

Laura B. Chomiuk

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Education: _____

Ph.D. in Astronomy	2010
University of Wisconsin–Madison	
“ <i>Supernova Remnants Across the Hubble Sequence</i> ” advised by Prof. Eric M. Wilcots	
M.S. in Atmospheric & Oceanic Sciences	2006
University of Wisconsin–Madison	
B.A. in Astronomy and Physics	2003
Wesleyan University, High Honors in Astronomy	

Appointments: _____

Associate Professor, Michigan State University (MSU)	2018–Present
Assistant Professor, MSU	2013–2018
Jansky Fellow, National Radio Astronomy Observatory (NRAO)	2010–2013
Resident at the Harvard-Smithsonian Center for Astrophysics and Michigan State University	
Visiting Scientist, NRAO	2010
EVLA Shared Risk Observing and Commissioning	
Graduate Student Researcher, University of Wisconsin–Madison and University of California–Santa Cruz	2003–2010

Awards: _____

College of Natural Science Teacher-Scholar Award	2018
College of Natural Science Undergraduate Teaching Award	2018
Cottrell Scholar, Research Corporation for Science Advancement	2017–2020
Research Corporation for Science Advancement Scialog Fellow	2015–2016
CoSMS Scholarship	2015
Thomas H. Osgood Excellence in Teaching Award	2015
NRAO Jansky Fellowship	2010–2013
NSF Graduate Research Fellowship	2005–2008
Wisconsin Space Grant Consortium Graduate Fellowship	2005
Graduate Fellowship, University of California–Santa Cruz	2003
University Scholar, Wesleyan University	1999–2003
Littell Prize in Astronomy, Wesleyan University	2003

Grant Funding (Amounts to MSU):

<i>Fermi ToO Observations of Bright Galactic Novae</i> Fermi Guest Investigator Program Cycle 11 (2018–2019; co-PI)	\$55,000
<i>CAREER: Understanding Novae as Shock-Powered Explosions</i> NSF CAREER Grant (2018–2023; PI)	\$730,425
<i>Rethinking the Fundamentals of Novae</i> Research Corporation for Science Advancement (2017–2020; PI)	\$100,000
<i>Finding AM CVn Stars in 47 Tuc</i> NASA/Hubble Space Telescope (2017–2020; coI)	\$9,843
<i>Identifying the Nature of a Peculiar Globular Cluster X-ray Binary</i> NASA/Chandra X-ray Observatory (2017–2019; coI)	\$10,000
<i>Accretion at the Lowest Luminosities Revealed by the Stellar-Mass Black Hole GS 2000+25</i> NASA/Chandra X-ray Observatory (2017–2019; PI)	\$40,485
<i>The Formation and Evolution of Black Holes in the Era of Multi-Messenger Astronomy</i> National Radio Astronomy Observatory (2017–2018; co-PI)	\$14,800
<i>The Black Hole Population in Galactic Globular Clusters</i> NASA/Hubble Space Telescope (2016–2019; PI)	\$24,537
<i>Catching the Emergence of a Supernova Years After the Gamma Ray Burst</i> Research Corporation for Science Advancement (2016–2018; co-PI)	\$50,000
<i>The Black Hole Population in Galactic Globular Clusters</i> NASA Chandra X-ray Observatory (2016–2018; PI)	\$87,610
<i>The Supernova Rate and Delay Time Distribution in the Local Group</i> NSF Astronomy and Astrophysics Research Grant (2014–2018; co-PI) with co-PI C. Badenes, University of Pittsburgh	\$268,609
<i>CHILES VERDES: The Transient Radio Sky at Incomparable Depth</i> NSF Astronomy and Astrophysics Research Grant (2014–2018; PI)	\$262,103
<i>Tempest, Not Bombs: The Complex, Prolonged Explosions of Novae</i> Fermi Guest Investigator Program Cycle 7 (2014–2017; PI)	\$182,814
<i>A Black Hole in the Galactic Globular Cluster M62</i> Chandra X-ray Observatory Cycle 15 (2014–2017; PI)	\$52,079

National and International Committees

Working Group on Time Domain Astronomy of the American Astronomical Society	2017–Present
Science Advisory Council for Next Generation Very Large Array (ngVLA) Including editing the ngVLA Science Book	2016–Present
Fermi Users Group	2015–Present
NRAO Users Committee (Deputy Chair in 2015, Chair in 2016)	2013–2016

NRAO Science Review Panel	2014–2015, 2017
<i>Fermi</i> Proposal Review Panel	2016
<i>Chandra X-ray Observatory</i> Time Allocation Committee	2015
NRAO Committee on Proposal Review and Time Allocation	2014
Hubble Fellow Selection Committee	2014
NSF Astronomy & Astrophysics Grants Review Panel	
NSF Astronomy & Astrophysics Postdoctoral Fellowship Panel	
NSF CAREER Grant Review Panel	

MSU Service ---

Director of Undergraduate Astrophysics Major	2018–Present
Organizer of Astronomy Seminars	2013–2015, 2018–Present
Physics & Astronomy Colloquium Committee	2018–Present
Ad Hoc Committee on a Departmental Teaching Strategic Plan	2017–Present
Ad Hoc Committee on Diversity	2016–Present
Ad Hoc Committee on STEM Laboratories	2014–Present
Director of MSU Campus Observatory	2013–Present
Undergraduate Program Committee	2013–Present
MSU Thesis Committees for non-advisee grad students	
D. Douglas, K. Dage, M. Grinder, J. Surbrook & S. Swihart	2018–Present
D. Votaw	2017–Present
T. Poxon-Pearson	2016–Present
R. Connolly & C. Fry	2015–Present
M. Bennett & A. Deibel	2013–2016
Search Committee for Particle Astrophysics Faculty Hire	2017–2018
Faculty Grievance Appeal Panel	2015
Search Committee for Nuclear Astrophysics Faculty Hire	2014–2015
Search Committee for Cowen Chair in Condensed Matter Physics	2013–2014

Conferences Organized ---

Scientific Organizing Committee (SOC) for Nova Conference in Portugal	2019
Co-chair of conference, <i>Astrophysical Frontiers in the Next Decade</i>	2018
SOC for European Week of Astronomy and Space Science session on novae	2018
SOC for conference, <i>Asymmetric Planetary Nebulae 7</i>	2017
Co-chair for conference, <i>Stellar Remnants at the Junction</i>	2016
SOC for <i>International Workshop on Shocks and Particle Acceleration in Novae and Supernovae</i>	2016
SOC for Aspen Workshop on <i>Black Holes in Star Clusters</i>	2015
SOC for <i>Type Ia Supernovae: Progenitors, Explosions, and Cosmology</i> Conference	2014

Organizer for <i>Compact Objects in Michigan</i> Conference	2014
Organizer for NRAO Postdoc Symposium	2012
Co-Chair of <i>Radio Astronomy and the Interstellar Medium</i> Conference	2010

Formal Scientific Collaborations ---

Member of the ASAS-SN collaboration	
Member of LSST Transients and Variable Stars Collaboration	
Member of the ThunderKAT Collaboration (Transient survey on MeerKAT telescope)	

Current Publication Summary: ---

Link to Citation Account in Google Scholar:
http://scholar.google.com/citations?user=_gN33xkAAAAJ
 101 refereed articles (12 first author)
 153 non-refereed articles (Astronomer's Telegrams, submitted pre-prints, etc.)
 3773 citations, h-index 32

Courses Taught ---

AST 208: <i>Planets and Telescopes</i>	2014, 2015, 2016, 2018
ISP 205L: <i>Visions of the Universe Lab</i>	2016, 2018
ISP 205: <i>Visions of the Universe</i>	2014

Outreach Activities (since 2013): ---

Organizer of monthly public nights at MSU Observatory ~50–75 people in attendance on typical evening	2013–Present
Organizer of special-event public nights at MSU Observatory for Alumni Weekends, 4H, summer schools, school groups, etc.	2013–Present
Organizer of International Observe the Moon Night at MSU Observatory ~200–400 people in attendance at each annual event	2015–Present
Leader of Statewide Astronomy Night at MSU Observatory ~200–400 people in attendance at each annual event	2015–Present
Faculty Advisor to the MSU Astronomy Club	2013–Present
Astronomical Horizons Public Lectures at the Abrams Planetarium	2013–Present
Leader of Perseid Party at Cory Marsh Natural Area	Aug 2018
Organizer of Closest-Approach-of-Mars Night ~400 people in attendance	2018
Leader of astronomy session at 4H Exploration Days	2018
Organizer of Solar Eclipse Party ~500 people in attendance	2017
Presenter at Astronomy on Tap, Lansing, MI	2016
Co-Leader of Astronomy event at the Science Olympiad State Finals	2013–2015
Interviewee for Kavli Roundtable on Progenitor Systems of Type Ia Supernovae	2015

Docent at Physics & Astronomy Day, Impression 5 Museum	2015
Leader of Aspen Physics Café	2015
Interviewee for NASA Blueshift public blog	2014
Presenter at University of Toronto AstroTour	2014
Presenter at the <i>Nuclear Astrophysics</i> MST Summer School	2014
Public Talk, Ann Arbor Lowbrow Astronomers	2014
Presenter at the <i>Physics of Atomic Nuclei</i> Summer Schools	2013
Physics Colloquium for MSU REU Students	2013

Other Service:

Organizer of special talks for summer visitors	2013–Present
Telescope Proposal Selection: GMRT, CFHT, <i>HST</i>	2012–Present
Referee for <i>Astrophysical Journal</i> , <i>Astrophysical Journal Letters</i> , <i>Astronomical Journal</i> , <i>Nature</i>	2010–Present
Career Panelist at the NRAO Postdoc Symposium	2015
Leader of weekly arXiv journal club for MSU astronomy group	2013–2014
NSF Mid-Scale Innovations Project (MSIP) Reviewer	

Postdoctoral Researchers Supervised or Co-supervised

Elias Aydi	2018–Present
Ray Li	2015–2018
Arash Bahramian	2016–2018
Chris Britt	2016–2018
Evangelia Tremou	2015–2017
Justin Linfood	2013–2016

Ph. D. Students Supervised or Co-supervised

Teresa Panurach (MSU)	Graduating ~2023
Jack O’Brien (MSU)	Graduating ~2023
Adam Kawash (MSU)	Graduating ~2022
Jessica Maldonado (MSU)	Graduating ~2021
Laura Shishkovsky (MSU)	Graduating ~2019
Charee Peters (Wisconsin)	Graduating ~2019
Sumit Sarbadhicary (U Pitt)	Graduated 2018
Thomas Finzell (MSU)	Graduated 2017
Jennifer Weston (Columbia)	Graduated 2016

M. S., Undergraduate, or High School Students Supervised or Co-supervised ·

★ signifies that I advised their senior capstone experience.

† signifies that the student is an author on a refereed publication that emerged from the research experience.

Nathaniel Berry	2018–Present
Brendan Boyd	2018–Present
Christina Conner	2018–Present
Muna Dasuqi	2018–Present
Trevor Franklin	2018–Present
Alexa Muethel	2018–Present
Lucas Peggau	2018–Present
Barrett Ross	2018–Present
Ryan Smith	2018–Present
Aalayah Spencer	2018–Present
Gavin Wilks	2018–Present
Joe Adams	2017–Present
Matt Bundas	2017–Present
Megan Campbell	2017–Present
Jacob Crosby	2017–Present
Colin Davis	2017–Present
Megan Davis	2017–Present
Hannah Gallamore	2017–Present
Larissa Kennerley	2017–Present
Dylan Mankel	2017–Present
Omid Noroozi	2017–Present
Hazirah Sanani	2017–Present
Katie Schram	2017–Present
Luke Van Ess	2017–Present
Joey Seitz	2016–Present
Emily Washington	2016–Present
Jonathan Semeyn ★	2016–2018
Bradley Frink	2016–2018
Pranit Vengskarkar	2016–2018
Daniel Coulter †★	2015–2018
Huei Sears	2015–2018
Matt Marshall	2017–2018
Luis Bariuan	2018
Matthew Floyd	2018
Cielo Medina	2018

Danny Huizenga (MSU)	Graduated with M. S., 2017
Anja Chivukula	2016–2017
Felicia Minott	2016–2017
Eric Kopins	2015–2017
Brian Luke	2015–2017
Pham Nguyen	2015–2017
John Owens	2015–2017
Dustin Scriven ★	2015–2017
Seth Bruzewski †	2014–2017
Jessica Martin	2014–2017
Austin Silcox ★	2014–2017
Autumn Cain	2017
Jenny Ward	2015–2016
Andrew Bundas ★	2014–2016
Jason Emming	2014–2016
Madison Harris	2014–2016
Yunxiao Jia	2014–2016
Tyler Lux	2014–2016
Alex McComb ★	2014–2016
Stephen Mee	2014–2016
TJ Sessorossi	2014–2016
Carolyn Wendeln †★	2013–2016
Max Morehead	2016
Edward Buie	2014–2015
DuRay Petersen	2014–2015
Naomi Williams	2013–2015
David Saunders ★	2012–2015
Josh Milem	2015
Brandon Russell	2013–2014
Dana Koeppe †★	2013–2014
Jacob Gruhn	2013–2014

Invited Presentations (since 2013): _____

Scialog 2018: Time Domain Astrophysics
Tucson, AZ

Jun 2018

Quarks to the Cosmos Meeting of the American Physical Society
Columbus, OH

Apr 2018

Observational Signatures of Type Ia Supernova Progenitors III Conference

Leiden, Netherlands	Feb 2018
Colloquium at University of Wisconsin–Madison Madison, WI	Dec 2017
Colloquium at University of Wisconsin–Milwaukee Milwaukee, WI	Dec 2017
Colloquium at University of California–Los Angeles Los Angeles, CA	Nov 2017
Colloquium at Michigan State University East Lansing, MI	Nov 2017
Colloquium at Columbia University New York, NY	Oct 2017
Colloquium at University of Michigan Ann Arbor, MI	Oct 2017
Colloquium at University of Toledo Toledo, OH	Sep 2017
<i>JvG Fest 2017: Gas and Galaxy Evolution Conference</i> Stanley, ID	Aug 2017
<i>Cottrell Scholars Conference 2017</i> Tucson, AZ	Jul 2017
<i>NORDITA Extreme Gravity Stars Conference</i> Stockholm, Sweden	Jun 2017
<i>Conference on Shocks and Particle Acceleration in Novae</i> New York, NY	Jun 2016
Colloquium at West Virginia University Morgantown, WV	Apr 2016
Colloquium at Northwestern University Evanston, IL	Mar 2016
Colloquium at Purdue University West Lafayette, IN	Mar 2016
Colloquium at University of Texas Rio Grande Valley Brownsville, TX	Feb 2016
Colloquium at Oakland University Rochester, MI	Feb 2016
<i>U.S. Radio/Millimeter/Submillimeter Science Futures in the 2020's</i> Chicago, IL	Dec 2015
Colloquium at Ohio State University Columbus, OH	Nov 2015
<i>Scialog 2015: Time Domain Astrophysics</i> Oracle, AZ	Oct 2015
<i>Swinburne-Caltech Transient Workshop</i> Pasadena, CA	Oct 2015

<i>Radio Transients Workshop</i>	Sep 2015
Oxford, UK	
Colloquium at International Centre for Radio Astronomy Research/Curtin University	
Perth, Australia	Jul 2015
<i>Black Holes in Globular Cluster Mini-Workshop</i>	
Evanston, IL	May 2015
Colloquium at University of Minnesota	
Minneapolis, MN	Apr 2015
Colloquium at Indiana University	
Bloomington, IN	Mar 2015
<i>Black Holes in Dense Star Clusters Conference</i>	
Aspen, CO	Jan 2015
<i>The Physics of Cataclysmic and Compact Binaries Workshop</i>	
New York, NY	Oct 2014
Colloquium at University of Alabama	
Tuscaloosa, AL	Oct 2014
<i>Type Ia Supernovae: Progenitors, Explosions, and Cosmology Conference</i>	
Chicago, IL	Sep 2014
<i>“Explosions I Have Known”: Stirling Colgate’s Legacy in Science Conference</i>	
Los Alamos, NM	Aug 2014
<i>Fast and Furious: Understanding Exotic Astrophysical Transients Workshop</i>	
Aspen, CO	Jun 2014
Colloquium at University of Illinois	
Urbana-Champaign, IL	Apr 2014
Colloquium at University of Toronto	
Toronto, Canada	Feb 2014
Colloquium at Notre Dame	
Notre Dame, IN	Dec 2013
Colloquium at Western Ontario	
London, Canada	Dec 2013
Colloquium at University of Wisconsin	
Madison, WI	Nov 2013
<i>Observational Signatures of Type Ia Supernova Progenitors Workshop</i>	
Leiden, Netherlands	Sep 2013
<i>Radio Transients with SKA Pathfinders and Precursors Conference</i>	
Kruger, South Africa	Jul 2013
<i>40 Years of Variable Stars Conference</i>	
East Lansing, MI	May 2013
NRAO Postdoc Symposium	
Green Bank, WV	May 2013
<i>Fifty One Ergs Conference</i>	

Raleigh, NC	May 2013
High Energy Astrophysics Division Meeting of the American Astronomical Society (AAS) Monterey, CA	Apr 2013
Colloquium at University of Michigan Ann Arbor, MI	Mar 2013
Colloquium at Wayne State University Detroit, MI	Feb 2013
Colloquium at Oskar Klein Centre Stockholm, Sweden	Feb 2013
<i>Stella Novae</i> Conference Cape Town, South Africa	Feb 2013