

# RACHEL BUTTRY

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WEBSITE: <http://rrybuttry.github.io/>

## EDUCATION

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<b>May 2024 (Anticipated)</b>	Doctor of Philosophy in Physics, Carnegie Mellon University, Pittsburgh, PA
<b>May 2021</b>	Master of Science in Physics, Carnegie Mellon University, Pittsburgh, PA
<b>June 2019</b>	Bachelor of Science in Physics, Drexel University, Philadelphia, PA Minor in Mathematics, Minor in Philosophy

## PUBLICATIONS

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1. R. Buttry, A. B. Pace, S. E. Koposov, M. G. Walker, N. Caldwell, E. N. Kirby, N. F. Martin, M. Mateo, E. W. Olszewski, E. Starkenburg, C. Badenes, and C. M. Daher. Stellar kinematics of dwarf galaxies from multi-epoch spectroscopy: Application to Triangulum II. , May 2022. doi: 10.1093/mnras/stac1441
  2. C. M. Daher, C. Badenes, J. Tayar, M. Pinsonneault, S. E. Koposov, K. Kratter, M. Moe, B. Anguiano, D. Godoy-Rivera, S. Majewski, J. K. Carlberg, M. G. Walker, R. Buttry, D. Dixon, J. Serna, K. G. Stassun, N. De Lee, J. Hernández, C. Nitschelm, G. S. Stringfellow, and N. W. Troup. Stellar multiplicity and stellar rotation: insights from APOGEE. , 512(2):2051–2061, May 2022. doi: 10.1093/mnras/stac590
  3. J. Moreno, R. Buttry, J. O'Brien, M. S. Vogeley, G. T. Richards, and K. L. Smith. Properties of a Previously Unidentified Instrumental Signature in Kepler/K2 That was Confused for AGN Variability. , 162(6):232, Dec. 2021. doi: 10.3847/1538-3881/ac205c

## PRESENTATIONS

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AUGUST 2018:	LSST 2018 Project and Community Workshop, Tucson, AZ. <i>Exploring Methods to Merge Light Curves of Different Filters</i> Authors: Rachel Buttry, Gordon T. Richards, Matthew Graham
NOVEMBER 2016:	2016 Quadrennial Physics Congress (PhysCon), San Francisco, CA. <i>Observing the Seasonal Variation of Muon Flux with IceCube</i> Authors: Rachel Buttry, Naoko Kurahashi Neilson, William Giang
SEPTEMBER 2015:	STAR Summer Showcase 2015, Drexel University, Philadelphia, PA. <i>Observing the Seasonal Variation of Muon Flux with IceCube</i> Authors: Rachel Buttry, Naoko Kurahashi Neilson, William Giang

## SCHOLARSHIPS AND AWARDS

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JUNE 2018	WR Coley Award
SUMMER 2016	STAR (Students Tackling Advanced Research) Scholar, Drexel University
2014 to 2019	Dean's List, Drexel University
2014 to 2019	A.J. Drexel Scholarship

## OUTREACH

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MARCH 2023	Astronomy on Tap, Pittsburgh, PA. ( <i>A Talk About MOND</i> )
OCTOBER 2022	Astronomy on Tap, Pittsburgh, PA. ( <i>Making a Flat Earth Simulation</i> )
MARCH 2017	Drexel University Kaczmarczik Lecture
JUNE 2016	Philadelphia Science Festival
NOVEMBER 2016	Philadelphia Area Girls Enjoying Science (PAGES)
FEBRUARY 2015	Drexel University Kaczmarczik Lecture
MAY 2015	Philadelphia Science Festival
OCTOBER 2014	Drexel University Kaczmarczik Lecture

## ORGANIZATIONAL POSITIONS

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2022 to 2023	<b>Grad Social Committee</b>   CMU Physics, Carnegie Mellon University Organized catering for the bi-weekly social event for graduate students and faculty of the department.
2015 to 2018	<b>Treasurer</b>   Society of Physics Students, Drexel University Created a budget to balance ongoing SPS funded research projects and monthly on-campus events. Organized travel to San Francisco to attend SPS PhysCon 2016.
2017 to 2018	<b>Treasurer</b>   Women in Physics Society, Drexel University Managed finances of the organization, helped with allocating funds for events, and created budget proposal to submit for APS Women in Physics grant.