

# Leslie Hebb

Professor of Physics and Director of the Perkin Observatory  
Hobart and William Smith Colleges

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## Research Interests

Fundamental properties of stars and planets  
Formation and evolution of planetary systems  
Rotation and magnetic activity on low mass stars

## Education

Ph.D., Astrophysics, THE JOHNS HOPKINS UNIVERSITY (2006)  
Advisor: Professor Rosemary F. G. Wyse  
*Photometric Monitoring of Open Clusters: The M dwarf Mass-Luminosity-Radius Relation*  
M.S., Astrophysics THE JOHNS HOPKINS UNIVERSITY (2002)  
B.S., Electrical Engineering, magna cum laude, UNIVERSITY OF DENVER (1996)

## Appointments & Competitive Internships

Professor (July 2025 - Present) at HOBART & WILLIAM SMITH COLLEGES  
Director, Perkin Observatory (2016 - Present) at HOBART & WILLIAM SMITH COLLEGES  
Adjunct Associate Professor (2020 - 2025) at CORNELL UNIVERSITY  
Visiting Scientist (September 2019 - August 2020) at CORNELL UNIVERSITY  
Associate Professor (July 2019 - 2025) at HOBART & WILLIAM SMITH COLLEGES  
Visiting Scientist (June 2016 - August 2016) at EUROPEAN SOUTHERN OBSERVATORY  
Assistant Professor (July 2013 - 2019) at HOBART & WILLIAM SMITH COLLEGES  
Visiting Scientist (August 2012 - June 2013) at UNIVERSITY OF WASHINGTON  
Visiting Scientist (July 2012) at UNIVERSITY OF GRENOBLE  
Visiting Scientist (May – June 2012) at UNIVERSITY OF ST ANDREWS  
Research Assistant Professor (2011 – 2012) at VANDERBILT UNIVERSITY  
Postdoctoral Research Associate (2009 – 2011) at VANDERBILT UNIVERSITY  
Postdoctoral Research Assistant (2006 – 2009) at UNIVERSITY OF ST ANDREWS  
Graduate Student Research Assistant (2001 – 2006) at THE JOHNS HOPKINS UNIVERSITY  
Graduate Student Teaching Assistant (1998 – 2004) at THE JOHNS HOPKINS UNIVERSITY  
Student at Computing Our Universe Summer School (1999) at  
UNIVERSITY OF MASSACHUSETTS, AMHERST  
Summer Student Fellow (1998) at SPACE TELESCOPE SCIENCE INSTITUTE  
Intern with International Association for the Exchange of Technical Students (1996-1997) at  
RESEARCH INSTITUTE FOR DANISH ELECTRIC UTILITIES  
Summer Student Fellow (1995) at WOODS HOLE OCEANOGRAPHIC INSTITUTION

## Grants

- LSST-Discovery Alliance Expansion Partnership Program, Co-PI, \$24,000 (2024-)  
*with the University of Washington*
- NASA JWST Guest Observer Program Cycle 3, Co-I, \$20,674 (2024)  
*Shining a Spot-light on the Atmosphere of a Giant Planet around a Cool Star*
- NSF-2331555 Enabling Partnerships to Increase Innovation Capacity, PI, \$399,596 (2024-)  
*Collaborative Research: EPIIC: EmpowerEd – Building the Future Workforce Together*
- NASA TESS Guest Observer Program Cycle 3, PI, \$25,000 (2020)  
*Using TESS to measure the dynamical evolution of a young close binary in a triple system*
- NSF-1909682 Astronomy & Astrophysics Grant, PI, \$91,034 (2019-2023)  
*Collaborative Research: Confirming and Characterizing Transiting Exoplanets around Bright Stars with Ultra-precise Ground-based Photometry*
- Scialog Collaborative Innovation Award from Research Corporation, \$25,000 (2016)  
*Transformational Technologies and Techniques for High Precision Photometric and Spectroscopic Stellar Time Domain Astrophysics*
- NSF-1312453 Astronomy & Astrophysics Grant, PI, \$128,754 (2013 – 2016)  
*Collaborative Research: Mapping small and large scale magnetic fields on low mass stars*
- NSF-1109612 Astronomy & Astrophysics Grant, Co-I, \$363,000 (2011 – 2014)  
*Triangulating on the Ages of Stars: Using Open Clusters to Calibrate Stellar Chronometers*
- NSF-1009810 Astronomy & Astrophysics Grant, PI, \$354,000 (2010 – 2014)  
*Bringing eclipsing binary stars to the next level of benchmark precision*

## Courses Taught

- Introductory Physics II & Laboratory* , (PHYS 160) HOBART & WILLIAM SMITH
- Observational Astronomy*, (PHYS 225) HOBART & WILLIAM SMITH
- Astrophysics*, (PHYS 310) HOBART & WILLIAM SMITH
- Mathematical Foundations of Data Analytics*, (DATA 127), HOBART & WILLIAM SMITH
- Probability and Modeling for Data Analytics*, (DATA 271) HOBART & WILLIAM SMITH
- Astrobiology*, (PHYS 115) HOBART & WILLIAM SMITH
- Suns & Planets*, (PHYS 113) HOBART & WILLIAM SMITH
- Stars, Galaxies & Cosmology*, (PHYS 114) HOBART & WILLIAM SMITH
- Discovering in Mathematics*, (MATH 110) HOBART & WILLIAM SMITH
- Ancient Engineering and Technology (Study Abroad in Greece)*, HOBART & WILLIAM SMITH
- Dreamers and Stargazers: Astronomy and Literature (Study Abroad in Chile)*,  
HOBART & WILLIAM SMITH
- The Art of Being a Scientist: A Guide for Graduate Students & Mentors*, Co-instructor,  
VANDERBILT UNIVERSITY
- Exoplanets (Graduate)*, Co-Instructor, VANDERBILT UNIVERSITY
- Exoplanets (Undergraduate)*, Co-Lecturer, UNIVERSITY OF ST ANDREWS
- Galactic Dynamics (Graduate)*, Teaching Assistant, JOHNS HOPKINS UNIVERSITY

## Students Advised or Co-advised

### PhD Research Students (Co-Advised)

Maria Schutte (University of Oklahoma, PhD 2023)  
Brett Morris (University of Washington, PhD 2019)  
James Davenport (University of Washington, PhD 2015)

### Undergraduate Honors Thesis Students

Biruk Nardos (2025), Misty Chien (2023), Kaitlin Crabtree (2022), Oliver Dewey (2022), Max Brodheim (2020), Michelle Gomez (2016), Woody Austin (2012), Rebecca Rattray (2011), Colin Simpson (2009), John Ilee (2009), Amy Cowan (2007)

### Undergraduate Summer Students

Biruk Nardos (2022,2024), Jake Romney (2024), Vuthy Vey (2022), Kate Crabtree (2020), Max Jackson (2020), Magdy Gad (2017), Jonas Toupal (2017), Ben Chen (2017), Avery Wickersham (2017) Shivam Tewari (2015), Betty Vasquez (2014), Anthony Paat (2012), Tarik Haj-Khalil (2012), Rebekah Price (2012), Alexander Richert (2010), Heather Cegla (2009), Emily Ramsden (2008), John Rostron (2007)

## Observing Experience (Selected successful proposals)

Co-I, JWST, 12 hrs, (2024)

*Shining a Spot-light on the Atmosphere of a Giant Planet around a Cool Star*

PI, 2m-FTN + MuSCAT3 (optical camera), 10 hrs, (2021)

*Measuring the temperature of individual starspots using multi-band in-transit photometry*

PI, TESS, 2 min cadence, (2020)

*Using TESS to Measure the Dynamical Evolution of a Young Binary in a Triple System*

PI, 8m-Gemini-S + IGRINS (NIR spectrograph), 3.9h (2019)

*Measuring masses of the unequal mass pre-main sequence eclipsing binary, MML 48*

PI, 0.9m-CTIO + Camera (optical camera), 14n, (2019)

*Multi-band light curves of the newly discovered pre-main sequence eclipsing binary, MML 48*

Co-I (Science-PI), 3.6m-CFHT + ESPaDOnS (optical spectropolarimeter), 16h (2011)

*Understanding the M dwarf Radius Discrepancy at the Fundamental Level:*

*Magnetic Field Mapping of Two M dwarf Eclipsing Binaries*

PI, 10m-Keck II + NIRSPEC (NIR spectrograph), 3n (2011)

*Precise Calibration of Stellar Evolution Models in the Mdwarf Regime*

PI, 8m-Gemini-N + GNIRS (NIR spectrograph), 4.9n (2011)

*Defining the Mdwarf mass-radius relation as a function of activity & metallicity: RV Curves*

Co-I, 3.6m-NTT + SOFI (NIR camera), 9n (2011)

*Calibrating the Mdwarf mass-radius-temperature relation:*

*NIR light curves of eclipsing M dwarfs*

PI, 4m-KPNO + Echelle (optical spectrograph), 6n (2010 – 2011)

*Defining the Mdwarf Mass-Radius relation as a function of activity & metallicity:*

*Stellar Characterization*

PI, 0.9m-CTIO + Camera (optical camera), 14n, (2009 – 2011)  
*Defining the M dwarf mass-radius relation as a function of activity & metallicity:  
 Light curves of eclipsing M dwarfs*

Co-I, 8m-VLT + HAWK-I (NIR imager), (2009 – 2010)  
*Studying the atmosphere of extrasolar planets with the VLT:  
 HAWK-I occultation photometry for highly irradiated transiting planets*

Co-I, (Science-PI), 8m-VLT + UVES (optical spectrograph), 3h (2009)  
*Fundamental properties of a new, 15-Myr young and low-mass eclipsing binary system*

PI, 1m-CTIO + Y4kCam (optical camera), 49n (TAC Rank 10/10), (2005 – 2006)  
*Photometric Monitoring of AU Mic: Searching for Planetary Transits*

## **Outreach Activities** (selected activities)

Year of the Sun and Total Solar Eclipse Party Coordinator Geneva, NY (2023-2024)  
 STEAM Action Committee for Geneva 2030 Geneva, NY (2019-Present)  
 Science Night Presenter in K-12 school district Geneva, NY (2019-2025)  
 Stomp-rocket Activity for 2nd grade visit to Hobart and William Smith (2019,2024,2025)  
 Careers at NASA Activity for 9th grade visit to Hobart and William Smith (2023)  
 Hearts of Space Coloring Wellness event K-12 school district Geneva, NY (2023)  
 Director and Astronomy Expert for public astronomy nights, Perkin Observatory  
 HOBART & WILLIAM SMITH (2016-Present)  
 Solar Eclipse Viewing for the community of Geneva, NY (2017)  
 Lunar Eclipse Observing Night in Geneva, NY (2014)  
 Astronomy on Tap event in collaboration with Rochester Institute of Technology (2015)  
 Astronomy on Tap event for Interstellar Movie (2014)  
 Solar system activity for pre-school visit to HWS (2014)  
 Solar system lesson, Geneva General Childcare (2013)  
 Demonstrator for the St Andrews Exoplanets exhibit, Edinburgh Science Festival (2009)  
 Astronomy Expert for the public observing night, Museum of St Andrews (2009)  
 Observer and Astronomy Expert for public astronomy nights, James Gregory Telescope,  
 UNIVERSITY OF ST ANDREWS (2006-2009)  
 Inflatable Planetarium Demonstrator at local elementary schools in Fife, Scotland (2008)  
 Women in Physics Group Organizer, Johns Hopkins University (1999 – 2003)  
 ‘Space Expert’, Lanacane Itching to Know Science Contest (1999)

## **Honors & Awards**

Civically Engaged Faculty Member of the Year, Hobart and William Smith Colleges (2024)  
 Laurel Society Excellence in Mentorship, Hobart and William Smith Colleges (2021)  
 Research Corporation’s Time Domain Astrophysics Scialog Fellow (2014-2019)  
 ARCS Foundation Scholarship (2003)  
 ZONTA International Amelia Earhart Fellow (2001)

Graduate Student Teaching Award, JOHNS HOPKINS PHYSICS & ASTRONOMY DEPT. (2000)  
Winner, *Future of NASA Essay Contest*, MARYLAND SPACE GRANT CONSORTIUM (1999)  
Phi Beta Kappa Honor Society (1996 – Present)  
University of Denver Outstanding Senior Woman (1996)  
Society of Women Engineers/Hewlett-Packard Scholarship (1995)  
Cibrowski Foundation Scholarship (1995)  
IBM Scholars Program (1994)

## **Professional Service & Memberships**

Member, American Astronomical Society  
Las Cumbres Observatory Network Telescope Allocation Committee 2014-2018, 2020, 2023  
Member, NASA's Exoplanet Exploration Program Study Analysis Group (SAG) 21 on "The Effect of Stellar Contamination on Space-based Transmission Spectroscopy"  
NASA Review Panel 2014, 2015, 2016, 2017, 2018, 2022  
NSF Astronomy & Astrophysics Review Panel 2017, 2019  
Member, Cool Stars 19 Scientific Organizing Committee  
Member, Cool Stars 17 Scientific Organizing Committee  
Referee, Astrophysical Journal

## Refereed Publications

1. Gupta, A.; Millholland, S.; Im, H.; Dong, J.; and the Diffuser Collaboration including **Hebb, L.**; ‘*A hot-Jupiter progenitor on a super-eccentric retrograde orbit*’ 2024, *Nature*, 632, 8023
2. Schutte, M.; **Hebb, L.**; Wisniewski, J.; and the Diffuser Collaboration; ‘*Measuring the Temperature of Starspots from Multi-filter Photometry*’ 2023, *AJ*, 166, 92
3. Libby-Roberts, J.; Schutte, M.; **Hebb, L.**; Kanodia, S.; and the Diffuser Collaboration; ‘*An In-depth Look at TOI-3884b: A Super-Neptune Transiting an M4 Dwarf with Persistent Starspot Crossings*’ 2023, *AJ*, 165, 249
4. Canas, C.; Kanodia, S.; Bender, C.; Mahadevan, S.; Stefansson, G.; Cochran, W.; Lin, A.; and the Diffuser Collaboration including **Hebb, L.**; ‘*TOI-3714 b and TOI-3629 b: Two Gas Giants Transiting M Dwarfs Confirmed with the Habitable-zone Planet Finder and NEID*’ 2022, *AJ*, 164, 50
5. Schutte, M.; **Hebb, L.**; Lowry, S.; Wisniewski, J.; and the Diffuser Collaboration; ‘*Modeling Stellar Surface Features on a Subgiant Star with an M-dwarf Companion*’ 2022, *AJ*, 164, 14
6. Stefansson, G.; Mahadevan, S.; Petrovich, C.; Winn, J. N.; Kanodia, S.; Millholland, S. C.; Maney, M.; Canas, C.; and the Diffuser Collaboration including **Hebb, L.**; ‘*The Warm Neptune GJ 3470b Has a Polar Orbit*’ 2022, *ApJ*, 931, 15
7. Beard, C.; Robertson, P.; Kanodia, S.; Libby-Roberts, J.; Canas, C.; Gupta, A.; Holcomb, R.; and the Diffuser Collaboration including **Hebb, L.**; ‘*TOI-1696 and TOI-2136: Constraining the Masses of Two Mini-Neptunes with the Habitable-Zone Planet Finder*’ 2021, *AJ*, 163, 286
8. Vissapragada, S.; Stefansson, G.; Greklek-McKeon, M.; Oklopčic, A.; Knutson, H.; Ninan, J.; Mahadevan, S.; Canas, C.; Chachan, Y.; Cochran, W.; Collins, K.; Dai, F.; David, T.; Halverson, S.; Hawley, S.; **Hebb, L.**; and the Diffuser Collaboration; ‘*A Search for Planetary Metastable Helium Absorption in the V1298 Tau System*’ 2021, *AJ*, 162, 222
9. Kanodia, S.; Stefansson, G.; Canas, C.; Maney, M.; Lin, A.; Ninan, J.; and the Diffuser Collaboration including **Hebb, L.**; ‘*TOI-532b: The Habitable-zone Planet Finder confirms a Large Super Neptune in the Neptune Desert orbiting a metal-rich M-dwarf host*’ 2021, *AJ*, 162, 135
10. Stefansson, G.; Kopparapu, R.; Mahadevan, S.; Canas, C.; Kanodia, S.; Ninan, J.; Cochran, W.; Endl, M.; **Hebb, L.**; and the Diffuser Collaboration; ‘*A Mini-Neptune and a Radius Valley Planet Orbiting the Nearby M2 Dwarf TOI-1266 in Its Venus Zone: Validation with the Habitable-zone Planet Finder*’ 2020, *AJ*, 160, 259
11. Stefansson, G.; Mahadevan, S.; Maney, M.; Ninan, J. P.; Robertson, P.; Rajagopal, J.; Haase, F.; and the Diffuser Collaboration; ‘*The Habitable Zone Planet Finder Reveals a High Mass and Low Obliquity for the Young Neptune K2-25b*’ 2020, *ApJ*, 160, 192
12. Kanodia, S.; Canas, C. I.; Stefansson, G.; Ninan, J. P.; **Hebb, L.**; and the Diffuser Collaboration; ‘*TOI-1728b: The Habitable-zone Planet Finder Confirms a Warm Super-Neptune Orbiting an M-dwarf Host*’ 2020, *ApJ*, 899, 29
13. Mahadevan, S.; Bender, C. F.; Hambleton, K.; Fleming, S. W.; Deshpande, R.; Conroy, K.; Matijevic, G.; **Hebb, L.**; Roy, A.; Ak, H.; Leban, B.; and Prsa, A.; ‘*The SDSS-HET Survey of Kepler Eclipsing Binaries. Description of the Survey and First Results*’ 2019, *ApJ*, 884, 126
14. Wisniewski, J.; Kowalski, A. F.; Davenport, J. R. A.; Schneider, G.; Grady, C. A.; **Hebb, L.**; and et al.; ‘*High-fidelity Imaging of the Inner AU Mic Debris Disk: Evidence of Differential Wind Sculpting?*’ 2019, *ApJ*, 883, 8
15. Gill, S.; Maxted, P. F. L.; Evans, J. A.; Evans, D. F.; Southworth, J.; Smalley, B.; Gary, B. L.; Anderson, D. R.; Bouchy, F.; Cameron, A. C.; Dominik, M.; Faedi, F.; Gillon, M.; Gomez Maqueo Chew, Y.; **Hebb, L.**; and the SuperWASP Collaboration; ‘*The EBLM project. VI. Mass and radius of five low mass stars in F+M binaries discovered by the WASP survey*’ 2019, *A&A*, 626, 119

16. von Boetticher, A.; and the EBLM and SuperWASP Collaborations; ‘*The EBLM project. V. Physical properties of ten fully convective, very-low-mass stars*’ 2019, A&A, 625, 150
17. Morris, B.; Davenport, J. R. A.; Giles, H. C.; **Hebb, L.**; Hawley, S. L.; Angus, R.; Gilman, P. A.; and Agol, E.; ‘*The solar benchmark: rotational modulation of the Sun reconstructed from archival sunspot records*’ 2019, MNRAS, 484, 3244
18. Gomez Maqueo Chew, Y.; **Hebb, L.**; Stempels, H. C.; Paat, A.; Stassun, K. G.; Faedi, F.; Street, R. A.; Rohn, G.; Hellier, C.; and Anderson, D. R. ‘*Fundamental properties of the pre-main sequence eclipsing stars of MML 53 and the mass of the tertiary*’ 2019, A&A, 623, 23
19. Stefansson, G.; Li, Y.; Mahadevan, S.; Wisniewski, J.; **Hebb, L.**; Morris, B.; Huehnerhoff, J.; and Hawley, S.; ‘*Diffuser-assisted Photometric Follow-up Observations of the Neptune-sized Planets K2-28b and K2-100b*’ 2018, AJ, 156, 266
20. Morris, B.; Agol, E.; **Hebb, L.**; and Hawley, S. L.; ‘*Robust Transiting Exoplanet Radii in the Presence of Starspots from Ingress and Egress Durations*’ 2019, AJ, 156, 91
21. Morris, B.; Agol, E.; **Hebb, L.**; Hawley, S. L.; Gillon, M.; Ducrot, E.; Delrez, L.; Ingalls, J.; and Demory, B.; ‘*Non-detection of Contamination by Stellar Activity in the Spitzer Transit Light Curves of TRAPPIST-1*’ 2018, ApJ, 863, 32
22. Weiss, L. M.; Marcy, G. W.; Petigura, E. A.; Fulton, B. J.; Howard, A. W.; Winn, J. N.; Isaacson, H. T.; Morton, T. D.; Hirsch, L. A.; Sinukoff, E. J.; Cumming, A.; **Hebb, L.**; and Cargile, P.; ‘*The California-Kepler Survey. V. Peas in a Pod: Planets in a Kepler Multi-planet System Are Similar in Size and Regularly Spaced*’ 2017, AJ, 155, 48
23. Hill, C. A.; Smith, R. C.; **Hebb, L.**; Szkody, P.; ‘*Roche tomography of cataclysmic variables - VIII. The irradiated and spotted dwarf nova, SS Cygni*’ 2017, MNRAS, 472, 2937
24. Triaud, A. H. M. J.; Martin, D. V.; Segransan, D.; Smalley, B.; Maxted, P. F. L.; Anderson, D. A.; Bouchy, F.; Collier Cameron, A.; Faedi, F.; Gillon, M.; Gomez Maqueo Chew, Y.; **Hebb, L.**; and the SuperWASP Collaboration; ‘*The EBLM project. IV. Spectroscopic orbits of over 100 eclipsing M dwarfs masquerading as transiting hot Jupiters*’ 2017, A&A, 608, 129
25. Morris, B. M.; Hawley, S. L.; **Hebb, L.**; Sakari, C.; Davenport, J. R. A.; Isaacson, H.; Howard, A. W.; Montet, B. T.; Agol, E.; ‘*Chromospheric Activity of HAT-P-11: An Unusually Active Planet-hosting K Star*’ 2017, ApJ, 848, 58
26. Stefansson, G.; Mahadevan, S.; **Hebb, L.**; Wisniewski, J.; Huehnerhoff, J.; Morris, B.; Halverson, S.; Zhao, M.; Wright, J.; and Orouke, J.; ‘*Toward Space-like Photometric Precision from the Ground with Beam-shaping Diffusers*’ 2017, ApJ, 848, 9
27. Morris, B. M.; **Hebb, L.**; Davenport, J. R. A.; Rohn, G.; and Hawley, S. L.; ‘*The Starspots of HAT-P-11: Evidence for a Solar-like Dynamo*’ 2017, ApJ, 846, 99
28. Fulton, B. J.; Petigura, E. A.; Howard, A. W.; Isaacson, H.; Marcy, G. W.; Cargile, P.; **Hebb, L.**; Weiss, L. M.; Johnson, J. A.; and Morton, T. D.; ‘*The California-Kepler Survey. III. A Gap in the Radius Distribution of Small Planets*’ 2017, AJ, 154, 109
29. Johnson, J. A.; Petigura, E. A.; Fulton, B. J.; Marcy, G. W.; Howard, A. W.; Isaacson, H.; **Hebb, L.**; Cargile, P.; Morton, T. D.; and Weiss, L. M.; ‘*The California-Kepler Survey. II. Precise Physical Properties of 2025 Kepler Planets and Their Host Stars*’ 2017, AJ, 154, 108
30. Petigura, E. A.; Howard, A. W.; Marcy, G. W.; Johnson, J. A.; Isaacson, H.; Cargile, P.; **Hebb, L.**; Fulton, B. J.; Weiss, L. M.; and Morton, T. D.; ‘*The California-Kepler Survey. I. High-resolution Spectroscopy of 1305 Stars Hosting Kepler Transiting Planets*’ 2017, AJ, 154, 60
31. Winn, J. N.; Sanchis-Ojeda, R.; Rogers, L.; Petigura, E. A.; Howard, A. W.; Isaacson, H.; Marcy, G. W.; Schlafman, K. C.; Cargile, P.; and **Hebb, L.**; ‘*Absence of a Metallicity Effect for Ultra-short-period Planets*’ 2017, AJ, 154, 107

32. von Boetticher, A.; Triaud, A. H. M. J.; Queloz, D.; Gill, S.; Lendl, M.; Delrez, L.; Anderson, D. A.; Collier Cameron, A.; Faedi, F.; Gillon, M.; Gomez Maqueo Chew, Y.; **Hebb, L.**; and the SuperWASP Collaboration; ‘*The EBLM project. III. A Saturn-size low-mass star at the hydrogen-burning limit*’ 2017, A&A, 604, 6
33. Rebull, L. M.; Stauffer, J. R.; Hillenbrand, L. A.; Cody, A. M.; Bouvier, J.; Soderblom, D. R.; Pinsonneault, M.; and **Hebb, L.**; ‘*Rotation of Late-type Stars in Praesepe with K2*’ 2017, ApJ, 839, 92
34. Mack, C. E. III; Stassun, K. G.; Schuler, S. C.; **Hebb, L.**; Pepper, J. A.; ‘*Detailed Abundances of Planet-hosting Wide Binaries. II. HD80606+HD80607*’ 2016, ApJ, 818, 54
35. Davenport, J. R. A.; **Hebb, L.**; Hawley, S. L.; ‘*Detecting Differential Rotation and Starspot Evolution on the M Dwarf GJ 1243 with Kepler*’ 2015, ApJ, 806, 212
36. Paegert, M.; Stassun, K. G.; De Lee, N.; Pepper, J.; Fleming, S. W.; Sivarani, T.; Mahadevan, S.; Mack, C. E.; Dhital, S.; **Hebb, L.**, Ge, J.; ‘*Target Selection for the SDSS-III MARVELS Survey*’ 2015, ApJ, 149, 186
37. Lurie, J. C.; Davenport, J. R. A.; Hawley, S. L.; Wilkinson, T. D.; Wisniewski, J. P.; Kowalski, A. F.; **Hebb, L.**; ‘*Kepler Flares III: Stellar Activity on GJ 1245A and B*’ 2015, ApJ, 800, 95
38. Loebman, S. R.; Wisniewski, J. P.; Schmidt, S. J.; Kowalski, A. F.; Barry, R. K.; Bjorkman, K. S.; Hammel, H. B.; Hawley, S. L.; **Hebb, L.**; Kasliwal, M. M.; ‘*The Continued Optical to Mid-Infrared Evolution of V838 Monocerotis*’ 2015, ApJ, 149, 17
39. Davenport, J. R. A.; Hawley, S. L.; **Hebb, L.**; Wisniewski, J. P.; Kowalski, A. F.; Johnson, E. C.; Malatesta, M.; Peraza, J.; Keil, M.; Silverberg, S. M.; ‘*Kepler Flares. II. The Temporal Morphology of White-light Flares on GJ 1243*’ 2014, ApJ, 797, 122
40. Hawley, S. L.; Davenport, J. R. A.; Kowalski, A. F.; Wisniewski, J. P.; **Hebb, L.**; Deitrick, R.; Hilton, E. J.; ‘*Kepler Flares. I. Active and Inactive M Dwarfs*’ 2014, ApJ, 797, 121
41. Gomez Maqueo Chew, Y.; Morales, J. C.; Faedi, F.; Garcia-Melendo, E.; **Hebb, L.**; Rodler, F.; Deshpande, R.; Mahadevan, S.; McCormac, J.; Barnes, R.; ‘*The EBLM project. II. A very hot, low-mass M dwarf in an eccentric and long-period, eclipsing binary system from the SuperWASP Survey*’ 2014, A&A, 572, 50
42. Chaturvedi, P.; Deshpande, R.; Dixit, V.; Roy, A.; Chakraborty, A.; Mahadevan, S.; Anandaram, B. G.; **Hebb, L.**; Janardhan, P.; ‘*Determination of mass and orbital parameters of a low-mass star HD 213597B*’ 2014, MNRAS, 442, 3737
43. Dawson, R. I.; Johnson, J. A.; Fabrycky, D. C.; Foreman-Mackey, D.; Murray-Clay, R. A.; Buchhave, L. A.; Cargile, P. A.; Clubb, K. I.; Fulton, B. J.; **Hebb, L.**; ‘*Large Eccentricity, Low Mutual Inclination: The Three-dimensional Architecture of a Hierarchical System of Giant Planets*’ 2014, ApJ, 791, 89
44. Faedi, F.; Staley, T.; Gomez Maqueo Chew, Y.; Pollacco, D.; Dhital, S.; Barros, S. C. C.; Skillen, I.; **Hebb, L.**; Mackay, C.; Watson, C. A.; ‘*Lucky imaging of transiting planet host stars with LuckyCam*’ 2013, MNRAS, 433, 2097
45. Gomez Maqueo Chew, Y.; Faedi, F.; Cargile, P.; Doyle, A. P.; Ghezzi, L.; Sousa, S.; Barros, S. C. C.; **Hebb, L.**; Cunha, K.; Schuler, S. C.; ‘*The Homogeneous Study of Transiting Systems (HoSTS). I. The Pilot Study of WASP-13*’ 2013, ApJ, 768, 79
46. Morin, J.; Jardine, M. M.; Reiners, A.; Shulyak, D.; Beeck, B.; Hallinan, G.; **Hebb, L.**; Hussain, G.; Jeffers, S. V.; Kochukhov, O.; ‘*Multiple views of Magnetism in cool stars*’ 2013, Astronomische Nachrichten, 334, 48
47. Triaud, A. H. M. J.; **Hebb, L.**; Anderson, D. R.; Cargile, P.; Collier Cameron, A.; Doyle, A. P.; Faedi, F.; Gillon, M.; Gomez Maqueo Chew, Y.; and the SuperWASP collaboration ‘*The EBLM Project I-Physical and orbital parameters, including spin-orbit angles, of two low-mass eclipsing binaries on opposite sides of the Brown Dwarf limit*’ 2013, A&A, 549, 18

48. Siverd, R. J.; Betty, T. G.; Pepper, J.; Eastman, J. D.; and the KELT Team including **Hebb, L.**; ‘*KELT-1b: A Strongly Irradiated, Highly Inflated, Short Period, 27 Jupiter-mass Companion Transiting a Mid-F Star*’ 2012, ApJ, 761, 123
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