

Nathalie Chicoine

(707) 484 - 5506
nmc130@pitt.edu

Education	University of Pittsburgh	Aug. 2024 - Present
	<i>Ph.D Student in Physics and Astronomy</i>	
	University of Chicago	Sep. 2019 - Jun. 2023
	<i>Bachelor of Science in Astrophysics with Honors</i>	
	<i>Bachelor of Arts in English Literature</i>	
Research Experiences	Graduate Student	Aug. 2024- - Present
	<i>University of Pittsburgh</i>	
	Mentored by Dr. Rachel Bezanson	
	Spectra analysis and research on high-redshift galaxies in the UNCOVER and MIN-ERVA surveys	
	Undergraduate Independent Study and Senior Thesis	Sep. 2021-Jul. 2024
	<i>University of Chicago</i>	
	Mentored by Dr. Judit Prat and Dr. Chihway Chang	
	Conducted weak gravitational lensing measurements around a sample of 23,790 low surface brightness galaxies to constrain their halo masses	
	Research Assistant	Aug. 2023 - Present
	<i>Fermi National Accelerator Laboratory</i>	
	Mentored by Dr. Chihway Chang and Dr. Alex Drlica-Wagner	
	Extracted cosmological inferences from cosmic shear measurements in the DELVE survey	
	Undergraduate Independent Study	Jan. 2021 - Jun. 2022
	<i>University of Chicago</i>	
	Mentored by Dr. Michael Gladders	
	Produced spectral energy distribution profiles for strongly lensed quasars with the COOL-LAMPS collaboration	
Awards and Honors	Dean's List	2020-2022
	Enrico Fermi Scholar Physical Sciences Collegiate Divisional Honors	2021-2022
	Elected to Phi Beta Kappa	2023
Publications	1. <i>Weak Gravitational Lensing around Low Surface Brightness Galaxies in the DES Year 3 Data</i>	
	Chicoine, N. , Prat, J., et al. (2024) https://doi.org/10.33232/001c.124536	
	2. <i>The DECADE cosmic shear project III: validation of the analysis pipeline using spatially inhomogeneous data</i>	
	Anbajagane, D., Chang, C., Chicoine, N. , et al. (2025) arXiv: 2502.17676	
Talks	KICP Survey Science Meeting	May 2024
	Fermilab SULI Presentation	April 2024
	Fermilab Survey Science Meeting	April 2024

DES Low Surface Brightness Galaxy Meeting	December 2023
Fermilab SULI Presentation	December 2023
Fermilab Survey Science Meeting	December 2023
DES Fall Collaboration Meeting	October 2023
KICP Lensing at Different Scales Workshop	August 2023
Undergraduate Honors Thesis Seminar	June 2023
KICP Survey Science Meeting	September 2022
DES Weak Lensing Telecom	February 2022
Undergraduate Research Symposium (Remote)	May 2021

Teaching	Teaching Assistant: "Classical Mechanics" — <i>Prof. Broccio</i>	Fall. 2024
	Teaching Assistant: "Introduction to Astronomy" — <i>Prof. Schneider</i>	Spr. 2025
	Teaching Assistant: "Stars & Black Holes" — <i>Prof. Cattaneo</i>	Sum. 2023
	Teaching Assistant: "Computational Astrophysics" — <i>Prof. Kravtsov</i>	Spr. 2022

Outreach	Outreach Intern	Jun. 2021 - Sep. 2021
	<i>CMBS-4 Collaboration</i> Redesigned CMBS-4 Collaboration website, established resource archive and YouTube channel, hosted monthly outreach events for teens	