



# Trey V. Wenger

ASTROPHYSICIST

Dominion Radio Astrophysical Observatory, NRC Canada  
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*Research interests: Milky Way structure; interstellar medium; HII regions; high-mass star formation; galaxy formation and evolution; radio recombination lines*

## Education

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### University of Virginia

PH.D. IN ASTRONOMY, M.S. IN ASTRONOMY

- Dissertation: “Structure in the Milky Way”
- Advisor: Dana S. Balsler, National Radio Astronomy Observatory

*Charlottesville, Virginia*

*Aug. 2013 - May 2019*

### Boston University

B.A. IN ASTRONOMY AND PHYSICS

- *summa cum laude*
- College Prize in Astronomy
- Institute for Astrophysical Research Prize

*Boston, Massachusetts*

*Aug. 2009 - May 2013*

## Employment

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### Covington Postdoctoral Fellow

DOMINION RADIO ASTROPHYSICAL OBSERVATORY

*Penticton, BC, Canada*

*Aug 2019 - Present*

### Research Fellow

UNIVERSITY OF VIRGINIA

- Advisor: Dana S. Balsler, National Radio Astronomy Observatory

*Charlottesville, Virginia*

*Aug 2013 - May 2019*

### Teaching Assistant

UNIVERSITY OF VIRGINIA

- Introduction to Cosmology (Undergraduate)
- Research Methods in Astrophysics (Undergraduate)
- Observational Astronomy (Graduate)
- Introduction to Cosmology (Undergraduate)
- Observational Astronomy (Undergraduate)
- Duties: guest lectures, office hours, observational labs, assignment and exam grading

*Charlottesville, Virginia*

*Aug 2014 - May 2016*

### Instructor

UNIVERSITY OF VIRGINIA

- Stars, Galaxies, and the Universe (Undergraduate)
- Duties: course design, lectures, assignment and exam design and grading, observational labs

*Charlottesville, Virginia*

*Jul 2014 - Aug 2014*

### Research Assistant

BOSTON UNIVERSITY

- Advisor: T. M. Bania, Boston University

*Boston, Massachusetts*

*Aug 2012 - May 2013*

## REU Student

NATIONAL RADIO ASTRONOMY OBSERVATORY

- Advisor: Dana S. Balser, National Radio Astronomy Observatory

Charlottesville, Virginia

Jun 2012 - Aug 2012

## REU Student

ARECIBO OBSERVATORY

- Advisor: Tapasi Ghosh and Chris Salter, Arecibo Observatory

Puerto Rico

May 2011 - Aug 2011

## Assistant Curator

J. B. COIT OBSERVATORY, BOSTON UNIVERSITY

- Duties: maintain and service telescopes, assist at open houses, maintain lab equipment

Boston, Massachusetts

Jun 2010 - May 2013

## Refereed Publications

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- [1] C. D. Wiens, T. V. **Wenger**, P. Tzanavaris, K. E. Johnson, S. C. Gallagher, and L. Xiao. The Occurrence of Compact Groups of Galaxies through Cosmic Time. *Astrophysical Journal*, 873(2):124, March 2019.
- [2] L. D. Anderson, T. V. **Wenger**, W. P. Armentrout, D. S. Balser, and T. M. Bania. A Galactic Plane Defined by the Milky Way H II Region Distribution. *Astrophysical Journal*, 871:145, February 2019.
- [3] T. V. **Wenger**, J. M. Dickey, C. H. Jordan, D. S. Balser, W. P. Armentrout, L. D. Anderson, T. M. Bania, J. R. Dawson, N. M. McClure-Griffiths, and J. Shea. The Southern H II Region Discovery Survey. I. The Bright Catalog. *Astrophysical Journal Supplement Series*, 240:24, February 2019.
- [4] D. M. Maffucci, T. V. **Wenger**, R. Le Gal, and E. Herbst. Astrochemical Kinetic Grid Models of Groups of Observed Molecular Abundances: Taurus Molecular Cloud 1 (TMC-1). *Astrophysical Journal*, 868:41, November 2018.
- [5] M. Luisi, L. D. Anderson, T. M. Bania, D. S. Balser, T. V. **Wenger**, and A. A. Kepley. Hydrogen Radio Recombination Line Emission from M51 and NGC 628. *Publications of the Astronomical Society of the Pacific*, 130(8):084101, August 2018.
- [6] T. V. **Wenger**, D. S. Balser, L. D. Anderson, and T. M. Bania. Kinematic Distances: A Monte Carlo Method. *Astrophysical Journal*, 856:52, March 2018.
- [7] L. D. Anderson, W. P. Armentrout, M. Luisi, T. M. Bania, D. S. Balser, and T. V. **Wenger**. A Green Bank Telescope Survey of Large Galactic H II Regions. *Astrophysical Journal Supplement Series*, 234:33, February 2018.
- [8] T. V. **Wenger**, A. A. Khan, N. G. Ferraro, D. S. Balser, W. P. Armentrout, L. D. Anderson, and T. M. Bania. Carbon Monoxide Observations toward Star-forming Regions in the Outer Scutum-Centaurus Spiral Arm. *Astrophysical Journal*, 852:2, January 2018.
- [9] M. Luisi, L. D. Anderson, D. S. Balser, T. V. **Wenger**, and T. M. Bania. Diffuse Ionized Gas in the Milky Way Disk. *Astrophysical Journal*, 849:117, November 2017.

- [10] B.-C. Koo, G. Park, W.-T. Kim, M. G. Lee, D. S. Balser, and T. V. **Wenger**. Tracing the Spiral Structure of the Outer Milky Way with Dense Atomic Hydrogen Gas. *Publications of the Astronomical Society of the Pacific*, 129(9):094102, September 2017.
- [11] D. S. Balser, T. V. **Wenger**, W. M. Goss, K. E. Johnson, and A. A. Kepley. JVLA Observations of IC 342: Probing Star Formation in the Nucleus. *Astrophysical Journal*, 844:73, July 2017.
- [12] C. Brown, C. Jordan, J. M. Dickey, L. D. Anderson, W. P. Armentrout, D. S. Balser, T. M. Bania, J. R. Dawson, N. M. McClure-Griffiths, and T. V. **Wenger**. The Southern H II Region Discovery Survey (SHRDS): Pilot Survey. *Astronomical Journal*, 154:23, July 2017.
- [13] W. P. Armentrout, L. D. Anderson, D. S. Balser, T. M. Bania, T. M. Dame, and T. V. **Wenger**. High-mass Star Formation in the Outer Scutum-Centaurus Arm. *Astrophysical Journal*, 841:121, June 2017.
- [14] M. Luisi, L. D. Anderson, D. S. Balser, T. M. Bania, and T. V. **Wenger**. H II Region Ionization of the Interstellar Medium: A Case Study of NGC 7538. *Astrophysical Journal*, 824:125, June 2016.
- [15] L. D. Anderson, W. P. Armentrout, B. M. Johnstone, T. M. Bania, D. S. Balser, T. V. **Wenger**, and V. Cunningham. Finding Distant Galactic HII Regions. *Astrophysical Journal Supplement Series*, 221:26, December 2015.
- [16] L. D. Anderson, L. A. Hough, T. V. **Wenger**, T. M. Bania, and D. S. Balser. Untangling the Recombination Line Emission from H II Regions with Multiple Velocity Components. *Astrophysical Journal*, 810:42, September 2015.
- [17] D. S. Balser, T. V. **Wenger**, L. D. Anderson, and T. M. Bania. Azimuthal Metallicity Structure in the Milky Way Disk. *Astrophysical Journal*, 806:199, June 2015.
- [18] L. D. Anderson, T. M. Bania, D. S. Balser, V. Cunningham, T. V. **Wenger**, B. M. Johnstone, and W. P. Armentrout. The WISE Catalog of Galactic H II Regions. *Astrophysical Journal Supplement Series*, 212:1, May 2014.
- [19] T. V. **Wenger**, T. M. Bania, D. S. Balser, and L. D. Anderson. The Green Bank Telescope H II Region Discovery Survey. IV. Helium and Carbon Recombination Lines. *Astrophysical Journal*, 764:34, February 2013.

## Other Publications

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- [1] L. D. Anderson, W. P. Armentrout, T. M. Bania, D. S. Balser, M. Luisi, T. V. **Wenger**, and D. A. Roshi. HII Regions and the Warm Ionized Medium. *Astro2020: Decadal Survey on Astronomy and Astrophysics, science white papers*, 51(3):137, May 2019.
- [2] D. S. Balser, L. D. Anderson, T. M. Bania, J. M. Dickey, D. Anish Roshi, T. V. **Wenger**, and T. L. Wilson. Science with an ngVLA: Radio Recombination Lines from HII Regions. *Science with a Next-Generation VLA*, October 2018.

## Published Software

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- [1] T. V. **Wenger**. WISP: Wenger Interferometry Software Package. Astrophysics Source Code Library, December 2018.
- [2] T. **Wenger** and C. Wiens. MillCgs: Searching for Compact Groups in the Millennium Simulation. Astrophysics Source Code Library, November 2018.
- [3] T. V. **Wenger**, D. S. Balsler, L. D. Anderson, and T. M. Bania. KDUtills: Kinematic Distance Utilities. Astrophysics Source Code Library, December 2017.
- [4] T. V. **Wenger**, A. K. Kepley, and D. S. Balsler. HRM: HII Region Models. Astrophysics Source Code Library, July 2017.
- [5] T. Bania, T. **Wenger**, D. Balsler, and L. Anderson. TMBIDL: Single dish radio astronomy data reduction package. Astrophysics Source Code Library, May 2016.

## Competitive Observing Proposals

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2019	<b>PI: Resolving the Distance Ambiguity for SHRDS HII Regions</b> Rated 4.2/5.0: 12 hours	<a href="#">ATCA</a>
2018	<b>Co-I: Galactic Chemical Structure in the Southern Sky: A Pilot Project</b> C-rated: 0.7 hour	<a href="#">ALMA</a>
2017	<b>Co-I: The GBT Diffuse Ionized Gas Survey (GDIGS)</b> Large Filler Project: 368 hours	<a href="#">GBT</a>
2017	<b>PI: Molecular Clouds in the Outer Scutum-Centaurus Arm</b> Awarded 40 hours	<a href="#">ARO 12-m</a>
2016	<b>PI: Molecular Clouds in the Outer Scutum-Centaurus Arm</b> Awarded 47 hours	<a href="#">ARO 12-m</a>
2016	<b>Co-I: Star Formation, Ionized Gas, and the Milky Way Bar</b> C-rated: 30 hours	<a href="#">GBT</a>
2015	<b>Co-I: The Southern HII Region Discovery Survey</b> Rated 3.7/5.0, 4.0/5.0, and 4.1/5.0: 900 hours	<a href="#">ATCA</a>
2015	<b>Co-I: NH<sub>3</sub> Observations of Outer Scutum Centaurus Sources : Round Two</b> A-rated: 10 hours	<a href="#">GBT</a>
2015	<b>Co-I: Star Formation, Ionized Gas, and the Milky Way Bar</b> C-rated: 25 hours	<a href="#">GBT</a>
2015	<b>Co-I: Is the Milky Way a Grand Design Spiral?</b> A-rated: 5.5 hours, C-rated: 16.5 hours	<a href="#">JVLA</a>
2015	<b>PI: Metallicity Structure in the Milky Way Disk</b> A-rated: 30 hours	<a href="#">JVLA</a>
2014	<b>Co-I: The Lost Diffuse HII Regions</b> A-rated: 53 hours	<a href="#">GBT</a>
2014	<b>Co-I: Star Formation, Ionized Gas, and the Milky Way Bar</b> C-rated: 25 hours	<a href="#">GBT</a>

2014	<b>Co-I: Finding the Most Distant Galactic Star Formation Regions</b> B-rated: 42 hours	JVLA
2013	<b>Co-I: The WISE Extension of the HRDS</b> A-rated: 50 hours	GBT
2013	<b>Co-I: The Lost Diffuse HII Regions</b> A-rated: 53 hours	GBT
2013	<b>Co-I: Transgalactic Abundances in the Milky Way Disk</b> B-rated: 5 hours	JVLA
2013	<b>Co-I: How Many Ultra-Compact HII Regions Are There in the Milky Way?</b> C-rated: 20 hours	JVLA
2012	<b>Co-I: A WISE Extension of the HRDS?</b> B-rated: 50 hours	GBT

## Skills

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<b>Languages</b>	English (Native), French (Intermediate)
<b>Programming</b>	Python, C/C++, Java, IDL
<b>Scripting</b>	BASH, TCSH
<b>Web</b>	HTML/HTML5, PHP, CSS, Javascript/JQuery
<b>Software</b>	TEX, EMACS, CASA, IRAF, Radex, GNUplot
<b>Operating Systems</b>	Linux (Ubuntu, RedHat, CentOS), Mac, Windows
<b>Telescopes</b>	Green Bank Telescope (GBT), Jansky Very Large Array (JVLA), Arizona Radio Observatory (ARO) 12-m, Australia Telescope Compact Array (ATCA), Atacama Large Millimeter/sub-millimeter Array (ALMA), Apache Point Observatory 3.5-m

## Research Grants

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2019–Present	<b>Covington Postdoctoral Fellowship</b> Dominion Radio Astrophysical Observatory	Penticton, BC
2017–2018	<b>Graduate Research Fellowship</b> Virginia Space Grant Consortium	Charlottesville, VA
2016–2018	<b>Grote Reber Doctoral Fellowship</b> National Radio Astronomy Observatory	Charlottesville, VA
2016	<b>Raven Fellowship</b> Raven Society	Charlottesville, VA
2016–2017	<b>Graduate Research Fellowship</b> Virginia Space Grant Consortium	Charlottesville, VA
2016–2017	<b>ARCS Scholarship</b> Achievement Rewards for College Scientists Foundation	Washington, D.C.
2013–2019	<b>D.N. Batten Foundation Jefferson Fellowship</b> Jefferson Scholars Foundation	Charlottesville, VA
2012–2013	<b>Undergraduate Research Outreach Program Award</b>	Boston, MA

- 2012 Boston University  
**NSF Research Experiences for Undergraduates** *Charlottesville, VA*  
National Radio Astronomy Observatory
- 2011 **NSF Research Experiences for Undergraduates** *Puerto Rico*  
Arecibo Observatory

## Honors & Awards

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- 2019 **Raven Award** *Charlottesville, VA*  
Raven Society
- 2018 **Chambliss Astronomy Achievement Award** *Washington, D.C.*  
231st American Astronomical Society Meeting
- 2016 **Laurence W. Fredrick Teaching Award** *Charlottesville, VA*  
University of Virginia
- 2015 **First Place Award and Scholarship** *Charlottesville, VA*  
Huskey Research Exhibition
- 2015 **Inductee** *Charlottesville, VA*  
Raven Society
- 2014 **Second Place Award and Scholarship** *Charlottesville, VA*  
Huskey Research Exhibition
- 2013 **College Prize in Astronomy** *Boston, MA*  
Boston University
- 2013 **Institute for Astrophysical Research Prize** *Boston, MA*  
Boston University
- 2009–2013 **Dean's List** *Boston, MA*  
Boston University

## Professional Society Membership

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- 2018–2019 **Junior Member** *Charlottesville, VA*  
UVA Society of Fellows, philanthropic organization
- 2017–2018 **President** *Charlottesville, VA*  
Raven Society, prestigious UVA honor society
- Since 2015 **Member** *Charlottesville, VA*  
Raven Society, prestigious UVA honor society
- Since 2013 **Member** *Boston, MA*  
Phi Beta Kappa
- Since 2011 **Member** *USA*  
American Astronomical Society
- 2010–2012 **President** *Boston, MA*  
Boston University Astronomical Society
- 2009–2013 **Member** *Boston, MA*  
Boston University Astronomical Society

## Teaching Experience

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2016	<b>Teaching Assistant</b> Introduction to Cosmology (Undergraduate)	UVA
2016	<b>Teaching Assistant</b> Research Methods in Astrophysics (Undergraduate)	UVA
2015	<b>Teaching Assistant</b> Observational Astronomy (Graduate)	UVA
2015	<b>Teaching Assistant</b> Introduction to Cosmology (Undergraduate)	UVA
2014	<b>Teaching Assistant</b> Observational Astronomy (Undergraduate)	UVA
2014	<b>Instructor</b> Stars, Galaxies, and the Universe (Undergraduate)	UVA

## Research Mentoring Experience

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2018	<b>Summer Student: Maryam Hami</b> Project: <i>Is the Milky Way a Grand Design Spiral?</i>	NRAO
2017	<b>Summer Student: Wesley Red</b> Project: <i>Probing the Galactic Structure of the Milky Way with HII Regions</i>	NRAO
2016	<b>Summer Student: Jeanine Shea</b> Project: <i>Southern H+ Region Discovery Survey</i>	NRAO
2015–2018	<b>Undergraduate Student: Nicholas Ferraro</b> Thesis: <i>Investigating the Edge of High Mass Star Formation in the Milky Way Galaxy</i>	UVA
2015–2018	<b>Undergraduate Student: Asad Khan</b> Thesis: <i>Investigating Molecular Cloud Physical Properties in the Milky Way Galaxy</i>	UVA
2015	<b>Summer Student: Jonathan Barnes</b> Project: <i>Probing Metallicity Structure across the Milky Way Disk with the VLA</i>	NRAO

## Outreach & Service

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2018–2019	<b>Lead Organizer</b> Astronomy on Tap Charlottesville, community outreach program	Charlottesville, VA
2018	<b>Organizer</b> Bob Rood Memorial Research Symposium	Charlottesville, VA
2017–2018	<b>President</b> Raven Society	Charlottesville, VA
2017	<b>Chair</b> Gray-Carrington Memorial Fellowship Committee	Charlottesville, VA
2017	<b>Member</b>	Charlottesville, VA

2017	UVA Astronomy Graduate Admissions Committee <b>Organizer</b>	Charlottesville, VA
2016–2019	Bob Rood Memorial Research Symposium <b>Member</b>	Charlottesville, VA
2016	Raven Society Leadership Council <b>Volunteer Speaker</b>	Charlottesville, VA
2015	Charlottesville Astronomical Society <b>Organizer</b>	Charlottesville, VA
2013–2019	Forum for Interdisciplinary Dialogue Research Symposium <b>Co-founder</b>	Charlottesville, VA
2013–2019	Astronomy Undergraduate Mentorship Program <b>Volunteer Webmaster</b>	Charlottesville, VA
2013–2019	UVA Astronomy Department <b>Volunteer</b>	Charlottesville, VA
2013–2019	Dark Skies, Bright Kids, community outreach program <b>Volunteer and Speaker</b>	Charlottesville, VA
2010–2012	Charlottesville-area observatory open houses <b>President</b>	Boston, MA
2009–2013	Boston University Astronomical Society <b>Member</b>	Boston, MA
	Boston University Astronomical Society	

## Invited Talks

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Oct. 2019	<b>Colloquium</b> Green Bank Observatory	Green Bank, WV
Sep. 2019	<b>Invited Talk</b> The Self-Organized Star Formation Process	Paris, FR
Sep. 2018	<b>SMA Seminar</b> Center for Astrophysics	Cambridge, MA
Apr. 2018	<b>Research Symposium</b> Virginia Space Grant Consortium Research Conference	Norfolk, VA
Mar. 2018	<b>Research Symposium</b> Bob Rood Memorial Symposium	Charlottesville, VA
May 2017	<b>Lunch Talk</b> University of Tasmania	Hobart, TAS
Apr. 2017	<b>Research Symposium</b> Virginia Space Grant Consortium Research Conference	Williamsburg, VA
Apr. 2017	<b>Research Symposium</b> ARCS Foundation Metro-Washington D.C. Chapter	Charlottesville, VA
Mar. 2017	<b>Research Symposium</b> Bob Rood Memorial Research Symposium	Charlottesville, VA
Nov. 2016	<b>Lunch Talk</b> Boston University	Boston, MA
Oct. 2016	<b>Research Symposium</b>	Washington, D.C.



	ARCS Metro-Washington D.C. Chapter, National Academy of Sciences	
Sep. 2016	<b>Lunch Talk</b> National Radio Astronomy Observatory	<a href="#">Charlottesville, VA</a>
Apr. 2016	<b>Invited Talk</b> Charlottesville Astronomical Society	<a href="#">Charlottesville, VA</a>
Oct. 2015	<b>Research Symposium</b> Bob Rood Memorial Symposium	<a href="#">Charlottesville, VA</a>
Feb. 2015	<b>Research Symposium</b> Jefferson Scholars Foundation	<a href="#">Charlottesville, VA</a>

## Professional References

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<b>Dr. Dana Balsler</b>	National Radio Astronomy Observatory +1 (434) 296-0242 <a href="mailto:dbalsler@nrao.edu">dbalsler@nrao.edu</a>
<b>Prof. Thomas Bania</b>	Boston University +1 (617) 353-3652 <a href="mailto:bania@bu.edu">bania@bu.edu</a>
<b>Prof. Kelsey Johnson</b>	University of Virginia +1 (434) 924-4349 <a href="mailto:kej7a@virginia.edu">kej7a@virginia.edu</a>

## Conference Proceedings

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- [1] M. Hami, D. Balsler, T. V. **Wenger**, and L. Bania, T. Anderson. Is The Milky Way A Grand Design Spiral? In *American Astronomical Society Meeting Abstracts #233*, volume 233 of *American Astronomical Society Meeting Abstracts*, page 252.12, January 2019.
- [2] M. Luisi, T. Bania, L. Anderson, B. Liu, D. Balsler, L. M. Haffner, and T. V. **Wenger**. The W43 Complex in Radio Recombination Line Emission - First Results from GDIGS. In *American Astronomical Society Meeting Abstracts #233*, volume 233 of *American Astronomical Society Meeting Abstracts*, page 232.05, January 2019.
- [3] J. Villadsen, C. R. Hayes, M. Pryal, R. F. Wilson, S. E. Liss, A. Taylor, L. Beale, Z.-Y. Lin, X. Huang, D. Hancock, W. Richardson, M. Liu, B. Eisner, R. Seifert, E. Cohen, Y. Song, S. Gustitus, R. Mazzei, H. Lewis, M. Finn, A. Matthews, D. Bordenave, A. M. Burkhardt, K. E. Johnson, S. Linden, N. James, B. Mills, L. Bittle, H. Richstein, and T. V. **Wenger**. Dark Skies, Bright Kids! - Year 10. In *American Astronomical Society Meeting Abstracts #233*, volume 233 of *American Astronomical Society Meeting Abstracts*, page 147.09, January 2019.
- [4] T. V. **Wenger**, C. Jordan, J. Dawson, T. Bania, L. Anderson, J. Dickey, J. Shea, N. McClure-Griffiths, W. Armentrout, and D. Balsler. The Southern HII Region Discovery Survey. In *American Astronomical Society Meeting Abstracts #233*, volume 233 of *American Astronomical Society Meeting Abstracts*, page 311.02, January 2019.
- [5] D. S. Balsler, T. V. **Wenger**, T. M. Bania, and L. D. Anderson. Metallicity Structure across the Galactic Disk: Radio Observations of H II Regions. In C. Chiappini, I. Minchev, E. Starckenburg,

and M. Valentini, editors, *Rediscovering Our Galaxy*, volume 334 of *IAU Symposium*, pages 275–276, August 2018.

- [6] T. V. **Wenger**, D. S. Balsler, L. D. Anderson, and T. M. Bania. Structure in the Milky Way. In C. Chiappini, I. Minchev, E. Starkenburg, and M. Valentini, editors, *Rediscovering Our Galaxy*, volume 334 of *IAU Symposium*, pages 381–382, August 2018.
- [7] W. P. Armentrout, L. Anderson, T. V. **Wenger**, D. Balsler, and T. Bania. A Complete VLA Census of the ~7000 Milky Way HII Regions. In *American Astronomical Society Meeting Abstracts #231*, volume 231 of *American Astronomical Society Meeting Abstracts*, page 445.04, January 2018.
- [8] A. M. Burkhardt, A. M. Matthews, K. E. Johnson, I. Avilez, L. Beale, L. E. Bittle, D. Bordenave, M. Finn, A. Firebaugh, D. Hancock, P. Hughes, C. Rochford Hayes, H. Lewis, S. Linden, S. Liss, M. Liu, S. McNair, E. Murphy, B. Prager, M. Pryal, W. Richardson, Y. Song, N. Troup, J. Villadsen, T. V. **Wenger**, and R. F. Wilson. Dark Skies, Bright Kids Year 9. In *American Astronomical Society Meeting Abstracts #231*, volume 231 of *American Astronomical Society Meeting Abstracts*, page 360.01, January 2018.
- [9] N. Ferraro, T. V. **Wenger**, A. Khan, D. Balsler, W. P. Armentrout, L. D. Anderson, and T. Bania. Carbon Monoxide Observations Toward Star Forming Regions in the Outer Scutum-Centaurus Spiral Arm. In *American Astronomical Society Meeting Abstracts #231*, volume 231 of *American Astronomical Society Meeting Abstracts*, page 247.18, January 2018.
- [10] B.-C. Koo, G. Park, W.-T. Kim, M. G. Lee, D. Balsler, and T. **Wenger**. A New HI Face-on Map of the Outer Milky Way. In *American Astronomical Society Meeting Abstracts #231*, volume 231 of *American Astronomical Society Meeting Abstracts*, page 237.04, January 2018.
- [11] B. Liu, L. D. Anderson, M. Luisi, D. Balsler, T. Bania, T. **Wenger**, L. M. Haffner, R. Minchin, A. Roshi, E. Churchwell, Y. Terzian, T. McIntyre, M. Lebron, and G. T. SIGGMA Team. Radio Recombination Line Surveys of the inner Galactic Plane: SIGGMA and GDIGS. In *American Astronomical Society Meeting Abstracts #231*, volume 231 of *American Astronomical Society Meeting Abstracts*, page 247.31, January 2018.
- [12] M. Luisi, L. D. Anderson, B. Liu, T. Bania, D. Balsler, T. **Wenger**, and L. M. Haffner. The GBT Diffuse Ionized Gas Survey (GDIGS). In *American Astronomical Society Meeting Abstracts #231*, volume 231 of *American Astronomical Society Meeting Abstracts*, page 230.06, January 2018.
- [13] W. A. Red, T. V. **Wenger**, D. Balsler, L. Anderson, and T. Bania. Probing the Galactic Structure of the Milky Way with H II Regions. In *American Astronomical Society Meeting Abstracts #231*, volume 231 of *American Astronomical Society Meeting Abstracts*, page 247.07, January 2018.
- [14] T. V. **Wenger**, J. M. Dickey, C. H. Jordan, D. Balsler, W. P. Armentrout, L. Anderson, T. Bania, J. Dawson, N. M. McClure-Griffiths, and J. Shea. The Southern HII Region Discovery Survey: The Bright Catalog. In *American Astronomical Society Meeting Abstracts #231*, volume 231 of *American Astronomical Society Meeting Abstracts*, page 247.25, January 2018.
- [15] L. E. Bittle, T. **Wenger**, K. E. Johnson, D. Angell, A. Burkhardt, B. Davis, A. Firebaugh, D. Hancock, W. Richardson, C. Rochford Hayes, S. Linden, S. Liss, A. Matthews, S. McNair, B. Prager, M. Pryal, and N. W. Troup. Dark Skies, Bright Kids Year 8. In *American Astronomical Soci-*

ety Meeting Abstracts, volume 229 of *American Astronomical Society Meeting Abstracts*, page 335.09, January 2017.

- [16] J. Shea, T. **Wenger**, D. S. Balser, L. D. Anderson, W. P. Armentrout, T. M. Bania, J. Dawson, J. Miller Dickey, C. Jordan, and N. M. McClure-Griffiths. The Southern HII Region Discovery Survey: Preliminary Results. In *American Astronomical Society Meeting Abstracts*, volume 229 of *American Astronomical Society Meeting Abstracts*, page 340.26, January 2017.
- [17] T. **Wenger**, D. S. Balser, L. D. Anderson, and T. M. Bania. Metallicity Structure in the Milky Way Disk. In *American Astronomical Society Meeting Abstracts*, volume 229 of *American Astronomical Society Meeting Abstracts*, page 340.07, January 2017.
- [18] T. V. **Wenger**, C. D. Wiens, K. E. Johnson, S. C. Gallagher, and P. Tzanavaris. The Importance of Compact Group Environments over Cosmic Time. In *Mapping the Pathways of Galaxy Transformation Across Time and Space*, August 2016.
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