

Robin S Chisholm

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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, “Coronal Gas in Magellanic-Analog dwarfs: Insights from the <i>Hestia</i> simulations”. [submitted to <i>APJL</i>]
	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. “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.
	<i>Invited Speaker</i> – 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 November 2024 Astronomy 335 – Cosmology
	University of Wisconsin-Madison Graduate Teaching Assistant August 2022 - <i>current</i> Physics 103, 104, 248, 307, 321
	Texas A&M University Undergraduate Teaching Fellow January 2020 - May 2022 Physics 216, 217; Engineering 216, 217
	Private Tutor August 2019 - <i>current</i> TAMU Physics 201, 202, 206, 207; UW Physics 103, 104, 201, 202, 207, 208
AWARDS	2024 WSGC Graduate & Professional Research Fellowship (RFP24 5-0), 2025 WSGC Graduate & Professional Research Fellowship (RFP25 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

SELECTED 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

[all former] Texas A&M University Dept of Physics & Astronomy (former), 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