

JEFF J. ANDREWS

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Personal

Born: 8 December 1986
 Citizenship: U.S.

Education

COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK Aug 2009 – Sept 2015
 Ph.D. in Astronomy
 Dissertation: “Double White Dwarfs as Probes of Single and Binary Star Evolution”
 Thesis Advisor: Marcel Agüeros

NORTHWESTERN UNIVERSITY 2005 – 2009
 B.A. in Integrated Science, Physics, and Math
 Undergraduate Advisor: Vicky Kalogera

**Employment
and
Teaching**

POSTDOCTORAL RESEARCHER Fall 2015 – Present
 IESL/Foundations for Research and Technology-Hellas

GRADUATE INSTRUCTOR, ASTRONOMY LAB COURSE 2009 – 2012
 Columbia University

UNDERGRADUATE RESEARCH ASSISTANT Summer 2006, 2007, 2008, & 2009
 Northwestern University

Honors

NRAO STUDENT OBSERVING SUPPORT 2012 – 2013
 ILLINOIS SPACE GRANT CONSORTIUM SCHOLARSHIP 2008 – 2009
 SUMMER UNDERGRADUATE RESEARCH GRANT Summer 2008

**Schools
and Topical
Meetings**

19TH EUROPEAN WHITE DWARF WORKSHOP August 2014
 Montreal, Canada

FIRST MESA WORKSHOP Summer 2012
 Santa Barbara, CA

INTERNATIONAL CONFERENCE ON BINARIES, BINARY STAR EVOLUTION: June 2010
 MASS LOSS, ACCRETION AND MERGERS
 Mykonos, Greece

4TH SUMMER SCHOOL IN GRAVITATIONAL WAVE ASTRONOMY Summer 2008
 South Padre Island, TX

**Allocated
Telescope
Time**

Chandra Ongoing
 22 ks as a PI for searching for neutron stars as LMWD companions, \$34K

	GREEN BANK TELESCOPE 6 hours as a PI on follow-up to a newly identified pulsar	Ongoing
	GREEN BANK TELESCOPE 8 hours as a PI for searching for pulsars as LMWD companions	July 2014
	GREEN BANK TELESCOPE 8 hours as a Co-I for searching for pulsars as LMWD companions	July 2012
Outreach	VOLUNTEER, ROOFTOP VARIABLES Partner with local high school teacher to run hands-on activities and observing sessions	2009 – 2014
	LECTURER, COLUMBIA ASTRONOMY OUTREACH PROGRAM “How to Build a Solar System”	May 2014
	“Martian Invasion: NASA’s Army of Exploratory Robots”	October 2010
	LOCATION ORGANIZER, ASTRONOMY ON TAP Set up events for outreach program featuring talks in unusual locations	2013 – 2014
	PROGRAM COORDINATOR, CAPTURE THE COSMOS Taught astronomy to middle school students with the organization Chicago Cares	2008 – 2009
Presentations	TALK: CONSTRAINING THE INITIAL-FINAL MASS RELATION WITH WIDE DOUBLE WHITE DWARFS 225th Meeting of the American Astronomical Society, Seattle, WA	January 2015
	TALK: CONSTRAINING THE INITIAL-FINAL MASS RELATION WITH WIDE DOUBLE WHITE DWARFS 19th European White Dwarf Workshop, Montreal, Canada	August 2014
	TALK: CONSTRAINING THE INITIAL-FINAL MASS RELATION University of Oklahoma	March 2013
	TALK: WIDE DOUBLE WHITE DWARFS Northwestern University	May 2012
	POSTER: WIIIIIDE WHITE DWARF BINARIES SELECTED FROM THE SLOAN DIGITAL SKY SURVEY 221st Meeting of the American Astronomical Society, Austin, TX	January 2012
	POSTER: A POPULATION SYNTHESIS ANALYSIS ON THE FORMATION OF DOUBLE NEUTRON STARS International Conference on Binaries, Binary Star Evolution, Mykonos, Greece	June 2010
	TALK: A POPULATION SYNTHESIS ANALYSIS OF DOUBLE NEUTRON STARS Northwestern Undergraduate Research Symposium	May 2009
Publications	TODAY A DUO, BUT ONCE A TRIO? THE DOUBLE WHITE DWARF HS 2220+2146 MAY BE A POST-BLUE STRAGGLER BINARY Andrews, Jeff J. , Agüeros, M., Brown, W., Gosnell, N., Gianninas, A., Kilic, M., Koester, D., <i>ApJ</i> , 828, 38	

CONSTRAINTS ON THE INITIAL-FINAL MASS RELATION FROM WIDE DOUBLE WHITE DWARFS
Andrews, Jeff J., Agüeros, M., Gianninas, A., Kilic, M., Dhital, S., Anderson, S., 2015, *ApJ*, 815, 63

ULTRACOOL WHITE DWARFS AND THE AGE OF THE GALACTIC DISK
Gianninas, A., [4 Authors], **Andrews, Jeff J.**, [2 Authors], 2015, *MNRAS*, 449, 3966

A POPULATION SYNTHESIS ANALYSIS OF DOUBLE NEUTRON STARS
Andrews, Jeff J., Farr, W., M., Kalogera, V., & Willems, B., 2015, *ApJ*, 801, 32

THE MASS DISTRIBUTION OF COMPANIONS TO LOW-MASS WHITE DWARFS
Andrews, Jeff J., Price-Whelan, A. M., Agüeros, M., 2014, *ApJL*, 797, L32

11-12 GYR OLD WHITE DWARFS 30 PC AWAY
Kilic, M., Thorstensen, J., Kowalski, P., **Andrews, Jeff J.**, 2012, *MNRAS*, 423, 132

COMMON PROPER MOTION WIDE WHITE DWARF BINARIES SELECTED FROM THE SLOAN DIGITAL SKY SURVEY
Andrews, Jeff J., Agüeros, M., Belczynski, K., Dhital, S., Kleinman, S., & West, A., 2012 *ApJ*, 757, 170

THE SHORTEST PERIOD DETACHED BINARY WHITE DWARF SYSTEM
Kilic, M., [3 Authors], **Andrews, Jeff J.**, [4 Authors], 2011, *MNRAS*, 413, 101

POLAR KICKS AND THE SPIN PERIOD-ECCENTRICITY RELATION IN DOUBLE NEUTRON STARS
Willems, B., **Andrews, Jeff J.**, Kalogera, V., & Belczynski, K., 2008, *AIPC*, 983, 464

References

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