

Margaret Verrico
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Education

University of Illinois Urbana-Champaign, Urbana, Illinois 2022-Present
Ph.D. Student in Astronomy, degree in progress
M.S. in Astronomy, August 2024
CITL Graduate Teaching Certificate 2023, Graduate College Mentoring Certificate 2024

University of Pittsburgh, Pittsburgh, Pennsylvania 2017-2021
B.S. – Physics, magna cum laude

Awards and Scholarships

Center for Astrophysical Surveys Graduate Fellowship, Fall 2024-Summer 2025
NSF Graduate Research Fellowship Honorable Mention, Spring 2024
NASA Illinois Space Grant Graduate Fellowship, Fall 2023-Spring 2024
NASA Pennsylvania Space Grant, Spring 2019, Summer 2020, Fall 2020, Spring 2021
University of Pittsburgh full tuition academic scholarship, 2017-2021

First & Second-Author Publications

1. *Merger Signatures are Common, but not Universal, in Massive, Recently-Quenched Galaxies at $z \sim 0.7$*

Margaret E. Verrico, David J. Setton, Rachel Bezanson, Jenny E. Greene, Katherine A. Suess, Andy D. Goulding, Justin S. Spilker, Mariska Kriek, Robert Feldmann, Desika Narayanan, Vincenzo Donofrio, Gourav Khullar
The Astrophysical Journal, 2023

2. *The Origin and Evolution of Compact Massive $z \sim 0.7$ Post-Starburst Galaxies in the SQuIGGLE Survey*

David J. Setton, **Margaret E. Verrico**, Rachel Bezanson, Jenny E. Greene, Katherine A. Suess, Robert Feldmann, Andy D. Goulding, Khalil Hall-Hooper, Erin Kado-Fong, Mariska Kriek, Desika Narayanan, Justin S. Spilker
The Astrophysical Journal, 2022.

Other Publications

1. *Fading AGN in Post-Starburst Galaxies*

K. Decker French, Nicholas Earl, Annemarie B. Novack, Bhavya Pardasani, Vismaya R. Pillai, Akshat Tripathi, **Margaret E. Verrico**
The Astrophysical Journal, 2023

2. *Star Formation Suppression by Tidal Removal of Cold Molecular Gas from an Intermediate-Redshift Massive Post-Starburst Galaxy*

Justin S. Spilker, Katherine A. Suess, David J. Setton, Rachel Bezanson, Robert Feldmann, Jenny E. Greene, Mariska Kriek, Sidney Lower, Desika Narayanan, **Margaret E. Verrico**
The Astrophysical Journal, 2022.

3. *SQuIGGLE: Studying Quenching in Intermediate- z Galaxies— Gas, Angular Momentum, and Evolution*

Katherine A. Suess, Mariska Kriek, Rachel Bezanson, Jenny E. Greene, David Setton, Justin S. Spilker, Robert Feldmann, Andy D. Goulding, Benjamin D. Johnson, Joel Leja, Desika Narayanan, Khalil Hall-Hooper, Qiana Hunt, Sidney Lower, **Margaret E. Verrico**
The Astrophysical Journal, 2022.

4. *Now you see it, now you don't: Star formation truncation precedes the loss of molecular gas by ~ 100 Myr in massive post-starburst galaxies at $z \sim 0.6$*

Rachel Bezanson, Justin S. Spilker, Katherine A. Suess, David J. Setton, Robert Feldmann, Jenny E. Greene, Mariska Kriek, Desika Narayanan, **Margaret E. Verrico**
The Astrophysical Journal, 2022.

Talks and Poster Presentations

1. *Star-Formation Histories of Changing-Look AGN Host Galaxies*

Margaret Verrico, K. Decker French

Talk, Tidal Disruption Events and Nuclear Transients: Entering the Data-Rich Era, Fall 2024
Aquila Atlantis hotel, Heraklion, Crete, Greece

1. *Star-Formation Histories of Changing-Look AGN Host Galaxies*

Margaret Verrico, K. Decker French

Poster, Astrofest, Spring 2024

University of Illinois Urbana-Champaign, Champaign, IL

2. *Star-Formation Histories of Changing-Look AGN Host Galaxies*

Flash Talk, Young Astronomers on Galactic Nuclei, Fall 2023

Istituto di Astrofisica Spaziale e Fisica Cosmica, Palermo, Italy

3. *Star-Formation Histories of Changing-Look AGN*

Talk, Journal Club, Fall 2023

University of Illinois Urbana-Champaign, Champaign, IL

4. *Merger Signatures in Post-Starburst Galaxies at $z \sim 0.7$*

Talk, Journal Club, Spring 2023

University of Illinois Urbana-Champaign, Champaign, IL

5. *Merger Signatures are Common, but not Universal, in Massive, Recently-Quenched Galaxies at $z \sim 0.7$*

Margaret Verrico, David J. Setton, Rachel Bezanson

Poster, Astrofest, Spring 2023

University of Illinois Urbana-Champaign

6. *Mass-Size Relation of Post-Starburst Galaxies from the SQuIGGLE Survey*

Margaret Verrico, David J. Setton, Rachel Bezanson

Undergraduate Poster Session Spring 2019

University of Pittsburgh

Teaching

Teaching Assistant, *Solar Systems and Worlds Beyond*, Spring 2023

Teaching Assistant, *Stars and Galaxies*, Fall 2022

Science Instructor, People's Park Summer Camp, Summer 2022

Private Tutor, *Basic Physics for Science and Engineering II*, Spring 2019

Undergraduate Teaching Assistant, *Basic Physics for Science and Engineering I*, Fall 2018

Proficiencies

Trained for remote observing on DECam

Trained for use of the National Center for Supercomputing Applications campus cluster at UIUC

Proficient in Prospector Stellar Population Synthesis software

Outreach & Mentoring

Girls' Astronomy Summer Camp Director, Summer 2023 and 2024

Undergraduate Research Apprenticeship Program Mentor, Spring 2024

Society for Equity in Astronomy Graduate Mentor, Fall 2023-Present

Society for Equity in Astronomy Chair, Fall 2023-Summer 2024

Science Olympiad State and Regional Division B Event Coordinator, 2023-2024