Bethlee M Lindor

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

Education

Astronomy MS, University of Washington, 2020 (expected)
Astrophysical Sciences Honors BA, Princeton University, 2018
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 Residential Associate Fellowship (2017)
Physics Department Bell Burnell Award in Physics (2015)

Research

Modeling Transit Timing Variations, 2019– , 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 Hyper Suprime-Cam, 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

Publications

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

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.

Outreach

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

Advising and Mentoring

Making Connections Program, Mentor, 2019, University of Washington
Undergraduate Women In Physics*, Mentor, 2018, Princeton University
Scholars Institute Fellows Program, Head Fellow, 2016–2018, Princeton University

Teaching

Astronomy, Teaching Assistant, Autumn 2019, University of Washington
The Planets, Teaching Assistant, Winter 2019, University of Washington

Service and Activities

Social Coordinator: Pre-Major in Astronomy Program, 2019–
Administrative Officer: Graduates of Color in Astronomy and Physics, 2019–
Leader: Astronomy EquiTea, 2018–

Coursework

Diffuse Gas and Interstellar Matter	Galactic Structure and Dynamics
Cosmology and Particle Astrophysics	Galaxy Formation and Evolution
Techniques in Optical Astronomy	Computational Astro-Statistics
Planets and Extra-solar Planets	Thermodynamics and Stat. Mech.
Radiative Processes and Atmospheres	Stellar Interiors and Evolution

Relevant Skills

Operating Systems: Linux/Unix, OSX, Windows
Computer Languages: Python, Julia, SQL
Scientific Languages: MATLAB, IRAF

Professional Organizations

Graduate Member: American Astronomical Society, 2018–
Student Member: American Physical Society, 2017–2018