Bethlee M Lindor

Graduate Student in Astronomy
NSF Grad Research Fellow
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University of Washington
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Physics-Astronomy Bldg, B317

Research Interests

Exoplanets, Galactic Astronomy, Astroinformatics, Astrostatistics, Astrobiology

Education

Honors BA, Astrophysical Sciences, Planets and Life Minor, Princeton University 2018

Honors And Awards

Cum Laude, Princeton University (2018)
NSF Graduate Research Fellowship Award (2018)
Ford Foundation Fellowship Honorable Mention (2018)
Princeton Mellon Mays Fellowship (2017)
Bell Burnell Award in Physics, Princeton Physics Department (2015)

Publications

B. Lindor, J. Hartman, G. Bakos, et al. *HAT-P-68b: A Transiting Hot Jupiter Around a K5 Dwarf Star*, in prep

Research Experience

Modeling Transit Timing Variations, 2018 – , University of Washington; Advisor: Eric Agol, Professor of Astronomy

Clusters of Galaxies: Mass Determination Methods, Biases, & Precision Cosmology, Undergraduate Senior Thesis, 2017 – 2018, Princeton University; Advisor: Neta A. Bahcall, Eugene Higgins Professor of Astrophysics

Model-Based Light Curve Analysis, MIT Haystack Observatory REU, 2017, Massachusetts Institute of Technology; Advisor: Victor Pankratius, Head of Astro-&-Geo-Informatics Group

Targeted Search for Milky Way Satellites Using HSC, Spring Junior Independent Work, 2017, Princeton University; Advisor: Adrian Price-Whelan, Lyman Spitzer Jr. Postdoctoral Fellow

Blend Analysis of HATNet Transit Candidate HTR268-002, Fall Junior Independent Work, 2016, Princeton University, Advisor; Joel Hartman, Research Astronomer

Blend Analysis of HATNet Transit Candidates: HTR389-004 and HTR180-005, Undergraduate Summer Research Program, 2016, Princeton University; Advisor: Joel Hartman, Research Astronomer

Presentations

Emerging Researchers in Exoplanet Science IV, Pennsylvania State University (June 2018). Contributed Talk.

Planets and Life Certificate Symposium, Princeton, NJ. (April 27, 2018). Contributed Talk.

231st Meeting of the American Astronomical Society, Washington, D.C. (January 2018). Poster.

Ivy League Undergraduate Research Symposium, University of Pennsylvania (November 2017). Poster.

Mellon Mays Mid-Atlantic Regional Conference, Haverford College (November 2017). Poster.

American Physical Society Mid-Atlantic Section, New Jersey Institute of Technology (November 2017). Poster.

MIT Haystack Observatory REU Symposium, Westford, MA (August 10, 2017). Contributed Talk.

Undergraduate Summer Research Symposium, Princeton University (August 4, 2016). Contributed Talk.

Advising and Mentoring

Making Connections Program, Mentor, 2019 – , University of Washington
Pre-Major in Astronomy Program, Mentor, 2018 – , University of Washington
Undergraduate Women In Physics*, Mentor, 2018, Princeton University
Scholars Institute Fellows Program, Mentor, 2016 – 2018, Princeton University

Teaching

Astronomy, Teaching Assistant, 2019 – , University of Washington

Graduate Coursework

Diffuse Gas and Interstellar Matter	Galactic Structure and Dynamics
Cosmology and Particle Astrophysics	Galaxy Formation and Evolution
Astrobiology Disciplines	Exoplanets and Planets
Radiative Processes	Thermodynamics
Techniques in Optical Astronomy	Astro-Statistics

Undergraduate Coursework

Planets in the Universe	Life in the Universe	Earth's Atmosphere
Thermal Physics	Modern Astronomy	Astronomy Research Methods
Cosmology	General Relativity	Stars and Star Formation
Mechanics and Waves	Quantum Mechanics	Advanced Electromagnetism

Public Outreach

Community-Based Learning Initiative, 2015, public outreach talk and physics demonstration at Communiversity, Princeton, NJ

Organizations and Activities

Administrative Officer: Graduates of Color in Astronomy and Physics
Member: Graduate Opportunities and Minority Achievement Program
Graduate Member: American Astronomical Society

Relevant Skills

Computer Languages: Python, Julia, MATLAB, Blender
Operating Systems: Linux, Unix