

# Carrie E. Holt

PhD Candidate - Department of Astronomy - University of Maryland  
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## EDUCATION

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University of Maryland, College Park, MD Ph.D., Astronomy Thesis: Population Studies of Small Bodies	anticipated 2022
University of Maryland, College Park MD M.S., Astronomy	December 2018
Wagner College B.S., Physics (Magna Cum Laude)	May 2014

## RESEARCH EXPERIENCE

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Graduate Student University of Maryland Advisors: Matthew Knight (2019-present), Derek Richardson (chair, 2020-present), Jessica Sunshine (2016-2019), & Lori Feaga (2016-2019)	Aug 2016 - present
Faculty Specialist University of Maryland Supervisors: Michael A'Hearn & Lori Feaga	Sept 2015 - Aug 2016
NASA Summer Intern: Fermi-LAT Goddard Space Flight Center Supervisors: Judith Racusin & Daniel Kocevski	Summer 2013

## CO-AUTHORED PUBLICATIONS

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- [2] Ye, Q., Farnham, T.L., Knight, M.M., **Holt, C.E.**, & Feaga, L.M.. 2020. *Recovery of Returning Halley-Type Comet 12P/Pons-Brooks With the Lowell Discovery Telescope*. RNAAS, Submitted
- [1] Ajello, M., et al. (including **Holt, C.**) 2018. *Investigating the Nature of Late-time High-energy GRB Emission through Joint Fermi/Swift Observations*. ApJ, 863, 138

## IAU CIRCULARS & CENTRAL BUREAU ELECTRONIC TELEGRAMS

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Knight, M.M., **Holt, C.E.**, Ye, Q-Z., Feaga, L.M., Kelley, M.S.P., Shumar, L., Sanborn, J., and Hayslip, A. (and measured by Ye and Farnham, T.L.). 2020. Comet 12P/PONS-BROOKS CBET 4805

## HONORS AND AWARDS

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| 2018 | The Jacob K. Goldhaber Travel Grant                          |
| 2016 | Philip E. Angerhofer Outstanding Graduate Teaching Assistant |
| 2014 | Harvey Logan Memorial Award in Physics                       |

## TEACHING EXPERIENCE

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- Teaching Assistant, MATH 115 "Precalculus," University of Maryland (2018)
- Teaching and Lab Assistant, ASTR 101 "Introduction to Astronomy," University of Maryland (2 semesters: Fall 2016-Spring 2017)
- Lab Assistant, "Elements of Physics I & II," Wagner College (2 semesters: 2013-2014)
- Private Physics and Astronomy Tutor (2011-2014)

## INVITED TALKS

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- "Spatial Variations of Comet 103P/Hartley 2's Volatiles: Three Weeks of Deep Impact Data", Planetary Astronomy Late-morning Seminar. University of Maryland. College Park, MD. April 2018

## CONTRIBUTED TALKS

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- "Small Perihelion Effects on Near-Sun Asteroids", Division of Planetary Science Virtual Conference, October 2020
- "Small Perihelion Effects on Near-Earth Objects", Division of Planetary Science/European Planetary Science, Geneva, Switzerland, September 2019
- "Continuous Monitoring of Spatial Variations in 103P/Hartley 2's Volatiles from Deep Impact", Division of Planetary Science, Knoxville, TN, October 2018
- "Lack of High-Energy Afterglows of Gamma-ray Burst", Eastern Colleges Science Conference, Poughkeepsie, NY, March 2014

## POSTERS

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- "Using Deep Impact to Continuously Monitor Spatial Variations in 103P/Hartley 2's Volatile" American Geological Union, Washington, D.C., December 2018
- "Missing High Energy Afterglows of Gamma-ray Bursts", American Astronomical Society, Washington, D.C., January 2014

## PROFESSIONAL SERVICE

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- NASA Review Panel – Executive Secretary

Class Representative on the Astronomy Department's Graduate Student Council  
March 2017 – present

## STUDENTS MENTORED

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Felix Forcho	January 2020 – GRAD-MAP Winter Workshop Undergraduate at Prince George's Community College <i>Activity of Near-Sun Asteroids</i>
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## OUTREACH

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Skype a Scientist	March 2020 – present Engaged with individual classrooms through an online Q & A about comets, asteroids, and planetary defense
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GRAD-MAP	2019 – present Continued involvement with GRAD-MAP (Graduate Resources Advancing Diversity with Maryland Astronomy and Physics); served as research mentor; helped plan the Winter Workshop; contributed to professional development sessions; organized transportation logistics for visiting students
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Maryland Day	April 2016 Engaged with the public through astronomy demonstrations and activities at the University of Maryland's annual open house
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