

CONTACT INFO

CECILIA STEEL

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EDUCATION

BACHELOR OF SCIENCE <i>University of Pittsburgh</i>	2020-2024
<ul style="list-style-type: none">Honors in Physics and Astronomy, Magna Cum LaudeMinor in Mathematics	
PHYSICS PHD CANDIDATE <i>University of California, Davis</i>	2024-Present

RESEARCH

MODELING STAR FORMATION HISTORIES OF GALAXIES AT HALF THE AGE OF THE UNIVERSE <i>University of Pittsburgh</i>	2022-2024
<ul style="list-style-type: none">I measured empirically motivated star-formation history predictions of massive galaxies from the UniverseMachine model and compared to previously measured star formation histories derived directly from observations.	
SURVEY OF TRANSITING EXTRASOLAR PLANETS OF THE UNIVERSITY OF PITTSBURGH (STEPUP) MEMBER <i>University of Pittsburgh</i>	2022-2024
<ul style="list-style-type: none">Member of an undergraduate research team that uses the Keeler Telescope at the Allegheny Observatory. We observe and detect exoplanets, collect and process data on their transits, and generate light curves.	

PUBLICATIONS

A Comparison of Star-Formation Histories Derived from UniverseMachine and LEGA-C at $0.6 < z < 1$ (Steel et al. 2024)	2024
Capturing Complete Fraction of Rejuvenating Galaxies at $z \sim 0.8$ - Less Massive galaxies More Conducive of Resurrection (in prep)	2024

CONFERENCES & POSTER PRESENTATIONS

DUQUESNE SYMPOSIUM <i>Duquesne University</i> (Comparing BAGPIPES-derived Star Formation Histories to the UniverseMachine in Early Universe LEGA-C Galaxies)	August 2022
CONFERENCES FOR UNDERGRADUATE WOMEN IN PHYSICS (CUWIP) <i>Pennsylvania State University</i> (Testing a Theoretical Model ("UniverseMachine") for Galaxy Star Formation Histories Derived from the LEGA-C Survey)	January 2023
UNIVERSITY OF PITTSBURGH UNDERGRADUATE POSTER SESSION <i>University of Pittsburgh</i> (Testing a Theoretical Model ("UniverseMachine") for Galaxy Star Formation Histories Derived from the LEGA-C Survey)	April 2023
UNIVERSITY OF PITTSBURGH UNDERGRADUATE POSTER SESSION <i>University of Pittsburgh</i> (Testing the Star-Formation Histories of Massive Galaxies in the UniverseMachine Model at $z \sim 0.8$ with the LEGA-C Survey)	November 2023
AAS 243RD MEETING <i>New Orleans Ernest N. Morial Convention Center</i> (Testing the Star-Formation Histories of Massive Galaxies in the UniverseMachine Model at $z \sim 0.8$ with the LEGA-C Survey)	January 2024
CONFERENCES FOR UNDERGRADUATE WOMEN IN PHYSICS (CUWIP) <i>United States Military Academy West Point</i> (Testing the Star-Formation Histories of Massive Galaxies in the UniverseMachine Model at $z \sim 0.8$ with the LEGA-C Survey)	January 2024

AWARDS & HONORS

NASA PENNSYLVANIA SPACE GRANT CONSORTIUM RESEARCH SCHOLARSHIP	Summer 2022, Spring 2023, Summer 2023, Fall 2023
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WORKSHOPS	JULIA THOMPSON AWARD FOR EXCELLENCE IN UNDERGRADUATE WRITING	2024
	MEMBER OF SIGMA PI SIGMA, THE NATIONAL PHYSICS HONOR SOCIETY	2024
	PYTHON BOOT CAMP <i>University of Pittsburgh</i>	2022, 2023
SKILLS	PROGRAMMING LANGUAGES	
	<ul style="list-style-type: none">• Python• Java• MATLAB• Mathematica	
REFERENCES	Dr. Rachel Bezan-son	
	Associate Professor Department of Physics & Astronomy University of Pittsburgh rachel.bezanson@pitt.edu	
	Dr. Jeremy Levy	
	Distinguished Professor Department of Physics & Astronomy University of Pittsburgh jlevy@pitt.edu	
	Dr. David Turn-shek	
	Professor Department of Physics & Astronomy University of Pittsburgh turnshek@pitt.edu	