the Stellar Masses and Origin of the Protostellar VLA 1623 System

[*under review*] Yoshida, T., Nomura, H., Furuya, K., et al., ApJ
The First Spatially-resolved Detection of ¹³CN in a PPD; Evidence for Complex Carbon Isotope Fractionation

[*under review*] Bergin, E. A., Bosman, A., **Teague, R.**, et al., ApJ
The Carbon Isotopic Ratio and Planet Formation

95. Muñoz-Romero, C. E., Öberg, K. I., Banzatti, A., et al., ApJ
JWST-MIRI Unveils Reduced and Atypically Variable Water Vapor in the AS 209 Disk

94. Law, C. J., Facchini, S., **Teague, R.** et al., ApJ, in press
Mapping the Vertical Structure of the Planet-Hosting PDS 70 Disk

93. Paneque-Carreño, T., Izquierdo, A. F., **Teague, R.**, et al., A&A, in press
High Turbulence in the IM Lup Protoplanetary Disk

92. Calcino, J., Price, D. J., Pinte, C., et al., MNRAS, 523
Observational Signatures of Circumbinary Discs — I: Kinematics

91. Ren, B. B., Benisty, M., Ginski, G., et al., A&A, 680
Protoplanetary Disks in K_s-Band Total Intensity and Polarized Light

90. Cugno, G., Zhou, Y., Thanathibodee, T., et al., AJ, 166
MagAO-X and HST high contrast imaging of the AS 209 disk at H α

89. Waggoner, A. R., Cleeves, L. I., Loomis, R. A., et al., ApJ, 956
MAPS: Constraining Serendipitous Time Variability in Protoplanetary Disk Molecular Ion Emission

88. Campbell-White, J., Manara, C. F., Benisty, M., et al., ApJ, 956
A magnetically driven disc wind in the inner disk of PDS 70

87. Fu, R. R., Steele, S. C., Simon, J. B., et al., PSJ, 4
Implications for chondrule formation regions and solar nebula magnetism from statistical reanalysis of chondrule paleomagnetism

86. Portilla-Revelo1, B., Kamp, I., Facchini, S., et al., A&A, 677
Constraining the gas distribution in the PDS 70 disk as a method to assess the effect of planet-disk interactions

85. Calcino, J., Price, D. J., Pinte, C., et al., MNRAS, 523
Observational Signatures of Circumbinary Discs I: Kinematics

84. Balsalobre-Ruza, O., de Gregorio-Monsalvo, I., Lillo-Box, I., et al., A&A, in press
Tentative co-orbital submillimeter emission within the Lagrangian point L5 of the protoplanet PDS 70 b

83. De, K., MacLeod, M., Karambelkar, V., et al., Nature, 617
An infrared transient from a star engulfing a planet

82. Lankhaar, B., **Teague, R.**, A&A, in press
3D magnetic field imaging of protoplanetary disks using Zeeman broadening and linear polarization observations

81. Galloway-Spreitsma, M., Bae, J., **Teague, R.**, et al., ApJ, 950
MAPS: Complex Kinematics in the AS 209 Disk Induced by Forming Planet and Disk Winds

80. Law, C. J., **Teague, R.**, Öberg, K., et al., ApJ, 60L
[student paper] Mapping Protoplanetary Disk Vertical Structure with CO Isotopologue Line Emission

79. Pinte, C., **Teague, R.**, Flaherty, K., et al., 2023, Protoplanets & Planets VII, in press
Kinematic Structures in Planet-Forming Disks

78. Stadler, J., Benisty, M., Izquierdo, A., et al., 2023, A&AL, 670
A kinematically-detected planet candidate in a transition disk

77. Calahan, J., Bergin, E. A., Bosman, A. D., et al., 2023, *Nature Astronomy*, 94c
UV-Driven Chemistry as a Signpost of Late-stage Planet Formation
76. Muñoz-Romero, C. E. Öberg, K. I., Law, C. J., et al., 2023 *ApJ*, 943
Cold Deuterium Fractionation in the Nearest Planet-Forming Disk
75. Alarcon, F., Bergin, E. A. & **Teague, R.**, 2022, *ApJL*, 941
A localized kinematic structure detected in atomic carbon emission spatially coincident with a proposed protoplanet in the HD 163296 disk
74. Garg, H., Pinte, C., Price, D. J., et al., 2022, *MNRAS*, 517, 4
Kinematic evidence for a planet carving the gap of HD 169142
73. Bae, J., **Teague, R.**, Andrews, S. M., et al., *ApJL*, 934
MAPS: A Circumplanetary Disk Candidate in Molecular-line Emission in the AS 209 Disk
72. Wölfer, L., Facchini, S., van der Marel, N., et al., 2022, *A&A*, in press
Kinematics and Brightness Temperature of Transition Discs
71. Law, C. J., Crystian, S., **Teague, R.**, et al., 2022, *ApJ*, 932
[student paper] CO Line Emission Surfaces and Vertical Structure in Mid-Inclination Protoplanetary Disks
70. Ilee, J. D., Walsh, C., Jennings, J., et al., 2022, *MNRAS*, in 515
Unveiling the outer dust disc of TW Hya with deep ALMA observations
69. Long, F., Andrews S. M., Rosotti, G., et al., 2022, *ApJ*, 931
Gas Disk Sizes from CO Line Observations: A Test of Angular Momentum Evolution
68. Hull, C. H. L., Haifeng Y., Cortés, P. C., et al., 2022, *ApJ*, 930
Polarization from Aligned Dust Grains in the β Pic Debris Disk
67. Bohn, A. J., Benisty, M., Perraut, K., et al., 2022, *A&A*, 658
Probing Inner and Outer Disk Misalignments in Transition Disks
66. Yu, H., **Teague, R.**, Bae, J. & Öberg, K., 2021, *ApJL*, 920
[student paper] Mapping the 3D Kinematical Structure of the Gas Disk of HD 169142
65. Öberg, K. I., Guzmán, V. V., Walsh, C., et al., 2021, *ApJS*, 257
MAPS I: Program Overview and Highlights
64. Czekala, I., Loomis, R. A., **Teague, R.**, et al., 2021, *ApJS*, 257
MAPS II: CLEAN Strategies for Synthesizing Images of Molecular Line Emission in Protoplanetary Disks
63. Law C. J., Loomis, R. A., **Teague, R.**, et al., 2021, *ApJS*, 257
[student paper] MAPS III: Characteristics of Radial Chemical Substructures
62. Law C. J., **Teague, R.**, Loomis, R. A., et al., 2021, *ApJS*, 257
[student paper] MAPS IV: Vertical Disk Chemical Structures
61. Zhang, K., Booth, A. S., Law, C. J., et al., 2021, *ApJS*, 257
MAPS V: CO Gas Distributions
60. Guzmán, V., Ö, K. I., Aikawa, Y., et al., 2021, *ApJS*, 257
MAPS VI: Distribution of the small organics HCN, C₂H and H₂CO
59. Bosman, A., Alarcon, F., Bergin, E. A., et al., 2021, *ApJS*, 257
MAPS VII: Sub-stellar O/H and C/H and Super-stellar C/O in Planet Feeding Gas
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