

Catherine Elena Fielder



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EDUCATION

- 2014 – PRESENT **Doctor of Philosophy in Physics**
Physics and Astronomy
University of Pittsburgh
- 2016 **Master of Science in Physics**
Physics and Astronomy
University of Pittsburgh
- 2010 – 2014 **Bachelor of Science in Physics**
PHI BETA KAPPA, SIGMA PI SIGMA, DEANS LIST
Department of Physics
Texas Tech University

DOCTORAL RESEARCH

“Understanding the Milky Way”

AWARDS

- 2014 **Outstanding Research Talk**
Los Alamos National Lab
- 2014 **Mary E. Warga Predoctoral Fellowship**
University of Pittsburgh

CONFERENCES AND TALKS

- TALKS SDSS-IV Collaboration Meeting – 2020
Great Lakes Cosmology Workshop 12, RIT – 2019
Great Lakes Cosmology Workshop 11, Mc Master University, Hamilton, Ontario Canada – 2016
- POSTERS Small Galaxies Cosmic Questions, Durham, United Kingdom – 2019
Dark Matter 2018, Kingston, Ontario Canada – 2018
- TRAINING Green Bank Telescope Observer Training Workshop – Fall 2017

ADDITIONAL SKILLS

- LARGE COLLABORATIONS SDSS-IV
- COMPUTER LANGUAGES Python, IDL, \LaTeX , Mathematica
- OBSERVING WIYN 3.5m telescope, Kitt Peak National Observatory, 1 week of observing for the Sweet Spot Survey

RESEARCH POSITIONS

POST BACCALAUREATE SUMMER RESEARCHER 2014 (FT)

Los Alamos National Lab

Researcher for the Los Alamos Supernova Light Curve Project

I did research on Type Ib and Ic supernovae simulations and spearheaded the development of opacity analysis software.

REFERENCES

Dr. Jeffrey Newman

POSITION Professor
EMPLOYER Department of Physics and Astronomy
University of Pittsburgh
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Dr. Brett Andrews

POSITION Research Faculty
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spaceafter EMAIL andrewsb@pitt.edu

PUBLICATIONS

Felder, Catherine E., Mao, Yao-Yuan; Newman, Jeffrey A., Zentner, Andrew R., Licquia, Timothy C. (2019). Predictably missing satellites: subhalo abundances in Milky Way-like haloes. *Monthly Notices of the Royal Astronomical Society*, 486(4), 4545-4568.
Author name in bold