

HANNAH E. MCCALL

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EDUCATION

University of Chicago PhD student, Astronomy & Astrophysics	<i>Sept. 2022 - present</i>
Rheinische Friedrich-Wilhelms-Universität Bonn Master of Science, Astrophysics Thesis: X-ray imaging analysis of the Virgo Cluster with eROSITA	<i>Oct. 2020 - Sept. 2022</i>
Washington University in St. Louis Bachelor of Arts, Physics (High Distinction) Minors in Mathematics and Women, Gender, and Sexuality Studies	<i>Aug. 2016 - May 2020</i>

RELEVANT RESEARCH EXPERIENCE

University of Chicago <i>Galaxy clusters and AGN feedback</i>	Sept. 2022 - present <i>Dr. Irina Zhuravleva</i>
Universität Bonn <i>Master's Thesis: X-ray observations of galaxy clusters</i>	April 2021 - Sept. 2022 <i>Dr. Thomas Reiprich</i>
Washington University in St. Louis <i>Bachelor's Thesis: High-mass X-ray binaries</i>	Aug. 2019 - April 2021 <i>Dr. Manel Errando</i>
University of Chicago <i>Supernova cosmology with DES</i>	June 2018 - Dec. 2018 <i>Dr. Dan Scolnic</i>
Washington University in St. Louis <i>X-ray counterparts of TeV sources</i>	May 2017 - Dec. 2017 <i>Dr. Manel Errando</i>

SKILLS

Computer Languages	Python (astropy, scipy, pandas, matplotlib), Bash, Java
Software & Tools	LaTeX, Mathematica, Linux, Mac, Git, Windows, HPC
Languages	Native: English, Intermediate: German, Spanish

SELECTED ORAL PRESENTATIONS

eROSITA International Conference <i>Munich, Germany</i>	Sept. 2024
eROSITA Collaboration Galaxy Clusters Meeting <i>Virtual</i>	March 2023
Chandra Frontiers in Time-Domain Science <i>Virtual</i>	Oct. 2020
236th American Astronomical Society Meeting <i>Virtual</i>	June 2020

SELECTED POSTER PRESENTATIONS

eROSITA International Conference <i>Munich, Germany</i>	Sept. 2024
AAS High Energy Astrophysics Division <i>Pittsburgh, PA</i>	March 2022
Midstates Consortium for Math and Science Conference <i>Chicago, IL</i>	Nov. 2019
233rd American Astronomical Society Meeting <i>Seattle, WA</i>	Jan. 2019
231st American Astronomical Society Meeting <i>Washington D.C.</i>	Jan. 2018

SELECTED FELLOWSHIPS AND AWARDS

Illinois Space Grant Consortium Fellowship (\$10,000)	2024
University of Chicago McCormick Fellowship (\$10,800)	2022
DAAD Study Scholarship (\$25,000)	2020 - 2022
Washington University Harriet K. Switzer Leadership Award (\$500)	2020
DAAD RISE Scholarship (\$3,000)	2019
APS Women in Physics Group grant (\$2,000)	2018
NSF REU Fellowship (\$5,000)	2018
Florence Moog Honorary Scholarship (\$75,000)	2018

SELECTED TEACHING ASSISTANTSHIPS

Black Holes <i>University of Chicago</i>	Winter 2023
Observations of Dark Matter and Dark Energy <i>Universitaet Bonn Argelander Institute for Astronomy</i>	Fall 2021
Introduction to Astrophysics <i>Washington University</i>	Spring 2020
Stars, Galaxies, and Cosmology <i>Washington University</i>	Spring 2019

ACADEMIC EXTRACURRICULAR & OUTREACH

South Side Science Festival <i>Experiment lead</i>	2024
Astrophysics Department Mentor Program <i>Facilitator</i>	2023-present
Washington University Women in Physics Mentor Program <i>Founder, President</i>	2018-2020