

Erik J. Wasleske

PHD CANDIDATE · DEPT. OF PHYSICS AND ASTRONOMY

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Education

Washington State University

PHD PHYSICS

• Thesis: *Construction and Analysis of an Active Dwarf Galaxies Database* | Advisor: Dr. Vivienne Baldassare

Pullman, WA

Aug. 2019 - present

Washington State University

MS PHYSICS

• Advisor: Dr. Vivienne Baldassare

Pullman, WA

Aug. 2019 - Dec. 2021

University of Minnesota - Twin Cities

BS PHYSICS - PROFESSIONAL STUDIES

• Minor in Mathematics

Minneapolis, MN

Aug. 2015 - May 2019

University of Minnesota - Twin Cities

BS ASTROPHYSICS

• Thesis: *Lensed Supernova Polarimetry* | Advisor: Dr. Patrick Kelly

Minneapolis, MN

Aug. 2015 - May 2019

Professional Experience

2021 -

Present

Graduate Research Assistant, Dept. of Physics and Astronomy, Washington State University

2018-2019

Undergraduate Teaching Assistant, Minnesota Institute for Astrophysics, University of Minnesota

Publications

FIRST-AUTHOR PUBLICATIONS

Wasleske, Erik J. and Baldassare, Vivienne F. 2024, ApJ submitted. "Active Dwarf Galaxy Database I: Overlap between active galactic nuclei selected by different techniques".

Wasleske, Erik J. and Baldassare, Vivienne F. 2023, AJ, 166, 64. "X-ray Emissions of Ultraviolet Variable Active Galactic Nucleus Candidates".

Wasleske, Erik J., Baldassare, Vivienne F., Carroll, Christopher M. 2022, ApJ, 933, 37. "Variable Active Galactic Nuclei in the Galaxy Evolution Explorer Time Domain Survey".

CO-AUTHOR PUBLICATIONS

Luo, Yei, et al. *including Wasleske, Erik J.* 2023, MNRAS accepted, arXiv:2305.19310. "The Merian Survey: Design, Construction, and Characterization of a Filter Set Optimized to Find Dwarf Galaxies and Measure their Dark Matter Halo Properties with Weak Lensing".

Kehoe, Emily, Baldassare, Vivienne F., Geha, Marla, **Wasleske, Erik J.**, Reines, Amy E., Hainline, Kevin 2022, ApJ submitted. "Active galactic nuclei in two star-forming dwarf galaxies with persistent broad lines".

Awards, Fellowships, & Grants

2023	NASA Space Grant Fellowship in Physics , Washington State University	\$2,500
2022	NASA Space Grant Fellowship in Physics , Washington State University	\$2,500
2020	Ralph F. Simmons, Jr. Graduate Fellowship in Physics , Dept. of Physics and Astronomy, Washington State University	\$1,500

Presentations

Spring 2024. *Hunting Tiny Monsters: Constructing a Database of Black Holes in Dwarf Galaxies*.
2024 College of Arts and Sciences Three Minute Thesis (3MT)[®] Competition
Washington State University

Fall 2023. *X-ray Emission of Variable Active Galaxy Candidates from the GALEX Time-Domain Survey*.
The 23rd Meeting of the American Physical Society - Northwest Section
Nampa, Idaho, United States

Fall 2022. *Variable Low-Mass AGN in the GALEX Time-Domain Survey*.
Origin, Growth, and Feedback of Black Holes in Dwarf Galaxies
San Sebastian, Spain

Spring 2022. *Variable Low-Mass AGN in the GALEX Time-Domain Survey*.
Intermediate-Mass Black Holes: New Science from Stellar Evolution to Cosmology
San Juan, Puerto Rico

POSTERS

Spring 2024. *Constructing a Database of Dwarf Galaxies with Active Black Holes*.
Graduate and Professional Student Association Academic Showcase
Washington State University

Spring 2023. *X-ray Properties of Ultraviolet Variable Active Galaxies*.
Graduate and Professional Student Association Research Exposition
Washington State University

Spring 2022. *Variable Active Galaxies in the GALEX Time-Domain Survey*.
Graduate and Professional Student Association Academic Showcase
Washington State University

Teaching and Mentoring Experience

Summer		
2021,	Graduate Mentor to REU Student , Research Experience for Undergraduates (REU) in	Washington
Summer	Physics and Astronomy: <i>Waves in Physics</i>	State
2022		University
Fall 2018 -		University of
Spring 2019	Ast 2001: Introductory Astrophysics , Teaching Assistant	Minnesota

Observing Experience

Spring 2021
- Present **Merian Survey**, Observer and Data Reduction

Outreach & Professional Development

SERVICE AND OUTREACH

Fall 2023 -
Spring 2024 **Member of Graduate Recruitment Committee - Physics & Astronomy Department,**
Fall 2020 -
Fall 2022 **Optica - Washington State University Student Chapter, Treasurer**
Fall 2020 -
Fall 2022 **SPIE - Washington State University Student Chapter, Treasurer**

*Washington
State
University*

DEVELOPMENT

June 2022 **Summer School in Astroinformatics II**, Center for Astrostatistics
June 2022 **Summer School in Statistics for Astronomers XVII**, Center for Astrostatistics
May 2022 **Arecibo Observatory Single Dish Summer School 2022**, Arecibo Observatory

*Penn State
University
Penn State
University
Arecibo,
Puerto Rico*

PROFESSIONAL MEMBERSHIPS

Optica - The Optical Society
SPIE - The international society for optics and photonics

References

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