

Megan L. Jones

PERSONAL DATA

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EDUCATION

DEC 2018 Ph.D. in PHYSICS, West Virginia University
DEC 2015 M.S. in PHYSICS, West Virginia University
MAY 2012 B.S. in ASTRONOMY-PHYSICS, University of Wisconsin–Madison

RESEARCH EXPERIENCE

JAN 2019 – JUN 2019	Postdoctoral Researcher at WVU Advisor: Dr. Maura McLaughlin
SEP 2013 – DEC 2018	Graduate Researcher at WVU Advisor: Dr. Maura McLaughlin
SUMMER 2015	Researcher at the Australian National Telescope Facility Advisor: Dr. Ryan Shannon
SUMMER 2012	Researcher for Rutgers University Advisor: Dr. Andrew Baker
SUMMER 2010	Summer Student Researcher at the Green Bank Observatory Advisor: Dr. Glen Langston
JAN 2009 – AUG 2013	Undergraduate Researcher at UW-Madison Advisor: Dr. Eric Wilcots

TEACHING & OUTREACH

2016 – 2018	Planetarium Operator at West Virginia University Scheduling, creating and leading planetarium shows for students from the university and local schools, as well as system maintenance and repair.
2013 – 2016	Astronomy Help Center Tutor at WVU Course title: Descriptive Astronomy
FALL 2013	Boreman Hall Tutor at WVU
2012 – 2013	Teaching Assistant at UW–Madison Course title: Our Exploration of the Solar System Led six weekly discussion sections as well as occasional planetarium shows for an introductory astronomy course for non-science majors.
SPRING 2013	Instructor at UW–Madison Course title: Hands-On Universe Taught one weekly section of an introductory lab course for non-science majors.

AWARDS & SERVICE

JUN 2019	IPTA Meeting, SOC for student workshop
APR 2019	NANOGrav Collaboration Meeting, SOC for student workshop
OCT 2018	NANOGrav Collaboration Meeting, SOC
FALL 2017, 2018	Adopt-A-Physicist
2016 – 2018	Student Member-At-Large, APS DGRAV executive committee
APR 2017	NANOGrav Collaboration Meeting, LOC
2014 – 2015	WVU Student Conduct Board Representative
2013 – 2016	STEM Mountains of Excellence Fellowship
2010, 2011	Wisconsin Space Grant Scholarship
2011	Wisconsin Space Grant Research Award
2011	Critical Language Scholarship
2010	Bernice Durand Research Scholarship

RESEARCH & OUTREACH TALKS

JAN 2019	American Astronomical Society Dissertation Talk, Seattle, WA
MAR 2018	NANOGrav Spring Meeting, Charlottesville, VA
JAN 2018	American Astronomical Society, Washington D.C.
NOV 2017	NSF EPSCoR Conference, Missoula, MT
JUN 2017	International Pulsar Timing Array Conference, Sèvres, France
JAN 2017	American Physical Society April Meeting, Washington D.C.
OCT 2016	NANOGrav Fall Meeting, Urbana-Champaign, IL
NOV 2015	UW-Madison Invited Graduate Colloquium, Madison, WI
OCT 2015	APS Meeting Mid-Atlantic Division, Morgantown, WV
OCT 2015	NANOGrav Fall Meeting, Montreal, Canada
AUG 2015	International Pulsar Timing Array Conference, Leura, Australia
OCT 2014	NANOGrav Fall Meeting, Milwaukee, WI
MAY 2014	Eastern Gravity Meeting, Morgantown, WV

POSTER PRESENTATIONS

APR 2017	NANOGrav Advisory Board Meeting, Morgantown, WV
JAN 2016	American Astronomical Society Meeting, Kissimmee, FL
JUL 2014	International Pulsar Timing Array Conference, Banff, Canada
JAN 2014	American Astronomical Society, Washington D.C.
JAN 2013	American Astronomical Society Meeting, Long Beach, CA
OCT 2012	Wisconsin Space Grant Regional Conference, Milwaukee, WI
AUG 2012	Wisconsin Space Grant State Conference, Whitewater, WI
JAN 2012	American Astronomical Society Meeting, Austin, TX
JAN 2011	ALMA Spectroscopy Meeting, Victoria, BC, Canada
JAN 2011	American Astronomical Society, Seattle, WA
JAN 2010	American Astronomical Society Meeting, Washington D.C.

21. “Investigating the Candidate Displaced Active Galactic Nucleus in NGC 3115”, **M. L. Jones**, S. Burke-Spolaor, K. Nyland, J. M. Wrobel, 2019, submitted to *ApJ*.
20. “The NANOGrav 12.5-Year Data Set: The Frequency Dependence of Pulse Jitter in Precision Millisecond Pulsars”, M. T. Lam et al. (28 authors, including **M. L. Jones**), 2018, submitted to *ApJ*.
19. “The NANOGrav 11-year Data Set: Solar Wind Sounding Through Pulsar Timing”, D. R. Madison et al. (31 authors, including **M. L. Jones**), 2018, submitted to *ApJ*.
18. “Tests of Gravitational Symmetries with Pulsar Binary J1713+0747”, W. W. Zhu et al. (53 authors, including **M. L. Jones**), 2019, *MNRAS*, 482, 3249.
17. “The NANOGrav 11-year Data Set: Pulse Profile Variability”, P. R. Brook et al. (33 authors, including **M. L. Jones**), 2018, *ApJ*, 868, 122.
16. “PSR J2234+0611: A New Laboratory for Stellar Evolution”, K. Stovall et al. (33 authors, including **M. L. Jones**), 2019, *ApJ*, 870, 74.
15. “A Second Chromatic Timing Event of Interstellar Origin toward PSR J1713+0747”, M. T. Lam, J. A. Ellis, G. Grillo, **M. L. Jones** et al., 2018, *ApJ*, 861, 2.
14. “The NANOGrav 11-year Data Set: Arecibo Observatory Polarimetry and Pulse Microcomponents”, Gentile et al. (28 authors, including **M. L. Jones**), 2018, *ApJ*, 862, 47.
13. “The NANOGrav 11-year Data Set: Pulsar-timing Constraints on the Stochastic Gravitational Wave Background”, Arzoumanian et al. (62 authors, including **M. L. Jones**), 2018, *ApJ*, 859, 47.
12. “The NANOGrav 11-year Data Set: High-precision Timing of 45 Millisecond Pulsars”, Arzoumanian et al. (57 authors, including **M. L. Jones**), 2018, *ApJ*, 235, 37.
11. “The NANOGrav 9-year Data Set: Measurement and Analysis of Variations in Dispersion Measures”, **M. L. Jones** et al. (24 authors), 2017, *ApJ*, 841, 2.
10. “The NANOGrav 9-year Data Set: Excess Noise in Millisecond Pulsar Arrival Times”, Lam et al. (25 authors, including **M. L. Jones**), 2017, *ApJ*, 834, 35.
9. “The NANOGrav 9-year Data Set: Mass and Geometric Measurements of Binary Millisecond Pulsars”, Fonseca et al. (19 authors, including **M. L. Jones**), 2016, *ApJ*, 832, 167.
8. “Systematic and Stochastic Variations in Pulsar Dispersion Measures”, M. T. Lam, J. M. Cordes, S. Chatterjee, **M. L. Jones**, M. A. McLaughlin, J. W. Armstrong, 2016, *ApJ*, 821, 66.
7. “PSR J1024-0719: A Millisecond Pulsar in an Unusual Long-Period Orbit”, Kaplan et al. (35 authors, including **M. L. Jones**), 2016, *ApJ*, 826, 86.

6. “The NANOGrav 9-year Data Set: Limits on the Isotropic Stochastic Gravitational Wave Background”, Arzoumanian et al. (48 authors, including **M. L. Jones**), 2016, *ApJ*, 821, 13.
5. “The NANOGrav 9-year Data Set: Noise Budget For Pulsar Arrival Times on Intraday Timescales”, Lam et al. (23 authors, including **M. L. Jones**), 2016, *ApJ*, 819, 155.
4. “The NANOGrav 9-year Data Set: Monitoring Interstellar Scattering Delays”, Levin et al. (25 authors, including **M. L. Jones**), 2016, *ApJ*, 818, 166.
3. “The NANOGrav 9-year Data Set: Astrometric Measurements of 37 Millisecond Pulsars”, Matthews et al. (21 authors, including **M. L. Jones**), 2016, *ApJ*, 818, 92.
2. “The NANOGrav 9-year Data Set: Observations, Arrival Time Measurements, and Analysis of 37 Millisecond Pulsars”, Arzoumanian et al. (44 authors, including **M. L. Jones**), 2015, *ApJ*, 813, 65.
1. “Testing Theories of Gravitation Using 21-Year Timing of Pulsar Binary J1713+0747”, Zhu et al. (20 authors, including **M. L. Jones**), 2015, *ApJ*, 809, 41.