

# 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 TOI-1518b

RESEARCH ADVISOR: Dr. Marshall Johnson, Dr. Carles Badenes

Spring 2024 – Present

Using phase-resolved emission spectra of TESS target TOI-1518b from the PEPSI spectrograph to measure the relative abundances across the dayside atmosphere.

### The Search for Planets Around Red Clump Stars

RESEARCH ADVISOR: Dr. Carles Badenes

Fall 2022–Present

Detection and statistics of close-orbit, transiting Jovian planets around red clump stars using data from the Kepler mission.

### Multiplicity Statistics of Stars in the Sagittarius Dwarf Spheroidal Galaxy

RESEARCH ADVISOR: Dr. Carles Badenes

Fall 2021–Spring 2022

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

The Search For Transiting Planets around Red Clump Stars

Liège

June 2024

### Exoplanets V

Poster

The Search For Transiting Planets around Red Clump Stars

Leiden

June 2024

### 2023 Emerging Researchers in Exoplanet Science Symposium (ERES VIII)

Poster

The Search For Transiting Planets around Red Clump Stars

Yale University

June 2023

### 2021 SDSS-IV Collaboration Meeting

Poster

Multiplicity Statistics of Stars in the Sagittarius Dwarf Spheroidal Galaxy

Virtual

August 2021

### 223rd Meeting of the American Astronomical Society

Poster

The NANOGrav STARS Program at Franklin and Marshall College

Seattle, WA

January 2019

## Service and Outreach

### Astrobiters

Author, Policy Committee Member

2024–

<b>University of Pittsburgh Physics and Astronomy Equity and Diversity Committee</b> <i>Member</i>	2024-
<b>Referee for Astronomy &amp; Astrophysics (A&amp;A)</b> <i>1 paper</i>	May 2023
<b>American Astronomical Society DC Congressional Visits Day</b> <i>Selected Participant</i>	April 2023

## Awards

<b>Thomas-Lain Scholarship (University of Pittsburgh)</b> <i>Approx. \$2,000</i>	2024
<b>PITT PACC Graduate Fellow (University of Pittsburgh)</b> <i>Approx. \$13,000</i>	2023
<b>Zaccheus Daniels Fellowship (University of Pittsburgh)</b> <i>Approx. \$13,000</i>	2023
<b>Whittington Fellowship (University of Pittsburgh)</b> <i>Approx. \$68,000</i>	2020
<b>Michael J. Mumma Award (Franklin &amp; Marshall College)</b> <i>Approx. \$6,000</i>	2019
<b>Marshall Fellow (Franklin &amp; Marshall College)</b> <i>Approx. \$4,000</i>	2018

## Teaching Experience

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

## Publications

<i>Multiplicity Statistics of Stars in the Sagittarius Dwarf Spheroidal Galaxy: Comparison to the Milky Way</i> <b>Victoria Bonidie</b> , 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 <i>The Astrophysical Journal Letters</i> , Volume 933, Issue 1, id.L18, 6 pp.	
<i>A Parkes "Murriyang" Search for Pulsars and Fast Transients in the Large Magellanic Cloud</i> Shinnosuke Hisano, Fronefield Crawford, <b>Victoria Bonidie</b> , Md F. Alam, Keitaro Takahashi, Duncan R. Lorimer, Josh P. Ridley, Maura M. McLaughlin, and Benetge B. P. Perera <i>The Astrophysical Journal</i> , Volume 928, Issue 2, id.161, 11 pp.	
<i>The NANOGrav 15 yr Data Set: Observations and Timing of 68 Millisecond Pulsars</i> Joseph Swiggum and NANOGrav PFC (including <b>Victoria Bonidie</b> ) <i>The Astrophysical Journal Letters</i> , Volume 951, Issue 1, id.L9, 78 pp.	
<i>The SHERLOCK PIPEline: New Exoplanet Candidates for TOI-2411, HAT-P-26, HAT-P-27 and WASP-16</i> Martín Dévora-Pajares and Francisco J. Pozuelos (including <b>Victoria Bonidie</b> ) <i>Monthly Notices of the Royal Astronomical Society</i> , Volume 532, Issue 4, August 2024, Pages 4752–4773	