

Rachel Theios

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Research Interests

Physical properties of high-redshift galaxies: dust extinction, chemical abundances, star formation rates, stellar masses

Education

California Institute of Technology, 2014 - present

Ph.D., Astrophysics (Expected 2019)

M.S., Astrophysics (June 2016)

Advisor: Prof. Charles C. Steidel

University of California, Los Angeles 2010 - 2014

B.S. Magna Cum Laude with Honors, Astrophysics

Honors and Awards

2016 - Troesh Fellowship Recipient, California Institute of Technology

2014 - Charles Geoffrey Hilton Award for Excellence in Astronomy and Astrophysics, University of California, Los Angeles Department of Physics and Astronomy

2014 - Highest Departmental Honors, University of California, Los Angeles Department of Physics and Astronomy

2014 - College Honors - University of California, Los Angeles

Publications

Theios, R. L., Malkan, M. A., & Ross, N. R. "H α Imaging of Nearby Seyfert Host Galaxies", *ApJ*, 822, 45 (2016)

Technical Experience

Observing Experience

W. M. Keck Observatory, Keck 1 10-m Telescope (MOSFIRE, LRIS), **15 nights**

Lick Observatory, Nickel 1-m Telescope (CCD2), **1 night**

Instrumentation Experience

Summer/Fall 2016 - Worked on developing flexure compensation system for NIRES

Programming Languages

Python, IRAF

Teaching Assistantships

Fall 2015 - Radiative Processes (graduate course), Profs. Gregg Hallinan and Evan Kirby

Winter 2016 - Interstellar and Intergalactic Medium (graduate course), Prof. Philip Hopkins

Spring 2016 - The Evolving Universe (undergraduate course), Prof. George Djorgovski

Last updated: December 2, 2016