Dr. Tabetha Boyajian

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PROFESSIONAL EXPERIENCE

Yale University, Department of Astronomy, New Haven, Connecticut, USA
Postdoctoral Fellow — 2012 – present
- Supervisor: Dr. Debra Fischer

Center for high Angular Resolution Astronomy (CHARA), Georgia State University
Hubble Fellow — 2009 – 2012
- Supervisor: Dr. Harold McAlister

EDUCATION

Georgia State University, Department of Physics and Astronomy, Atlanta, Georgia, USA

Doctor of Philosophy (Ph.D.) in Astronomy — 2005 – 2009
- Adviser: Dr. Harold McAlister

Master of Science (M.S.) in Physics — 2003 – 2005
- Adviser: Dr. Douglas Gies

College of Charleston, Charleston, South Carolina, USA
Bachelor of Science (B.S.) in Physics with concentration in astronomy — 1998 – 2003
- Graduated with Departmental Honors

PROFESSIONAL SERVICE

Secretary, International Astronomical Union, Division G — 2015 – 2018

Steering Committee, International Astronomical Union, Division G — 2015 – 2018

Review panel member
NASA Kepler Guest Observer program, NASA K2 Guest Observer program, NSF-AAG program

Referee
The Astronomical Journal, Astronomy & Astrophysics, PASA

Telescope time allocation committee member
CHARA, OPTICON (external)

AREAS OF SPECIALIZATION AND INTEREST

Fundamental properties of stars: diameters, temperatures, exoplanet detection and characterization, Optical/IR interferometry, stellar spectroscopy (radial velocities, abundances, activity), absolute spectrophotometry, binary stars, astrometry, stellar ages and evolution, stellar activity and rotation, asteroseismology

INVITED TALKS

COLLOQUIA

University of Chile (Calán)	2015
University of Rochester, NY	2015
Columbia University, NY	2014
Rutgers University, NJ	2014
Penn State University, PA	2014
Yale University, CT	2014
American Museum of Natural History, NY	2014
University of California Santa Cruz, CA	2013
University of Montreal, QC	2013
Wesleyan University, CT	2013
Dartmouth College, NH	2013
Harvard Center for Astrophysics, MA	2013
Stony Brook University, NY	2013
Villanova University, PA	2013

CONFERENCES

Connecticut Planet Picnic (invited)	2013, 2014, 2015
CHARA Collaborators Meeting (invited)	2009, 2011, 2012, 2013, 2015
Towards Other Earths II, Porto, Portugal (invited plenary)	2014
Cool Stars 18, Flagstaff, AZ (contributed plenary)	2014
Cool Stars 17, Barcelona, Spain (contributed plenary)	2012
Cool Stars 16, Seattle, WA (invited splinter)	2010
Setting a New Standard in the Analysis of Binary Stars, Leuven, Belgium (invited)	2013
Hubble Fellow Symposium, STScI (invited)	2010, 2011, 2012
Georgia Regional Astronomers Meeting (invited)	2008, 2009, 2010

STUDENTS ADVISED

Farris Gillman — Yale class of 2013
Modeling Spectroscopic Eclipsing Binaries

Alyssa Picard — Yale class of 2014
Heartbeat stars in the Kepler field
Modeling very long period transiting planet candidates in the Kepler field

Cory Combs — Yale class of 2014
Transit modeling of habitable zone planets in the Kepler field

Miranda Kephart — Yale class of 2015
Empirical bolometric corrections for main-sequence stars
spectroscopic eclipsing binaries in the Kepler field

Aryeh Brill — Yale class of 2015
Microlensing systems from the Kepler data archive

Charles Margossian — Yale class of 2015
Stellar rotation periods and ages and transit modeling of super (sized) Jupiter planets from the Kepler mission

Theodore Papalexopoulos — Yale class of 2015
Search for Trojan planets in Kepler archive data

Brooke Lamell — Yale class of 2016
Absolute stellar properties of retired A-stars with CHARA

Jack Lubin — Vanderbilt class of 2016
Evolutionary modeling of low-mass stars with precise stellar properties measured with interferometry

Pratik Gandhi — Yale class of 2018
Cataloging eclipsing binaries in the K2 mission

Arthur Adams — Yale graduate student 2015
Empirical color relations for low-mass stars

TEACHING AND OUTREACH

Research Mentor, Yale Exoplanet Group, Yale University — 2012 – present
Develop and advise research projects for undergraduate and graduate students

Planet Hunters science team member, Yale Exoplanet Group, Yale University — 2012 – present
(*Non-technical program elements*) Interact with PH project volunteers and the public, blog about discoveries, work with developers to provide the most productive user interface

Astronomy Forum: Exploring our space in space — Nov 2015
Panel member and speaker. Attendance $\sim$ 700, approximately half were CT high school students.
http://www.southernct.edu/special/astronomyforum.html
http://m.ctpost.com/news/article/Mystery-star-an-alien-power-source-6636716.php

Reddit.com Ask Me Anything — Nov 2015
Discovery of KIC 8462852 (a.k.a. Tabby's star), the mysterious star that has become a favorite SETI target.
https://www.reddit.com/r/IAmA/comments/3set9l/we_are_some_of_the_astrophysicists_and_planet/

Reddit.com Ask Me Anything Jul 2015
Planet Hunters
https://www.reddit.com/r/science/comments/3ebavu/science_ama_series_were_the_planet_hunters_team/

Judge, various city and state-wide science fairs and Science Olympiad competitions 2003 – present
Georgia and Connecticut

Visiting guest for science education 2011 – present
Demonstrations, hands-on activities, reading, and open Q&A sessions at local summer camps, after school programs, and preschool and elementary school classrooms

Teaching Assistant, Introductory Astronomy Laboratory, Georgia State University 2003 – 2008
Lectured and demonstrated new techniques, graded laboratory assignments.

Hosting public observing nights at central campus locations. 2003 – 2008
Includes training beginner observers to use small telescopes.

Recipient, Outstanding Graduate Assistant Teaching Award, Georgia State University 2008

Teaching Assistant, Introductory Astronomy Laboratory, College of Charleston 2000 – 2003
Demonstrated laboratory techniques and assisted students in laboratory routines.

Tutor in Mathematics, Physics, and Astronomy 2000 – present

PUBLICATIONS

STATS AS OF DECEMBER 1, 2015 (FROM GOOGLE SCHOLAR)

H-index = 21; Number of first (or second) author papers = 15(22); Total citations = 1317*

REFEREED JOURNALS

53) S. R. Kane, R. A. Wittenmyer, N. R. Hinkel, A. Roy, S. Mahadevan, D. Dragomir, J. M. Matthews, G. W. Henry, A. Chakraborty, **T. S. Boyajian**, J. T. Wright, D. R. Ciardi, D. A. Fischer, R. P. Butler, C. G. Tinney, B. D. Carter, H. R. A. Jones, J. Bailey, S. J. O'Toole "Evidence for Reflected Light from the Most Eccentric Exoplanet Known", *Submitted to The Astrophysical Journal*, Dec 2015, (arXiv:1511.08679)

52) M. Ansdell, E. Gaidos, S. A. Rappaport, T. L. Jacobs, D. M. LaCourse, K. J. Jek, A. W. Mann, M. C. Wyatt, G. Kennedy, J. P. Williams, **T. S. Boyajian** "Young M Dwarf "Dipper" Stars in Upper Sco and ρ Oph Observed by K2", *Accepted for publication in The Astrophysical Journal*, Oct 2015, (arXiv:1510.08853)

51) Natalie R. Hinkel, Stephen R. Kane, Genady Pilyavsky, **Tabetha S. Boyajian**, David J. James, Dominique Naef, Debra A. Fischer, Stephane Udry "A New Analysis of the Exoplanet Hosting System HD 6434", *Accepted for publication in The Astronomical Journal*, Oct 2015, (arXiv:1510.01746)

50) **Boyajian, T. S.**; LaCourse, D. M.; Rappaport, S. A.; Fabrycky, D.; Fischer, D. A.; Gandolfi, D.; Kennedy, G. M.; Liu, M. C.; Moor, A.; Olah, K.; Vida, K.; Wyatt, M. C.; Best, W. M. J.; Ciesla, F.; Csak, B.; Dupuy, T. J.; Handler, G.; Heng, K.; Korhonen, H.; Kovacs, J. Kozakis, T.; Kriskovics, L.; Schmitt, J. R.; Szabo, Gy.; Szabo, R.; Wang, J.; Goodman, S.; Hoekstra, A.; Jek, K. J. "Planet Hunters X. KIC 8462852 – Where's the Flux?", *Submitted to the Monthly Notices of the Royal Astronomical Society*, Sep 2015, (arXiv:1509.03622)

49) J. Jones, R. J. White, **T. Boyajian**, G. Schaefer, E. Baines, M. Ireland, J. Patience, T. ten Brummelaar, H. McAlister, S. T. Ridgway, J. Sturmann, L. Sturmann, N. Turner, C. Farrington, P. J. Goldfinger "The Ages of A-Stars I: Interferometric Observations and Age Estimates for Stars in the Ursa Major Moving Group", 2015, *The Astrophysical Journal*, 813, 58

*https://scholar.google.com/citations?user=HGFWFJAAAAAJ&hl=en&authuser=1

48) Daryll M. LaCourse, Kian J. Jek, Thomas L. Jacobs, Troy Winarski, **Tabetha S. Boyajian,** Saul A. Rappaport, Roberto Sanchis-Ojeda, Kyle E. Conroy, Lorne Nelson, Tom Barclay, Debra A. Fischer, Joseph R. Schmitt, Ji Wang, Andrej Prsa, Keivan G. Stassun, Joshua Pepper, Jeffrey L. Coughlin, Avi Shporer "Kepler Eclipsing Binary Stars. VI. Identification of Eclipsing Binaries in the K2 Campaign 0 Data-set", 2015 *Monthly Notices of the Royal Astronomical Society*, 452, 3561†

47) Hinkel, Natalie R.; Kane, Stephen R.; Henry, Gregory W.; Feng, Ying; **Boyajian, Tabetha;** Wright, Jason; Fischer, Debra A.; Howard, Andrew; Isaacson, Howard "Refined ephemeris and transit exclusion of the HD 130322 planetary system", 2015 *The Astrophysical Journal*, 803, 8

46) Kane, Stephen R.; **Boyajian, Tabetha S.;** Henry, Gregory W.; Feng, Y. Katherina; Hinkel, Natalie R.; Fischer, Debra A.; von Braun, Kaspar; Howard, Andrew W.; Wright, Jason T. "A comprehensive characterization of the 70 Virginis planetary system", 2015 *The Astrophysical Journal*, 806, 60

45) Noel D. Richardson, Anthony F. J. Moffat, Raphaël Maltais-Tariant, Herbert Pablo, Douglas R. Gies, Hideyuki Saio, Nicole St-Louis, Gail Schaefer, Anatoly S. Miroshnichenko, Chris Farrington, Emily J. Aldoretta, Étienne Artigau, **Tabetha S. Boyajian**, Kathryn Gordon, Jeremy Jones, Rachel Matson, Harold A. McAlister, David O'Brien, Deepak Raghavan, Tahina Ramiaramanantsoa, Stephen T. Ridgway, Nic Scott, Judit Sturmann, Laszlo Sturmann, Theo ten Brummelaar, Joshua D. Thomas, Nils Turner, Norm Vargas, Sergey Zharikov, Jaymie Matthews, Chris Cameron, David Guenther, Rainer Kuschnig, Jason Rowe, Slavek Rucinski, Dimitar Sasselov, and Werner Weiss "Spectroscopy, MOST Photometry, and Interferometry of MWC 314: Is it an LBV or an interacting binary?", *Accepted for publication in the Monthly Notices of the Royal Astronomical Society*, Sep 2015 (arXiv:1510.00324)

44) Mann, Andrew W.; Feiden, Gregory A.; Gaidos, Eric; **Boyajian, Tabetha;** von Braun, Kaspar "How to Cons-Train your M Dwarf: Measuring Effective Temperature, Bolometric Luminosity, Mass, and Radius", 2015, *The Astrophysical Journal*, 804, 64

43) Schaefer, G. H.; Brummelaar, T. Ten; Gies, D. R.; Farrington, C. D.; Kloppenborg, B.; Chesneau, O.; Monnier, J. D.; Ridgway, S. T.; Scott, N.; Tallon-Bosc, I.; McAlister, H. A.; **Boyajian, T.;** Maestro, V.; Mourard, D.; Meilland, A.; Nardetto, N.; Stee, P.; Sturmann, J.; Vargas, N.; Baron, F.; Ireland, M.; Baines, E. K.; Che, X.; Jones, J.; Richardson, N. D.; Roettenbacher, R. M.; Sturmann, L.; Turner, N. H.; Tuthill, P.; van Belle, G.; von Braun, K.; Zavala, R. T.; Banerjee, D. P. K.; Ashok, N. M.; Joshi, V.; Becker, J.; Muirhead, P. S. "Imaging the Expanding Fireball of Nova Delphini 2013", 2014, *Nature*, 515, 234

42) **Boyajian, Tabetha;** von Braun, Kaspar; Feiden, Gregory A.; Huber, Daniel; Basu, Sarbani; Demarque, Pierre; Fischer, Debra A.; Schaefer, Gail; Mann, Andrew W.; White, Timothy R.; Maestro, Vicente; Brewer, John; Lamell, C. Brooke; Spada, Federico; López-Morales, Mercedes; Ireland, Michael; Farrington, Chris; van Belle, Gerard T.; Kane, Stephen R.; Jones, Jeremy; ten Brummelaar, Theo A.; Ciardi, David R.; McAlister, Harold A.; Ridgway, Stephen; Goldfinger, P. J.; Turner, Nils H.; Sturmann, Laszlo "Stellar Diameters and Temperatures VI. High angular resolution measurements of the transiting exoplanet host stars HD 189733 and HD 209458 and implications for models of cool dwarfs", 2015, *Monthly Notices of the Royal Astronomical Society*, 447, 850

41) Tanner, Angelle; **Boyajian, Tabetha S.;** von Braun, Kaspar; Kane, Stephen; Brewer, John M.; Farrington, Chris; van Belle, Gerard T.; Beichman, Charles A.; Fischer, Debra; ten Brummelaar, Theo A.; McAlister, Harold A.; Schaefer, Gail "Stellar Parameters for HD 69830, a Nearby Star with Three Neptune Mass Planets and an Asteroid Belt", 2015, *The Astrophysical Journal*, 800, 115

40) Conroy, Kyle E.; Prša, Andrej; Stassun, Keivan G.; Bloemen, Steven; Parvizi, Mahmoud; Quarles, Billy; **Boyajian, Tabetha;** Barclay, Thomas; Shporer, Avi; Latham, David W.; Abdul-Masih, Michael "Kepler Eclipsing Binary Stars. V. Identification of 31 Eclipsing Binaries in the K2 Engineering Data-set", 2014, *Publications of the Astronomical Society of the Pacific*, 126, 914

†The four lead authors are Citizen Scientists.

39) Creevey, O.; Thévenin, F.; Berio, P.; Heiter, U.; von Braun, K.; Mourard, D.; Bigot, L.; **Boyajian, T. S.;** Kervella, P.; Morel, P.; Pichon, B.; Chiavassa, A.; Nardetto, N.; Perraut, K.; Meilland, A.; Mc Alister, H. A.; ten Brummelaar, T. A.; Sturmann, C. Farrington. J.; Sturmann, L.; Turner, N. "Benchmark stars for Gaia: fundamental properties of the Population II star HD 140283 from interferometric, spectroscopic and photometric data", 2015, *Astronomy and Astrophysics*, 575, 26

38) Howard, Andrew W.; Marcy, Geoffrey W.; Fischer, Debra A.; Isaacson, Howard; Muirhead, Philip S.; Henry, Gregory W.; **Boyajian, Tabetha S.;** von Braun, Kaspar; Becker, Juliette C.; Wright, Jason T.; Johnson, John Asher "The NASA-UC Eta-Earth Program: IV. A Low-Mass Planet Orbiting and M Dwarf 3.6 pc from Earth", 2014, *The Astrophysical Journal*, 794, 51

37) Johnson, John Asher; Huber, Daniel; **Boyajian, Tabetha;** Brewer, John M.; White, Timothy R.; von Braun, Kaspar; Maestro, Vicente; Stello, Dennis; Barclay, Thomas "The Physical Parameters of the Retired A Star HD 185351", 2014, *The Astrophysical Journal*, 794, 15

36) von Braun, Kaspar; **Boyajian, Tabetha S.;** van Belle, Gerard T.; Kane, Stephen R.; Jones, Jeremy; Farrington, Chris; Schaefer, Gail; Vargas, Norm; Scott, Nic; ten Brummelaar, Theo A.; Kephart, Miranda; Gies, Douglas R.; Ciardi, David R.; Lopez-Morales, Mercedes; Mazingue, Cassidy; McAlister, Harold A.; Ridgway, Stephen; Goldfinger, P. J.; Turner, Nils H.; Sturmann, Laszlo "Stellar Diameters and Temperatures V. Eleven Newly Characterized Exoplanet Host Stars", 2014, *Monthly Notices of the Royal Astronomical Society*, 438, 2413

35) **Boyajian, Tabetha S.;** van Belle, Gerard; von Braun, Kaspar "Stellar Diameters and Temperatures IV. Predicting Stellar Angular Diameters", 2014, *The Astronomical Journal*, 147, 47

34) Schmitt, J. R.; Wang, J; Fischer, D. A.; Jek, K. J.; Moriarty, J. C.; **Boyajian, T. S.;** Schwamb, M. E.; Lintott, C.; Smith, A. M.; Parrish, M.; Schawinski, K.; Lynn, S.; Simpson, R.; Omohundro, M.; Winarski, T.; Goodman, S. J.; Jebson, T.; Lacourse, D. "Planet Hunters VI: The First Kepler Seven Planet Candidate System and 13 Other Planet Candidates from the Kepler Archival Data", 2014, *The Astrophysical Journal*, 148, 28

33) Gamen, R.; Barba, R.; Morrell, N. I.; Arias, J. I.; Ferrero, G.; **Boyajian, T. S.;** McSwain, M. V.; Fullerton, A. W.; Maiz Apellaniz, J.; Walborn, N. R.; Sota, A.; Alfaro, E. J. "The spectroscopic orbit of HD 54662 revisited", *Submitted to Monthly Notices of the Royal Astronomical Society*, Dec 2013

32) Gies, Douglas R.; Guo, Zhao; Howell, Steve B.; Still, Martin D.; **Boyajian, Tabetha S.;** Hoekstra, Abe J.; Jek, Kian J.; LaCourse, Daryll; Winarski, Troy "KIC 9406652: An Unusual Cataclysmic Variable in the Kepler Field of View", 2013, *The Astrophysical Journal*, 775, 64

31) **Boyajian, Tabetha S.,** von Braun, Kaspar, van Belle, Gerard, Farrington, Chris, Schaefer, Gail, Jones, Jeremy, White, Russel, McAlister, Harold A., ten Brummelaar, Theo A., Ridgway, Stephen, Gies, Douglas, Sturmann, Laszlo, Sturmann, Judit, Turner, Nils H., Goldfinger, P. J. "Stellar Diameters and Temperatures III. Additional high-precision measurements and empirical relations", 2013, *The Astrophysical Journal*, 771, 40

30) White, T. R., Huber, D., Maestro, V., Bedding, T. R., Ireland, M. J., Baron, F., **Boyajian, T. S.;** Che, X., Monnier, J. D., Pope, B. J. S., Roettenbacher, R. M., Stello, D., Tuthill, P. G.; Farrington, C. D., Goldfinger, P. J., McAlister, H. A., Schaefer, G. H., Sturmann, J., Sturmann, L., ten Brummelaar, T. A., Turner, N. H. "Interferometric radii of bright Kepler stars with the CHARA Array: θ Cygni and 16 Cygni A and B", 2013, *Monthly Notices of the Royal Astronomical Society*, 433, 1262

29) Wang, Ji, Fischer, Debra A., Barclay, Thomas, **Boyajian, Tabetha S.,** Crepp, Justin R., Schwamb, Megan E., Lintott, Chris, Jek, Kian J., Smith, Arfon M., Parrish, Michael, Schawinski, Kevin, Schmitt, Joseph, Giguere, Matthew J., Brewer, John M., Lynn, Stuart, Simpson, Robert, Hoekstra, Abe J., Jacobs, Thomas Lee, LaCourse, Daryll, Schwengeler, Hans Martin, Chopin, Mike "Planet Hunters. V. A Confirmed Jupiter-Size Planet in the Habitable Zone and 42 Planet Candidates from the Kepler Archive Data", 2013, *The Astrophysical Journal*, 778, 84

28) Gregory W. Henry, Stephen R. Kane, Xuesong Wang, Jason T. Wright, **Tabetha S. Boyajian,** Kaspar von Braun, David R. Ciardi, Diana Dragomir, Chris Farrington, Debra A. Fischer, Natalie R. Hinkel, Andrew W. Howard, Eric Jensen, Gregory Laughlin, Suvrath Mahadevan, Genady Pilyavsky "Host Star Properties and Transit Exclusion for the HD 38529 Planetary System", 2013, *The Astrophysical Journal*, 768, 155

27) Philip S. Muirhead, Andrew Vanderburg, Avi Shporer, Juliette Becker, Jon Swift, James P. Lloyd, Jim Fuller, Ming Zhao, Sasha Hinkley, J. Sebastian Pineda, Michael Bottom, Andrew Howard, Kaspar von Braun, **Tabetha S. Boyajian,** Nicholas Law, Christoph Baranec, Reed Riddle, Shriharsh P. Tendulkar, Rich Dekany, Khanh Bui, A. N. Ramaprakash, Mahesh Burse, Hillol Das, Sujit Punnadi, Pravin Chordia, John Asher Johnson "Characterizing the Cool KOIs V. KOI-256: A Mutally Eclipsing Post-Common Envelope Binary", 2013, *The Astrophysical Journal*, 767, 111

26) Baines, Ellyn K., White, Russel J., Huber, Daniel, Jones, Jeremy, **Boyajian, Tabetha,** McAlister, Harold A., ten Brummelaar, Theo A., Turner, Nils H., Sturmann, Judit, Sturmann, Laszlo, Goldfinger, P. J., Farrington, Christopher D., Riedel, Adric R., Ireland, Michael, von Braun, Kaspar, Ridgway, Stephen T. "The CHARA Array Angular Diameter of HR 8799 Favors Planetary Masses for its Imaged Companions", 2012, *The Astrophysical Journal*, 761, 57

25) **Boyajian, Tabetha S.,** von Braun, Kaspar, van Belle, Gerard, McAlister, Harold A., ten Brummelaar, Theo A., Kane, Stephen R., Muirhead, Philip S., Jones, Jeremy, White, Russel, Schaefer, Gail, Ciardi, David, Henry, Todd, López-Morales, Mercedes, Ridgway, Stephen, Gies, Douglas, Jao, Wei-Chun, Rojas-Ayala, Bárbara, Parks, J. Robert, Sturmann, Laszlo, Sturmann, Judit, Turner, Nils H., Farrington, Chris, Goldfinger, P. J., Berger, David H. "Stellar Diameters and Temperatures II. Main Sequence K & M Stars", 2012, *The Astrophysical Journal*, 757, 112

24) Creevey, O. L., Thévenin, F., **Boyajian, T. S.,** Kervella, P., Chiavassa, A., Bigot, L., Mérand, A., Heiter, U., Morel, P., Pichon, B., Mc Alister, H. A., ten Brummelaar, T. A., Collet, R., van Belle, G. T., Coudé du Foresto, V., Farrington, C., Goldfinger, P. J., Sturmann, J., Sturmann, L., Turner, N. "Fundamental properties of the Population II fiducial stars HD 122563 and Gmb 1830 from CHARA interferometric observations", 2012, *Astronomy and Astrophysics*, 545, 17

23) Ligi, R., Mourard, D., Lagrange, A. M., Perraut, K., **Boyajian, T.,** Bério, Ph., Nardetto, N., Tallon-Bosc, I., McAlister, H., ten Brummelaar, T., Ridgway, S., Sturmann, J., Sturmann, L., Turner, N., Farrington, C., Goldfinger, P. J. "A new interferometric study of four exoplanet host stars: θ Cygni, 14 Andromedae, υ Andromedae and 42 Draconis", 2012, *Astronomy and Astrophysics*, 545, 5

22) von Braun, Kaspar, **Boyajian, Tabetha S.,** Kane, Stephen R., Hebb, Leslie, van Belle, Gerard T., Farrington, Chris, Ciardi, David R., Knutson, Heather A., ten Brummelaar, Theo A., López-Morales, Mercedes, McAlister, Harold A., Schaefer, Gail, Ridgway, Stephen, Collier Cameron, Andrew, Goldfinger, P. J., Turner, Nils H., Sturmann, Laszlo, Sturmann, Judit "The GJ 436 System: Directly Determined Astrophysical Parameters of an M-Dwarf and Implications for the Transiting Hot Neptune", 2012, *The Astrophysical Journal*, 753, 171

21) Crepp, Justin R., Johnson, John Asher, Fischer, Debra A., Howard, Andrew W., Marcy, Geoffrey W., Wright, Jason T., Isaacson, Howard, **Boyajian, Tabetha,** von Braun, Kaspar, Hillenbrand, Lynne A., Hinkley, Sasha, Carpenter, John M., Brewer, John M. "The Dynamical Mass and Three-Dimensional Orbit of HR7672B: A Bench-Mark Brown Dwarf with High Eccentricity", 2012, *The Astrophysical Journal*, 751, 97

20) Johnson, John Asher, Gazak, J. Zachary, Apps, Kevin, Muirhead, Philip S., Crepp, Justin R., Crossfield, Ian J. M., **Boyajian, Tabetha,** von Braun, Kaspar, Rojas-Ayala, Barbara, Howard, Andrew W., Covey, Kevin R., Schlawin, Everett, Hamren, Katherine, Morton, Timothy D., Marcy, Geoffrey W., Lloyd, James P. "Characterizing the Cool KOIs. II. The M Dwarf KOI-254 and Its Hot Jupiter", 2012, *The Astronomical Journal*, 143, 111

19) **Boyajian, Tabetha S.,** McAlister, Harold A., van Belle, Gerard, Gies, Douglas R., ten Brummelaar, Theo A., von Braun, Kaspar, Farrington, Chris, Goldfinger, P.J., O'Brien, David, Parks, J. Robert, Richardson, Noel D., Ridgway, Stephen, Schaefer, Gail, Sturmann, Laszlo, Sturmann, Judit, Touhami, Yamina, Turner, Nils H., White, Russel "Stellar Diameters and Temperatures. I. Main-sequence A, F, and G Stars", 2012, *The Astrophysical Journal*, 746, 101

18) von Braun, Kaspar, **Boyajian Tabetha, S.,** ten Brummelaar, Theo A., Kane, Stephen R., van Belle, Gerard T., Ciardi, David R., Raymond, Sean N., López-Morales, Mercedes, McAlister, Harold A., Schaefer, Gail, Ridgway, Stephen T., Sturmann, Laszlo, Sturmann, Judit, White, Russel, Turner, Nils H., Farrington, Chris, Goldfinger, P. J. "55 Cancri: Stellar Astrophysical Parameters, a Planet in the Habitable Zone, and Implications for the Radius of a Transiting Super-Earth", 2011, *The Astrophysical Journal*, 740, 49

17) Chesneau, O., Meilland, A., Banerjee, D. P. K., Le Bouquin, J.-B., McAlister, H., Millour, F., Ridgway, S. T., Spang, A., Ten Brummelaar, T., Wittkowski, M., Ashok, N. M., Benisty, M., Berger, J.-P., **Boyajian, T.,** and 9 coauthors "The 2011 outburst of the recurrent nova T Pyxidis. Evidence for a face-on bipolar ejection", 2011, *Astronomy and Astrophysics*, 534, 11

16) Bigot, L., Mourard, D., Berio, P., Thévenin, F., Ligi, R., Tallon-Bosc, I., Chesneau, O., Delaa, O., Nardetto, N., Perraut, K., Stee, Ph., **Boyajian, T.,** and 12 coauthors "The diameter of the CoRoT target HD49933. Combining 3D limb darkening, asteroseismology, and interferometry", 2011, *Astronomy and Astrophysics*, 534, 3

15) von Braun, Kaspar, **Boyajian, Tabetha S.,** Kane, Stephen R., van Belle, Gerard T., Ciardi, David R., López-Morales, Mercedes, McAlister, Harold A., Henry, Todd J., Jao, Wei-Chun, Riedel, Adric R., and 11 coauthors "Astrophysical Parameters and Habitable Zone of the Exoplanet Hosting Star GJ 581", 2011, *The Astrophysical Journal Letters*, 729, 26

14) O'Brien, David P., McAlister, Harold A., Raghavan, Deepak, **Boyajian, Tabetha S.,** ten Brummelaar, Theo A., Sturmann, Judit, Sturmann, Laszlo, Turner, Nils H., Ridgway, Stephen "Inner Orbits in Hierarchical Triple Systems from the CHARA Array. I. V819 Her B", 2011, *The Astrophysical Journal*, 728, 111

13) Touhami, Y., Richardson, N. D., Gies, D. R., Schaefer, G. H., **Boyajian, T. S.,** Williams, S. J., Grundstrom, E. D., McSwain, M. V., Clemens, D. P., Taylor, B. "Spectral Energy Distributions of Be and Other Massive Stars", 2010, *The Publications of the Astronomical Society of the Pacific*, 122, 379

12) McSwain, M. V., De Becker, M., Roberts, M. S. E., **Boyajian, T. S.,** Gies, D.R., Grundstrom, E. D., Aragona, C., Marsh, A. N., Roettenbacher, R. M. "Multiwavelength Observations of the Runaway Binary HD 15137", 2009, *The Astronomical Journal*, 139, 857

11) **Boyajian, T. S.,** McAlister, H. A., Cantrell, J. R., Gies, D. R., ten Brummelaar, T. A., Farrington, C., Goldfinger, P. J., Sturmann, L., Sturmann, J., Turner, N. H., Ridgway, S. "Angular Diameters of Hyades Giants with the CHARA Array", 2009, *The Astrophysical Journal*, 691, 1243

10) Aragona, C., McSwain, M. V., Grundstrom, E. D., Marsh, A. N., Roettenbacher, R. M., Hessler, K. M., **Boyajian, T. S.,** Ray, P. S. "The Orbits of the γ-Ray Binaries LS I +61 303 and LS 5039", 2009, *The Astrophysical Journal*, 698, 514

9) Raghavan, D., McAlister, H. A., Torres, G., Latham, D. W., Mason, B. D., **Boyajian, T. S.,** Baines, E. K., Williams, S. J., ten Brummelaar, T. A., Farrington, C. D., Ridgway, S. T., Sturmann, L., Sturmann, J., Turner, N. H. "The Visual Orbit of the 1.1-day Spectroscopic Binary σ2 Coronae Borealis from Interferometry at the CHARA Array", 2009, *The Astrophysical Journal*, 690, 394

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CONFERENCES

An exhaustive list of conference proceedings is not included here. Please visit the ADS website for information on non-refereed publications.

OBSERVING EXPERIENCE

Interferometry
- $>$ 100 nights at the CHARA Array

Spectroscopy
- $\sim$ 14 nights at KPNO coudé feed
- $\sim$ 6 nights at KPNO 2.1m
- $\sim$ 4 nights at Keck 1 / HIRES
- $\sim$ 24 nights at WIYN / Hydra

AWARDS

NASA Exoplanet Exploration (XRP) 2016 – 2019
PI, $349 K, pending

Hubble Space Telescope Cycle 22 (GO-13776) 2015 – 2018
Co-I, 450 orbits, $33 K

NASA Exoplanet Exploration (XRP) 2015 – 2016
PI, $81 K

K2 guest observer (Cycle 1) 2015
PI, $14 K

K2 guest observer (Cycle 2) 2015
PI, $12 K

K2 guest observer (Cycle 3) 2015
PI, $24 K

Yale postdoc travel grant 2014
Yale Office for Graduate Studies
$1,000

AAS international travel grant 2014
American Astronomical Society
$1,500

AAS international travel grant 2015
American Astronomical Society
$1,500

Recipient, Hubble Postdoctoral Fellowship 2009 – 2012
$318,870

Recipient, Outstanding Advanced Graduate Student Research Award Apr 2008
GSU College of Arts and Sciences Honors Program
$500

Recipient, Outstanding Graduate Assistant Teaching Award Apr 2006
GSU Center for Teaching and Learning, and GSU College of Arts and Sciences Honors Program
$300

Recipient, Departmental Honors in Physics May 2003
College of Charleston
Cookies

Golden Key National Honors Society 2002
College of Charleston
credit card with low APR

PROFESSIONAL AFFILIATIONS

Society of Physics Students (SPS) 2000 –
American Astronomical Society (AAS) 2003 –
International Astronomical Union (IAU) 2012 –
The 100 Earths project (PI, D. Fischer) 2012 –
Transiting Exoplanet Survey Satellite (TESS; PI, G. Ricker) target selection working group 2013 –
Yale-Postdam stellar theory group (PI, P. Demarque) 2013 –
Kepler eclipsing binary working group (Chair, A. Prsa) 2013 –
Transit Ephemeris Monitoring and Refinement Survey (TERMS; PI, S. Kane) 2014 –
Kepler Asteroseismic Science Center Working group on RGB oscillations (KASC-WG8; Chair, Silva Aguirre) 2014 –

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