

HANNAH E. MCCALL

hannahmccall@uchicago.edu

EDUCATION

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

SKILLS

Computer Languages	Python (astropy, scipy, pandas, matplotlib), Bash, Java, R
Software & Tools	LaTeX, Mathematica, Linux, Git, Windows, HPC
Languages	Native: English, Intermediate: German (B1 level), Spanish

RELEVANT RESEARCH EXPERIENCE

University of Chicago <i>X-ray Astrophysics</i>	September 2022 - present <i>Supervisor: Dr. Irina Zhuravleva</i>
Universität Bonn <i>Master's Thesis: X-ray astrophysics</i>	April 2021 - September 2022 <i>Supervisor: Dr. Thomas Reiprich</i>
Washington University in St. Louis <i>Bachelor's Thesis: High-energy astrophysics</i>	August 2019 - April 2021 <i>Supervisor: Dr. Manel Errando</i>
University of Chicago <i>Observational cosmology</i>	June 2018 - December 2018 <i>Supervisor: Dr. Dan Scolnic</i>
Washington University in St. Louis <i>High-energy astrophysics</i>	May 2017 - December 2017 <i>Supervisor: Dr. Manel Errando</i>

SELECTED TALKS AND ORAL PRESENTATIONS

Master's Thesis Colloquium <i>Oral Presentation</i>	September 2022 <i>Bonn, Germany</i>
eROSITA Collaboration Astrophysics Telecon <i>Oral Presentation</i>	May 2022 <i>Virtual</i>
American Astronomical Society High Energy Astrophysics Division <i>Poster Presentation</i>	March 2022 <i>Pittsburgh, PA</i>
Chandra Frontiers in Time-Domain Science <i>Oral Presentation</i>	October 2020 <i>Virtual</i>
236th American Astronomical Society Meeting <i>Oral Presentation</i>	June 2020 <i>Virtual</i>
Conference for Undergraduate Women in Physics (CUWiP) <i>Poster Presentation</i>	January 2020 <i>Oklahoma City, OK</i>

Midstates Consortium for Math and Science Conference	November 2019
<i>Poster Presentation</i>	<i>Chicago, IL</i>
233rd American Astronomical Society Meeting	January 2019
<i>Poster Presentation</i>	<i>Seattle, WA</i>
231st American Astronomical Society Meeting	January 2018
<i>Poster Presentation</i>	<i>Washington D.C.</i>
Conference for Undergraduate Women in Physics	January 2018
<i>Poster Presentation</i>	<i>Ames, IA</i>

FELLOWSHIPS AND AWARDS

University of Chicago McCormick Fellowship (\$10,800)	2022
DAAD Study Scholarship (\$25,000)	2020 - 2022
Washington University Harriet K. Switzer Leadership Award (\$500)	2020
CUWiP Best Physics Poster Award	2020
DAAD RISE Scholarship (\$3,000)	2019
AAS Chambliss Astronomy Achievement Award Honorable Mention	2019
APS Women in Physics Group grant (\$2,000)	2018
NSF REU Fellowship (\$5,000)	2018
Florence Moog Honorary Scholarship (\$75,000)	2018

RELEVANT TEACHING ASSISTANTSHIPS

Black Holes	Winter 2023
<i>University of Chicago</i>	
Matter, Energy, Space, and Time	Fall 2022
<i>University of Chicago</i>	
Observations of Dark Matter and Dark Energy	Fall 2021
<i>Universitaet Bonn Argelander Institute for Astronomy</i>	
Introduction to Astrophysics	Spring 2020
<i>Washington University Physics Department</i>	
Solar System Astronomy	Fall 2019
<i>Washington University Physics Department</i>	
Stars, Galaxies, and Cosmology	Spring 2019
<i>Washington University Physics Department</i>	
Introduction to Computer Science	January 2018-May 2019
<i>Washington University Computer Science Department</i>	

EXTRACURRICULAR & VOLUNTEER

Washington University Varsity Softball	2016-2020
<i>Captain, 3x Academic All-American</i>	
Washington University Women in Physics Mentor Program	2018-2020
<i>Founder, President</i>	
University of Chicago Pen Pal Program	2023