

Robin Chisholm

3304 Chamberlin Hall
1150 University Ave
Madison, WI 53706

rschisholm@wisc.edu

EDUCATION	University of Wisconsin-Madison , Madison, WI <i>Doctorate of Philosophy, Physics</i>	<i>currently enrolled</i>
	Texas A&M University , College Station, TX <i>Bachelor of Science, Physics, summa cum laude</i>	May 2022
PAPERS	Chisholm, Robin . D’Onghia, Elena, Libeskind, Noam. Lucchini, Scott., Fox, Andy. Steinmetz, Matthias. “A Pre-Infall Magellanic-analog dwarf– insights from the HESTIA simulations”. [submitted to <i>APJ</i> , in review]	
	Porter, Troy. Strigari, Louis. Chisholm, Robin . et al. “3D Dust Extinction Maps and Cosmic Rays from OB Stars”. [in development]	
TALKS	R. Chisholm, E. D’Onghia, N. Libeskind. “Simulations of Dwarf Galaxies– The Magellanic Clouds in a cosmological context”. <i>2025 Wisconsin Space Grant Consortium Conference</i> . Green Bay WI, United States. August 2025.	
	R. Chisholm, E. D’Onghia, N. Libeskind. S. Lucchini, A. Fox, Matthias Steinmetz. “A Pre-infall Magellanic Analog– Insights from the HESTIA Simulations”. <i>2025 CLUES Collaboration Meeting</i> . Potsdam, Germany. June 2025.	
	R. Chisholm, E. D’Onghia, N. Libeskind. S. Lucchini, A. Fox, Matthias Steinmetz. “A Pre-infall Magellanic Analog– Insights from the HESTIA Simulations” [poster]. <i>XMC II Clouds over Yellowstone</i> . Bozeman MT, United States [attended remotely]. June 2025.	
	R. Chisholm, E. D’Onghia. “The complicated beauty of dwarf galaxies: how they grow and evolve”. <i>Catalysts for Science Policy, Graduate Student Showcase</i> . Madison, Wisconsin. 30 Apr 2025.	
	R. Chisholm, E. D’Onghia, N. Libeskind. A. Fox, S. Lucchini. “Magellanic Stream and HESTIA cosmological simulations”. <i>CLUES 2024 Collaboration Meeting</i> . Warszawa, Poland. June 2024.	
	R. Chisholm and L. Strigari. “Extension of local spiral structure based on massive OB stars to Gaia EDR3”. <i>2021 Joint Spring Meeting of the Texas Sections of APS, AAPT, and Zone 13 of the SPS</i> . 10 Apr 2021.	
	R. Chisholm and L. Strigari. “Extension of local spiral structure based on massive OB stars to Gaia EDR3”. <i>2021 Joint Spring Meeting of the Texas Sections of APS, AAPT, and Zone 13 of the SPS</i> . 22 Oct 2021.	
TEACHING	University of Wisconsin-Madison Substitute Lecturer Astronomy 335 – Cosmology	November 2024
	University of Wisconsin-Madison Graduate Teaching Assistant Physics 103, 104, 248, 307, 321	August 2022 - <i>current</i>

Texas A&M University
Undergraduate Teaching Fellow
Physics 216, 217; Engineering 216, 217

January 2020 - May 2022

Private Tutor
TAMU Physics 201, 202, 206, 207;
UW Physics 103, 104, 201, 202, 207, 208

August 2019 - *current*

AWARDS

2025 WSGC Graduate & Professional Research Fellowship (RFP25 7-0), 2024 WSGC Graduate & Professional Research Fellowship (RFP24 5-0)

Marianne E. '76 & Robert W. '77 Hamm Endowed Scholarship, Ellison Miles Scholarship, G. Rollie White Scholarship for Academic Excellence, Willard and Anne Levine Foundation Endowed Scholarship, Randall C. Shepard '71 Endowed Scholarship in Astrophysics, Philip and Doris Moses Ranch Fund Scholarship, Texas Aggie Grant, Aggie Mothers' Scholarship, Texas APS Outstanding Presentation Award, Andrew J. Cantrell '91 Endowed Aggie Ring Scholarship, Incoming Graduate Student Departmental Scholarship

COMPUTER SKILLS

Languages: Python, SQL, L^AT_EX
Web Development: HTML, JavaScript
Applications: Mathematica, DS9, TOPCAT, Jupyter Notebook, PyCharm

UNPUBLISHED WORKS

R. Chisholm. *Age estimate of novel white dwarf open cluster with abnormal proper motions*. Undergraduate Research Scholars Program. *OAKTrust Repository*. 4 Apr 2022. ; R. Chisholm. D. Carona. *Spectral measurements of A- to M-type stars and M42*. 9 May 2022. ; R. Chisholm, A. Shayit. *Fundamentals and dynamics in electrodynamics with monopoles*. Apr 2021. ; Y. Alam, A. Behne, R. Chisholm, J. Compton. *Green functions in electrostatics*. Dec 2020.

OUTREACH

University of Wisconsin-Madison: Physics Graduate Student Council, Chair of Recruit and Welcome; Gender Minorities and Women in Physics; UW Workers Strike Back; Rivendell Cooperative

Texas A&M University: Physics and Engineering Festival; DEEP Program, Astrophysics Subcommittee; Society of Physics Students; College of Science Peer Mentor; Phi Kappa Phi; MSC Freshmen Leadership International, Assistant Director, Internal Affairs Subcommittee; New Student Conferences, Student Assistant; Dept of Astronomy Star Parties; Astronomy on Tap, College Station

AFFILIATIONS

University of Wisconsin-Madison Dept of Physics, University of Wisconsin-Madison Dept of Astronomy, Constrained Local Universe Simulations (CLUES) Collaboration, Sloan Digital Sky Survey– Large Volume Mapper (LVM)

[all former] Texas A&M University Dept of Physics & Astronomy, Texas A&M University College of Engineering, Texas A&M University Dept of Mathematics, Sloan Digital Sky Survey V, Dark Energy Survey, TAMU ZFourge Survey, Texas A&M University Observatory, Phi Kappa Phi Honors Society