

MELINDA TOWNSEND

(620)704-5371 ♦ mtownsend@ku.edu

EDUCATION

Ph.D. Physics, University of Kansas (present) (M.S. 2020)

Advisor: Gregory Rudnick

B.S. Physics, Washburn University, 2016

J.D., Washburn University School of Law, 2010

International and Comparative Law Certificate

George Washington University-Oxford University Human Rights Law Program, 2009

B.A. Political Science, Pittsburg State University, 2007

Summa Cum Laude

SCHOLARSHIPS AND AWARDS

Chambliss Astronomy Achievement Student Award 236th AAS Meeting	Summer 2020
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Lowry Graduate Fellowship University of Kansas	2019
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University Graduate Fellow University of Kansas	2016-2017
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RESEARCH PRESENTATIONS AND POSTERS

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| • Notre Dame Astronomy Seminar
<i>Presentation</i> | 9/28/2021 |
| • 237th AAS Meeting
<i>Presentation</i> | 1/14/2021 |
| • 236th AAS Meeting
<i>Poster</i> | 6/1/2020 - 6/3/2020 |
| • International Space Science Institute (ISSI) workshop "COSWEB: The Cosmic Web and Galaxy Evolution."
<i>Bern, Switzerland</i>
<i>Presentation</i> | 10/22/2019 |
| • Lorentz workshop "Galaxy Evolution and the Cosmic Web."
<i>Leiden, Netherlands</i>
<i>Presentation</i> | 3/2019
Cancelled due to illness |
| • Mid-American Regional Astrophysics Conference
<i>Benedictine University</i>
<i>Presentation</i> | 4/14/2019 |
| • Mid-American Regional Astrophysics Conference
<i>University of Missouri-Kansas City</i>
<i>Poster</i> | 4/13/2018 |
| • Mid-American Regional Astrophysics Conference
<i>University of Kansas</i>
<i>Poster</i> | 4/8/2017 |

- **Apeiron** 4/29/2016
Washburn University
Poster
- **REU at the University of Oklahoma** 6/12/2015
Norman, OK
Presentation
- **REU at the University of Oklahoma** 7/30/2015
Norman, OK
Presentation

PUBLICATIONS

1. **Townsend, M.**, Rudnick, G., “The Satellite Population around Luminous Red Galaxies in the Legacy Surveys”, in prep.
2. Castignani, G., et al. ”Virgo Filaments II: Catalog and First Results on the Effect of Filaments on galaxy properties”, 2021, in press, doi: 2110.13797
3. Balogh, M.L., et al. “The GOGREEN and GCLASS surveys: first data release”, 2021, Mon. Not. R. Astron. Soc., 500, 358, doi: 10.1093/mnras/staa3008

GRANTS

- APS Women in Physics Grant. December 2019.
- APS Women in Physics Grant. December 2018.

OUTREACH

- Organizer of Women in Science STEAM Event. Lawrence Public Library. Lawrence, KS. 10/16/2019.
- Presenter at McLouth Public Library. McLouth, KS. 6/21/2019.
- Lab Leader at Women in Science Day. Washburn University. 10/22/2018.
- Panelist at the Undergraduate Women in Physics. University of Kansas. 1/14/2018. /item
 Presenter at Midland Care Connection. Lawrence, KS. 8/15/2017.
- Presenter at the Topeka Science Cafe. Topeka, KS. 5/10/2016.
- Presenter at the Northeast Kansas Amateur Astronomer’s League General Meeting. Topeka, KS. 10/23/2014.

DEPARTMENTAL SERVICE

- Member of the Physics and Astronomy Graduate Student Organization Executive Board. University of Kansas Dept. of Physics and Astronomy. 2020-present.
- Graduate Student Colloquium Organizing Committee. University of Kansas Dept. of Physics and Astronomy. 2020-2021.
- PALOOZA Organizing Committee. University of Kansas Dept. of Physics and Astronomy. 2019-present.
- Organizer of the KU Physics and Astronomy Graduate Mentor Program. University of Kansas Dept. of Physics and Astronomy. 2018 - present.
- Organizer of KU Diversity in Physics. University of Kansas Dept. of Physics and Astronomy. 2018-2020.

- Organizer, KU Diversity in Physics Middle and High School Art Competition. 2019.
- Graduate Student Representative. University of Kansas Dept. of Physics and Astronomy. 201-2019.