

Victoria Bonidie | Curriculum Vitae

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Education

Ph.D. Candidate in Physics

* M.S. in Physics awarded December 2021

University of Pittsburgh

Fall 2020 – Present

B.A. in Astrophysics, Minor in Applied Mathematics

Magna Cum Laude

Franklin & Marshall College

August 2016 - December 2019

Research Experience

Mapping the 3D Atmosphere of KELT-20b

RESEARCH ADVISORS: Dr. Marshall Johnson, Dr. Ji Wang, Dr. Carles Badenes

Retrieving atmospheric properties and measuring spatial variations across the dayside of Ultra Hot Jupiter Kelt-20 b with high resolution emission spectroscopy.

Multiplicity Statistics of Stars in the Sagittarius Dwarf Spheroidal Galaxy

RESEARCH ADVISOR: Dr. Carles Badenes

Examining the distribution of radial velocity variations a sample of stars identified as members of the Sagittarius dwarf spheroidal galaxy using time-resolved spectra from APOGEE.

Presentations

Invited Speaker at the University of Liège

Talk

Liège

June 2024

Exoplanets V

Poster

Leiden

June 2024

2023 Emerging Researchers in Exoplanet Science Symposium (ERES VIII)

Poster

Yale University

June 2023

2021 SDSS-IV Collaboration Meeting

Poster

Virtual

August 2021

223rd Meeting of the American Astronomical Society

Poster

Seattle, WA

January 2019

Service and Outreach

University of Pittsburgh Graduate Student Union

Bargaining Committee Member

2025-

Physicists Coalition for Nuclear Threat Reduction

Next Generation Fellow

2025-

Astrobiters

Author, Policy Committee Member

2024-

University of Pittsburgh Physics and Astronomy Equity and Diversity Committee

Member

2024-

Referee for Astronomy & Astrophysics (A&A)

1 paper

May 2023

Awards

Myron P. Garfunkel Excellence in Graduate Student Teaching Award <i>University of Pittsburgh</i>	2025
Thomas-Lain Scholarship <i>University of Pittsburgh</i>	2024
PITT PACC Graduate Fellow <i>University of Pittsburgh</i>	2023
Zaccheus Daniels Fellowship <i>University of Pittsburgh</i>	2023
Whittington Fellowship <i>University of Pittsburgh</i>	2020
Michael J. Mumma Award <i>Franklin & Marshall College</i>	2019
Marshall Fellow <i>Franklin & Marshall College</i>	2018

Teaching Experience

Teaching Assistant <i>ASTRON 0089: Stars, Galaxies, and Cosmos</i>	University of Pittsburgh <i>Fall 2021, 2024 & Summer 2022, 2023</i>
Teaching Assistant <i>PHYS 011: Introductory Physics 1</i>	University of Pittsburgh <i>Summer 2022, 2023</i>
Teaching Assistant <i>PHYS 175: Introductory Physics 2</i>	University of Pittsburgh <i>Spring 2022</i>

Publications

- Multiplicity Statistics of Stars in the Sagittarius Dwarf Spheroidal Galaxy: Comparison to the Milky Way*
Victoria Bonidie, Travis Court, Christine Mazzola Daher, Catherine E. Fielder, Carles Badenes, Jeffrey Newman, Maxwell Moe, Kaitlin M. Kratter, Matthew G. Walker, Steven R. Majewski, Christian R. Hayes, Sten Hasselquist, Keivan Stassun, Marina Kounkel, Don Dixon, Guy S. Stringfellow, Joleen K. Carlberg, Borja Anguiano, Nathan De Lee, and Nicholas W. Troup
The Astrophysical Journal Letters, Volume 933, Issue 1, id.L18, 6 pp.
- A Parkes "Murriyang" Search for Pulsars and Fast Transients in the Large Magellanic Cloud*
Shinnosuke Hisano, Fronefield Crawford, **Victoria Bonidie**, Md F. Alam, Keitaro Takahashi, Duncan R. Lorimer, Josh P. Ridley, Maura M. McLaughlin, and Benetge B. P. Perera
The Astrophysical Journal, Volume 928, Issue 2, id.161, 11 pp.
- The NANOGrav 15 yr Data Set: Observations and Timing of 68 Millisecond Pulsars*
Joseph Swiggum and NANOGrav PFC (including **Victoria Bonidie**)
The Astrophysical Journal Letters, Volume 951, Issue 1, id.L9, 78 pp.
- The SHERLOCK PIPEline: New Exoplanet Candidates for TOI-2411, HAT-P-26, HAT-P-27 and WASP-16*
Martín Dévora-Pajares and Francisco J. Pozuelos (including **Victoria Bonidie**)
Monthly Notices of the Royal Astronomical Society, Volume 532, Issue 4, August 2024, Pages 4752–4773