

CLAIRE RIGGS

✉ riggs@physics.rutgers.edu 📧 clriggs

🆔 0000-0001-8894-5671

Research Interests

dwarf galaxies, star formation, cosmological simulations, machine learning

Education

Rutgers, The State University of New Jersey

September 2020 – present

Ph.D. Candidate

University of Oklahoma

August 2016 – May 2020

Bachelors of Science (Astrophysics)

Bachelors of Arts (Sociology)

Experience

Graduate Research Assistant

September 2020 – present

Rutgers, the State University of New Jersey

Piscataway, NJ

Undergraduate Research Assistant

August 2018 – May 2020

University of Oklahoma

Norman, OK

NSF REU student

May 2019 – August 2019

Kansas State University

Manhattan, KS

Grants and Awards

University of Oklahoma, *Duane E. Roller Award for Outstanding Scholarship in Physics and Astronomy* 2019

University of Oklahoma, *William Schriever Award for Outstanding Scholarship in Physics and Astronomy* 2018

University of Oklahoma, *National Merit Scholar, \$124,000* 2016 – 2020

Advising and Mentoring

Near-peer mentor, *Tehreem Hai* 2023 – present

Service

Rutgers Minorities in Physics and Astronomy President 2023 – present

N-body Shop Code of Conduct Committee Member 2023 – present

Rutgers Minorities in Physics and Astronomy Vice President 2022 – 2023

Rutgers Astronomy Department Journal Club Co-Organizer 2022 – 2023

Rutgers AAUPT Union Representative 2022 – present

Astronomy Grad Student Recruiting Contact 2022

Teaching and Outreach

Course Instructor, *Intro Astronomy for Non-majors (Rutgers)* Spring 2023

Rutgers Equity & Inclusion Journal Club Guest Speaker, *Institutional Biases in Higher Education* Fall 2022

Recitation TA, *Analytical Physics IIA for Engineering (Rutgers)* Fall 2021

Lab TA, *General Physics I for Life Sciences (Rutgers)* Fall 2020 & Spring 2021

Lunar Sooners Member (*University of Oklahoma*) 2016 – 2018

Talks and Posters († Invited)

Talk, *Galactic Frontiers: Dwarf Galaxies in the Local Volume and Beyond* 2023

Poster, *AAS 241st Meeting Talk, CCA Galaxies Group Meeting* 2022

† Rutgers Equity & Inclusion Journal Club Guest Speaker, *Institutional Biases in Higher Education* Fall 2022

Talk, *APS Mid-Atlantic Section Meeting* 2021

Publications

2. Environment Matters: Predicted Differences in the Stellar Mass-Halo Mass Relation and History of Star Formation for Dwarf Galaxies Christensen, C. R., Brooks, A., Munshi, F., **Riggs, C.**, Van Nest, J., Akins, H., Quinn, T., Chamberland, L., 2023, submitted to *AAS*
1. Stellar metallicity gradients of Local Group dwarf galaxies (Corrigendum) Taibi, S., Battaglia, G., Leaman, R., Brooks, A., **Riggs, C.**, Munshi, F., Revaz, Y. and Jablonka, P., 2023, *A&A*, 671:C2.