Jennifer C. Yee - Astrophysicist, Center for Astrophysics

Contact Information

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Education

The Ohio State University, Columbus, OH
Ph.D. Astronomy, Advisor: Prof. Andrew Gould, August 2013

Swarthmore College, Swarthmore, PA
B.A. Special Major in Astrophysics, June 2007

Fellowships and Positions

Astrophysicist at Smithsonian Astrophysical Observatory. 8/22/2016–present

***Deputy Science-PI.* Korea Microlensing Telescope Network Microlensing Science Team.** 2019–present

Sagan Fellow at Harvard University, 2013–2016

Distinguished University Fellowship, The Ohio State University, 2007–2008 and 2012–2013

Graduate Research Fellow, National Science Foundation, 2009–2012

Awards and Other Honors

NASA Group Achievement Award, NASA, 2015

Major Professional Service

***Chair.* CfA Postdoc Engagement Group.** January 2022 – present

***Member.* CfA Fellowship Selection Committee.** October 2020 – present

***Member. Roman* GBTDS Project Infrastructure Team.** 2023–present

Member. Exoplanet Archive Users Group. 2014–present

SSP CfA Postdoctoral Liaison. 2021

Member. SAO Science Interview Committee for the CfA Director Search. 2021

Member. CfA Telescope Allocation Committee. October 2018 – September 2021

Member and Group 2 Lead. WFIRST Science Investigation Team. 2016–2021

Co-organizer. CfA Exoplanet Pizza Lunch. 2014–2015

Other Professional Service

Referee. AAS Journals, A&A, MNRAS, Nature, PASP, Frontiers in Astronomy and Space Sciences.

Served on *proposal review panels* (details confidential). 2019, 2023

Member. Scientific Organizing Committee for Exoplanet Demographics. 2020

Member. Scientific Organizing Committee for The 24th International Microlensing Conference. 2019

Member. Scientific Organizing Committee for Microlensing 23. *Chair* of the SOC for the Hack Session. 2018

Guest Lecturer for Ay98. Harvard University - Department of Astronomy. 2018, 2021

Member. CfA Library Committee. September 2016–August 2019

MENTORING

***Kansuke Nunota*, Osaka University, graduate student.** 2023–present

***Hongjing Yang*, Tsinghua University, graduate student**. 2 papers directly supervised. 2020–present

***Jaiden Edelman*, Havard University, undergraduate student**. 2021–present

***Kylie Hall*, Wellesley College, undergraduate student**. Supervised undergraduate thesis. 2022–2023

***In-Gu Shin*, Smithsonian Astropysical Observatory, postdoc**, supervising analysis of KMTNet and Spitzer microlensing events. 8 papers while in residence. 2016–2019, 2021–present

***Kris Rybicki*, Weizmann Institute for Science, postdoc.** 2022–present

***Weicheng Zang*, Center for Astrophysics | Harvard & Smithsonian, CfA Fellow.** 2022–Present

Weicheng Zang, Tsinghua University, graduate student. 2 papers directly supervised. 2018–2022

Jailene Ramos and *Prabidhik KC*, Havard University, undergraduate students. Summer 2021

Noah Zunker, Havard University, undergraduate student. Supervised undergraduate thesis. 2020–2021

Shelly Tsirulik, Havard University, undergraduate student. Supervised undergraduate thesis. 2019–2020

Youn Kil Jung, Smithsonian Astropysical Observatory, postdoc, supervising analysis of KMTNet and Spitzer microlensing events. 2 papers while in residence. 2016–2018

Yutong Shan*, Harvard University, graduate student**, supervising projects on microlensing and low-mass binaries observed with MagAO, *3 papers.* ***PhD granted May 2019. 2015–2019

Samson Johnson, Harvard University, post-baccalaureate, supervising measurement of the RV of a microlensing source, 1 paper. 2015–2017

Externship Host. Swarthmore College. 2015–2018

TEACHING

Developed and taught a graduate-level course for Harvard University titled: "Exoplanet Populations: Formation, Evolution, and Observables". Spring 2023

J. C. Yee **Proposals**

Grants

PI: *Joint analysis of microlensing events observed by KMTNet & PRIME*
Source of Support: Smithsonian Institution
Total Award Amount: $60,066
Period of Performance: 01/2023–12/2023

PI: *NSF-BSF: The Frequency and Mass-Ratio Distribution of Super-Earths in KMTNet*
Source of Support: NSF
Award: $678,032.00
Period of Performance: 9/1/2021–8/31/2024

Co-I: *The Roman Galactic Exoplanet Survey Project Infrastructure TeamThe Roman Galactic Exoplanet Survey Project Infrastructure Team*
PI: B. Scott Gaudi
Source of Support: NASA
Total Award: $14,112,116
SAO Award: $129,142
Period of Performance: 10/1/2023–9/30/2028

Co-I: *The Nyx Mission to Observe the Universe from Deep Space - Enabled by EmberCore, a High Specific Power Radioisotope Electric Propulsion System*
PI: Christopher Morrison
Source of Support: NASA
NIAC 2023 Phase II

Co-I: *Preparing for the WFIRST Microlensing Survey: Simulations, Requirements, Survey Strategies, and Precursor Observations*
PI: B. Scott Gaudi
Source of Support: NASA
Total Award: $2,732,000
Period of Performance: 12/1/2015–11/30/2021

Observing Proposals

PI: *Followup of Spitzer Microlensing Events*
NOAO/Las Cumbres Observatory 1m network, 65 hours awarded. 2019B

PI: *Followup of High-Magnification Spitzer Microlensing Events*
NOAO/Las Cumbres Observatory 1m network, 20 nights awarded. 2017B

PI: *MagAO Exoplanet Survey of M-dwarfs in Nearby, Young Moving Groups*
Magellan/MagAO, 6 nights awarded. Nov 2014, May 2015, and Nov 2015

PI: *Radial Velocity Confirmation of Microlensing Models*
Magellan/MIKE, 2.25 nights awarded. May 2014 and September 2014

PI: *Adpative Optics Confirmation of Micorlens Parallax*
Magellan/MagAO, 0.25 nights awarded. April 2014

Co-I: *The Galactic Distribution of Planets via Spitzer Microlensing Parallax (#14012)*
PI: Andrew Gould; Spitzer, 350 hours awarded. July-Aug 2019

Co-I: *Galactic Distribution of Planets Spitzer Microlens Parallaxes (#13005)*
PI: Andrew Gould; Spitzer, 700 hours awarded. June-July 2017 and 2018

Co-I: *Galactic Distribution of Planets From High-Magnification Microlensing Events (#12013)*
PI: Andrew Gould; Spitzer, 100 hours awarded. June-July 2016

Co-I: *Degeneracy Breaking for K2 Microlens Parallaxes (#12015)*
PI: Andrew Gould; Spitzer, 50 hours awarded. June-July 2016

Co-I: *Spitzer Microlens Planets and Parallaxes (#11006)*

PI: Andrew Gould; Spitzer, 832 hours awarded. June-July 2015

Co-I: *Spitzer Microlens Planets and Parallaxes (#10036)*
PI: Andrew Gould; Spitzer, 100 hours DDT awarded. June-July 2014

Co-I: *Ages in the Galactic bulge: using micro-lensed dwarf stars to probe the age structure and other properties of the central sub-kpc of the Galaxy.*
PI: Sofia Feltzing; Very Large Telescope, 12 hours awarded. October 2013–March 2014

Co-I: *Properties of the Planetary System around OGLE-2008-BLG-513L*
PI: Sara Lucatello; Very Large Telescope, 3.5 hours awarded. July 2011

Invited Talks

42 Weizmann Institute for Science. Seminar. November 2022

41 Center for Astrophysics. Colloquium. December 2021

40 Legacy of the Spitzer Space Telescope Conference (Pasadena). Talk. February 2020

39 Bennington College. Seminar. April 2019

38 University of Pittsburgh. Colloquium. February 2019

37 MIT. Colloquium. February 2019

36 University of Chicago. Colloquium. November 2018

35 Space Telescope Science Institute. Colloquium. September 2018

34 Sagan Summer Workshop (Pasadena). Talk. July 2018

33 **National Academies of Sciences, Engineering, and Medicine - Committee on Exoplanet Science Strategy (Washington DC). Talk. March 2018**

32 Sagan Summer Workshop (Pasadena). Talk & Hands-On Sessions. August 2017

31 Astronomy in the 2020s (Baltimore). Talk. June 2017

30 UC Berkeley. Colloquium. April 2017

29 Microlens 21 Tutorial. Talk. February 2017

28 Harvard-Smithsonian Center for Astrophysics. Colloquium. Jan 2017

27 Hotwired 5 (Villanova). Talk. October 2016

26 Sagan Summer Workshop (Pasadena). Talk. July 2016

25 Exoplanets 1 (Davos, Switzerland). Talk. July 2016

24 The Ohio State University. Colloquium. March 2016

23 University of Notre Dame. Seminar. March 2016

22 University of Notre Dame. Colloquium. March 2016

21 University of Colorado - Boulder. Colloquium. February 2016

20 University of Toronto. Seminar. February 2016

19 Harvard-Smithsonian Center for Astrophysics. Special Seminar. February 2016

18 Carnegie Observatories. Colloquium. February 2016

17 Northwestern University. Seminar. January 2016

16 Wesleyan University. Colloquium. December 2015

15 UT Austin. BashFest Review Talk. October 2015

14 Carnegie Observatories. Colloquium. February 2015

13 Wide-Field InfraRed Surveys (Pasadena). Invited talk and panelist. November 2014

12 Penn State. CEHW Seminar. November 2014

11 Brown University. Astrophysics Seminar. October 2014

10 University of Illinois. Astronomy Colloquium. September 2014

8 Cool Stars 18 (Flagstaff). *Detecting Brown Dwarfs with Microlens Parallax.* June 2014

8 ExoPAG 10 (Boston) *Update on SAG 11.* June 2014

7 AAS (Boston) *Mass Measurements for Microlensing Planets with WFIRST/AFTA.* June 2014

6 Pontificia Universidad Catolica de Chile. Colloquium. May 2014

5 Williams College. Colloquium. March 2014

4 ExoPAG 9 (Washington DC) *SAG 11: Preparing for the WFIRST Microlensing Survey.* January 2014

3 Kenyon College. Physics Colloquium. October 2013

2 American Museum of Natural History. Colloquium. September 2011

1 2011 Sagan Exoplanet Summer Workshop: Exploring Exoplanets with Microlensing. *Science Example: Full Keplerian Parameter Extraction from Microlensing Events.* June 2011

Other Seminars

11 Center for Astrophysics. GCSP Seminar. March 2021

10 Harvard-Smithsonian Center for Astrophysics. Small Scale Seminar. January 2016

9 UC San Diego. Astrophysics Seminar. October 2014

8 Carnegie Observatories. Theory Thursday. October 2014

7 Caltech. Tea Talk. October 2014

6 UCLA. iPLEX Lunch. October 2014

5 American Museum of Natural History. Colloquium. May 2014

4 Massachusetts Institute of Technology. Lunch talk. March 2014

3 Boston University. Lunch talk. March 2014

2 UC Santa Barbara. Astrophysics Seminar. July 2012

1 Nagoya University. GCOE Seminar. March 2010

Contributed Talks

14 *A Spitzer Microlensing Test of the Gaia Parallax to NGC6544* AAS 241. January 2023

13 *OB190960/KB191591/MB19324Lb: The Smallest Microlensing Planet* CfA Exoplanet Pizza Lunch. September 2019

12 *Building community Engagement in the WFIRST Exoplanet Survey w/ Microlensing* WFIRST FSWG Meeting. May 2018

11 *2016 Spitzer Microlensing Campaign* 21st International Microlensing Conference. February 2017

10 *Microlens Parallax with Spitzer: 2 Case Studies* Sagan Symposium. May 2015

9 *Satellite Microlensing Parallax: Theory and Practice* K2 Microlensing Workshop. May 2015

8 *Radial Velocity Observations of OGLE-2009-BLG-020L* Microlensing 18. January 2014

7 *The ongoing importance of followup observations.* 1st Doha International Astronomy Conference. February 2013

6 *MOA-2011-BLG-293Lb: A Testbed for Pure Survey Microlensing Planet Detections.* 16th International Conference on Gravitational Microlensing. February 2012

5 *OGLE-2008-BLG-513: Measuring the Orbit of a Microlensing Planet.* Exploring Strange New Worlds: From Giant Planets to Super Earths. May 2011

4 *The Complete Orbital Solution for OGLE-2008-BLG-513.* Salerno Microlensing Conference 2011. January 2011

3 *The 2010 MicroFUN Season.* Salerno Microlensing Conference 2011. January 2011

2 *Modeling Orbital Motion in OGLE-2008-BLG-513/MOA-2008-BLG-401.* 14th Microlensing Workshop. January 2010

1 *OGLE-2008-BLG-279: An Extreme Magnification Event with Strong Sensitivity to Planets.* 13th Microlensing Workshop. January 2009

Public Talks

3 Amateur Observers' Socitey of New York. May 2014

2 Oakwood Friends School, Herzog Lecture (invited). May 2014

1 Williams College. Mar 2014

J.C. Yee **Publications**

First-Author Refereed Publications

12 *OGLE-2019-BLG-0960 Lb: the Smallest Microlensing Planet*
Yee, Jennifer C., Zang, Weicheng, Udalski, Andrzej, and 81 colleagues. 2021 AJ, 162, 180

11 *Two Stars Two Ways: Confirming a Microlensing Binary Lens Solution with a Spectroscopic Measurement of the Orbit*
Yee, J. C., Johnson, J. A., Skowron, J., and 5 other authors. 2016 ApJ, 821, 121

10 *Lens Masses and Distances from Microlens Parallax and Flux*
Yee, J. C. 2015 ApJL, 814, 11

9 *Criteria for Sample Selection to Maximize Planet Sensitivity and Yield from Space-Based Microlens Parallax Surveys*
Yee, J. C., Gould, A., Beichman, C. and 8 other authors. 2015 ApJ, 810, 155

8 *First Space-based Microlens Parallax Measurement of an Isolated Star: Spitzer Observations of OGLE-2014-BLG-0939*
Yee, J. C., Udalski, A., Calchi Novati, S., and 14 other authors. 2015 ApJ, 802, 76

7 *MOA-2013-BLG-220Lb: Massive Planetary Companion to Galactic-Disk Host*
Yee, J. C., Han, C., Gould, A., Skowron, J., Bond, I. A., Udalski, A., Hundertmark, M., Monard, L. A. G., Porritt, I., Nelson, P., and 63 other authors. 2014 ApJ, 790, 14

6 *WFIRST Planet Masses from Microlens Parallax*
Yee, J. C.. 2013 ApJL, 770, 31

5 *MOA-2010-BLG-311: A planetary candidate below the threshold of reliable detection*
Yee, J. C., Hung, L.-W., Bond, I. A., Allen, W., Monard, L. A. G., Albrow, M. D., Fouque, P., Dominik, M., Tsapras, Y., Udalski, A., Gould, A., Zellem, R., and 136 other authors. 2013 ApJ, 769, 77

4 *MOA-2011-BLG-293Lb: A test of pure survey microlensing planet detections*
Yee, J. C., Shvartzvald, Y., Gal-Yam, A., Bond, I. A., Udalski, A., Kozlowski, S., Han, C., Gould, A., Skowron, J., Suzuki, D., and 68 other authors. 2012 ApJ, 755, 102

3 *A Test of Pre-Main-Sequence Lithium Depletion Models*
Yee, Jennifer C. & Jensen, Eric L. N. 2010 ApJ, 711, 303

2 *Extreme Magnification Microlensing Event OGLE-2008-BLG-279: Strong Limits on Planetary Companions to the Lens Star*
J.C. Yee, A. Udalski, T. Sumi, Subo Dong, S. Kozłowski, J.C. Bird, A. Cole, D. Higgins, J. McCormick, B. Monard, D. Polishook, A. Shporer, O. Spector, the OGLE, the MicroFUN, the MOA, and the PLANET Collaborations. 2009 ApJ, 703, 2082

1 *Characterizing Long-Period Transiting Planets Observed by Kepler*
Yee, J. C. & Gaudi, B. S. 2008 ApJ, 688, 616

First-Author White Papers

5 *The Scientific Discovery Space for the Roman Galactic Bulge Time Domain Survey*
Yee, Jennifer C. and Gould, Andrew including Yee, Jennifer C. 2023 arXiv, arXiv:2306.15037

4 *The Scientific Context of WFIRST, Microlensing in the 2020s*
Yee, Jennifer and 25 co-signers. Astro2020: Decadal Survey on Astronomy and Astrophysics, science white papers, no. 384. 2019

3 *White Paper: Exoplanetary Microlensing from the Ground in the 2020s*
Yee, Jennifer C. and 27 co-signers. 2018 arXiv:1803.07921

2 *The Science Case for an Extended Spitzer Mission*
Yee, Jennifer C., Fazio, Giovanni G., Benjamin, Robert, and 45 other authors. 2017 arXiv:1710.04194

1 *NASA ExoPAG Study Analysis Group 11: Preparing for the WFIRST Microlensing Sur-*

vey
Yee, Jennifer C. and 14 coauthors. 2014 arXiv:1409.2759

Books

1 *Protostars and Planets IV: Exoplanet Detection Techniques*
Debra A. Fischer, Andrew W. Howard, Greg P. Laughlin, Bruce Macintosh, Suvrath Mahadevan, Johannes Sahlmann, **Jennifer C. Yee** (wrote Section 7: Microlensing). 2014, Arizona University Press, eds. Beuther, Klessen, Dullemond

Refereed Publications with Major Contributions

Papers with students (6 total) and postdocs (11 total) that I directly supervised are marked with * and †, respectively.

27† *Systematic KMTNet Planetary Anomaly Search. IX. Complete Sample of 2016 Prime-field Planets*
Shin, In-Gu, Yee, Jennifer C., Zang, Weicheng, and 58 colleagues including Yee, Jennifer C. 2023 AJ, 166, 104

26† *Mass Production of 2021 KMTNet Microlensing Planets. III. Analysis of Three Giant Planets*
Shin, In-Gu, Yee, Jennifer C., Gould, Andrew, and 47 colleagues including Yee, Jennifer C. 2023 AJ, 165, 8

25* *KMT-2021-BLG-0171Lb and KMT-2021-BLG-1689Lb: two microlensing planets in the KMTNet high-cadence fields with followup observations*
Yang, Hongjing, Zang, Weicheng, Gould, Andrew, and 57 colleagues including Yee, Jennifer C. 2022 MNRAS, 516, 1894

24* *OGLE-2018-BLG-0799Lb: a* $q = 2.7 \times 10^{-3}$ *planet with Spitzer parallax*
Zang, Weicheng, Shvartzvald, Yossi, Udalski, Andrzej, and 73 colleagues including **Yee, Jennifer C.** 2022 MNRAS, 514, 5952

23† *OGLE-2016-BLG-1093Lb: A Sub-Jupiter-mass Spitzer Planet Located in the Galactic Bulge*
Shin, In-Gu, **Yee, Jennifer C.**, Hwang, Kyu-Ha, and 62 colleagues. 2022 AJ, 163, 254

22† *Using Source Proper Motion to Validate Terrestrial Parallax: OGLE-2019-BLG-1058*
Shin, In-Gu, **Yee, Jennifer C.**, Hwang, Kyu-Ha, and 33 colleagues. 2021 AJ, 162, 267

21 *OGLE-2018-BLG-1185b: A Low-mass Microlensing Planet Orbiting a Low-mass Dwarf*
Kondo, Iona, **Yee, Jennifer C.**, Bennett, David P., and 96 colleagues. 2021 AJ, 162, 77

20 *KMT-2019-BLG-0371 and the Limits of Bayesian Analysis*
Kim, Yun Hak, Chung, Sun-Ju, **Yee, Jennifer C.**, and 60 colleagues. 2021 AJ, 162, 17

19† *OGLE-2007-BLG-224L: A Direct Test of Terrestrial Parallax*
Shan, Yutong, **Yee, Jennifer C.**, Bailey, Vanessa P., and 4 colleagues. 2021 ApJ, 908, 240

18† The 2L1S/1L2S Degeneracy for Two Microlensing Planet Candidates Discovered by the KMTNet Survey in 2017
Shin, I. -G.; **Yee, J. C.**; Gould, A. and 49 other authors. 2019 AJ, 158, 199

17† *Two Jupiter-mass Planets Discovered by the KMTNet Survey in 2017*
Shin, I. -G.; Ryu, Y. -H.; **Yee, J. C.** and 17 other authors. 2019 AJ, 157, 146

16* *OGLE-2014-BLG-0962 and a Comparison of Galactic Model Priors to Microlensing Data*
Shan, Yutong; **Yee, Jennifer C.**; Udalski, Andrzej and 46 other authors. 2019 ApJ, 873, 30

15 *Microlensing modeling with MulensModel*
Poleski, Radoslaw and **Yee, Jennifer**. 2019 Journal of Astronomy and Computing, 26, 35

14† *OGLE-2016-BLG-1045: A Test of Cheap Space-based Microlens Parallaxes*
Shin, I. -G.; Udalski, A.; **Yee, J. C.** and 35 other authors including Yee, J. C. 2018 ApJ,

863, 23

13 † *OGLE-2016-BLG-0168 Binary Microlensing Event: Prediction and Confirmation of the Microlens Parallax Effect from Space-based Observations*
Shin, I.-G., Udalski, A., **Yee, J. C.** and 35 other authors. 2017 AJ, 154, 176

12 * *The Multiplicity of M Dwarfs in Young Moving Groups*
Shan, Yutong, **Yee, Jennifer C.**, Bowler, Brendan P., and 12 other authors. 2017 ApJ, 846, 93

11 * *The Radial Velocity of OGLE-2015-BLG-0966S*
Johnson, Samson A. & **Yee, Jennifer C.** 2017 PASP, 128, 4401

10 † *OGLE-2016-BLG-1003: First Resolved Caustic-crossing Binary-source Event Discovered by Second-generation Microlensing Surveys*
Jung, Y. K., Udalski, A., Bond, I. A., **Yee, J. C.** and 54 other authors. 2017 ApJ, 841, 75

9 *An Earth-mass Planet in a 1 au Orbit around an Ultracool Dwarf*
Shvartzvald, Y., **Yee, J. C.**, Calchi Novati, S., and 24 other authors. 2017 ApJ, 840, 3

8 * *Measuring the Galactic Distribution of Transiting Planets with WFIRST*
Montet, Benjamin T., **Yee, Jennifer C.**, Penny, Matthew T. 2017 PASP, 129, 044401

7 † *Binary Source Microlensing Event OGLE-2016-BLG-0733: Interpretation of a Long-term Asymmetric Perturbation*
Jung, Y. K., Udalski, A., **Yee, J. C.**, and 55 other authors. 2017 AJ, 153, 129

6 *The second multiple-planet system discovered by microlensing: OGLE-2012-BLG-0026Lb, c, a pair of jovian planets beyond the snow line*
Han, C., Udalski, A., Choi, J.-Y., **Yee, J. C.** and 32 other authors. 2013 ApJL, 762, 28

5 *Microlens Masses from Astrometry and Parallax in Space-based Surveys: From Planets to Black Holes*
Gould, A. and **Yee, J. C.** 2014 ApJ, 784, 64

4 *Microlens Surveys are a Powerful Probe of Asteroids*
Gould, A. and **Yee, J. C.** 2013 ApJ, 767, 42

3 *Microlens Terrestrial Parallax Mass Measurements: A Rare Probe of Isolated Brown Dwarfs and Free-Floating Planets*
Gould, A. and **Yee, J. C.** 2013 ApJ, 764, 107

2 *MOA-2010-BLG-523: "Failed Planet" = RS CVn Star*
Gould, A., **Yee, J. C.**, Bond, I. A., Udalski, A., Han, C., Jorgensen, U. G., Greenhill, J., Tsapras, Y., Pinsonneault, M. H., Bensby, T., and 109 other authors. 2013 ApJ, 763, 141

1 *Cheap Space-Based Microlens Parallaxes for High-Magnification Events*
Gould, A. and **Yee, J. C.** 2012 ApJL, 755, 73

Other Refereed Publications

184 *KMT-2021-BLG-1547Lb: Giant microlensing planet detected through a signal deformed by source binarity*
Han, Cheongho, Zang, Weicheng, Jung, Youn Kil, and 52 colleagues including Yee, Jennifer C. 2023 arXiv, arXiv:2309.01280

183 *Systematic KMTNet Planetary Anomaly Search. X. Complete Sample of 2017 Prime-Field Planets*
Ryu, Yoon-Hyun, Udalski, Andrzej, Yee, Jennifer C., and 38 colleagues including Yee, Jennifer C. 2023 arXiv, arXiv:2307.13359

182 *Brown dwarf companions in binaries detected from the 2021 season high-cadence microlensing surveys*
Han, Cheongho, Jung, Youn Kil, Bond, Ian A., and 45 colleagues including Yee, Jennifer C. 2023 arXiv, arXiv:2307.04921

181 *Mass Production of 2021 KMTNet Microlensing Planets I*

Ryu, Yoon-Hyun, Jung, Youn Kil, Yang, Hongjing, and 18 colleagues including Yee, Jennifer C. 2022 arXiv, arXiv:2202.03022

180 *OGLE-2016-BLG-1195 AO: Lens, Companion to Lens or Source, or None of the Above?*
Gould, Andrew, Shvartzvald, Yossi, Zhang, Jiyuan, and 4 colleagues including Yee, Jennifer C. 2023 AJ, 166, 145

179 *OGLE-2019-BLG-0825: Constraints on the Source System and Effect on Binary-lens Parameters Arising from a Five-day Xallarap Effect in a Candidate Planetary Microlensing Event*
Satoh, Yuki K., Koshimoto, Naoki, Bennett, David P., and 90 colleagues including Yee, Jennifer C. 2023 AJ, 166, 116

178 *KMT-2022-BLG-2397: Brown Dwarf at the Upper Shore of the Einstein Desert*
Gould, Andrew, Ryu, Yoon-Hyun, Yee, Jennifer C., and 18 colleagues including Yee, Jennifer C. 2023 AJ, 166, 100

177 *KMT-2022-BLG-0475Lb and KMT-2022-BLG-1480Lb: Microlensing ice giants detected via the non-caustic-crossing channel*
Han, Cheongho, Lee, Chung-Uk, Bond, Ian A., and 49 colleagues including Yee, Jennifer C. 2023 A&A, 676, A97

176 *KMT-2022-BLG-0440Lb: A new* $q < 10^{-4}$ *microlensing planet with the central-resonant caustic degeneracy broken*
Zhang, Jiyuan, Zang, Weicheng, Jung, Youn Kil, and 58 colleagues including Yee, Jennifer C. 2023 MNRAS, 522, 6055

175 *Probable brown dwarf companions detected in binary microlensing events during the 2018-2020 seasons of the KMTNet survey*
Han, Cheongho, Kil Jung, Youn, Kim, Doeon, and 48 colleagues including Yee, Jennifer C. 2023 A&A, 675, A71

174 *KMT-2021-BLG-1150Lb: Microlensing planet detected through a densely covered planetary-caustic signal*
Han, Cheongho, Jung, Youn Kil, Bond, Ian A., and 49 colleagues including Yee, Jennifer C. 2023 A&A, 675, A36

173 *Systematic KMTNet Planetary Anomaly Search. VIII. Complete Sample of 2019 Subprime Field Planets*
Jung, Youn Kil, Zang, Weicheng, Wang, Hanyue, and 43 colleagues including Yee, Jennifer C. 2023 AJ, 165, 226

172 *KMT-2021-BLG-2010Lb, KMT-2022-BLG-0371Lb, and KMT-2022-BLG-1013Lb: Three microlensing planets detected via partially covered signals*
Han, Cheongho, Lee, Chung-Uk, Zang, Weicheng, and 25 colleagues including Yee, Jennifer C. 2023 A&A, 674, A90

171 *MOA-2022-BLG-249Lb: Nearby microlensing super-Earth planet detected from high-cadence surveys*
Han, Cheongho, Gould, Andrew, Jung, Youn Kil, and 51 colleagues including Yee, Jennifer C. 2023 A&A, 674, A89

170 *Kepler K2 Campaign 9 - II. First space-based discovery of an exoplanet using microlensing*
Specht, D., Poleski, R., Penny, M. T., and 83 colleagues including Yee, Jennifer C. 2023 MNRAS, 520, 6350

169 *MOA-2020-BLG-208Lb: Cool Sub-Saturn-mass Planet within Predicted Desert*
Olmschenk, Greg, Bennett, David P., Bond, Ian A., and 78 colleagues including Yee, Jennifer C. 2023 AJ, 165, 175

168 *KMT-2021-BLG-1122L: The first microlensing triple stellar system*
Han, Cheongho, Jung, Youn Kil, Gould, Andrew, and 19 colleagues including Yee, Jennifer

C. 2023 A&A, 672, A8

167 *Systematic KMTNet Planetary Anomaly Search. VII. Complete Sample of $q < 10^{-4}$ Planets from the First 4 yr Survey*
Zang, Weicheng, Jung, Youn Kil, Yang, Hongjing, and 39 colleagues including Yee, Jennifer C. 2023 AJ, 165, 103

166 *Mass Production of 2021 KMTNet Microlensing Planets II*
Ryu, Yoon-Hyun, Shin, In-Gu, Yang, Hongjing, and 17 colleagues including Yee, Jennifer C. 2023 AJ, 165, 83

165 *OGLE-2018-BLG-0584 and KMT-2018-BLG-2119: Two microlensing events with two lens masses and two source stars*
Han, Cheongho, Udalski, Andrzej, Jung, Youn Kil, and 34 colleagues including Yee, Jennifer C. 2023 A&A, 670, A172

164 *Systematic KMTNet Planetary Anomaly Search. VI. Complete Sample of 2018 Subprime-field Planets*
Jung, Youn Kil, Zang, Weicheng, Han, Cheongho, and 31 colleagues including Yee, Jennifer C. 2022 AJ, 164, 262

163 *Mass Production of 2021 KMTNet Microlensing Planets. I*
Ryu, Yoon-Hyun, Kil Jung, Youn, Yang, Hongjing, and 17 colleagues including Yee, Jennifer C. 2022 AJ, 164, 180

162 *Brown dwarf companions in microlensing binaries detected during the 2016-2018 seasons*
Han, Cheongho, Ryu, Yoon-Hyun, Shin, In-Gu, and 60 colleagues including Yee, Jennifer C. 2022 A&A, 667, A64

161 *OGLE-2019-BLG-1470LABc: Another microlensing giant planet in a binary system?*
Kuang, Renkun, Zang, Weicheng, Jung, Youn Kil, and 36 colleagues including Yee, Jennifer C. 2022 MNRAS, 516, 1704

160 *Free-Floating Planets, the Einstein Desert, and 'OUMUAMUA*
Gould, Andrew, Jung, Youn Kil, Hwang, Kyu-Ha, and 18 colleagues including Yee, Jennifer C. 2022 JKAS, 55, 173

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