

Jiashu Han

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EDUCATION

- University of California, San Diego August 2019 - present
PhD student
- University of California, Berkeley August 2015 - May 2019
Majors: Physics, Astrophysics
Cumulative GPA: 3.87/4.00

RESEARCH EXPERIENCE

- Lawrence Berkeley National Laboratory October 2016 - June 2018
Position: Research Affiliate
Advisors: Dr. Shirley Ho and Dr. Simone Ferraro
Cross-correlation of eBOSS quasars and Planck 2015 CMB lensing
- Center for Computational Astrophysics June 2018 - August 2018
Position: Summer Research Assistant
Advisor: Dr. Shirley Ho
Constraining the quasar bias using cross-correlation of Planck 2015 CMB lensing convergence map and eBOSS LSS quasar catalog
- Department of Astronomy, UC Berkeley October 2018 - May 2019
Position: Undergraduate Researcher
Advisor: Dr. Xiangcheng Ma
Effects of CMB on dust emission in high redshift galaxies

TEACHING EXPERIENCE

- Teaching Assistant, UC San Diego
Physics 2C (Introduction to Optics and Thermodynamics) Fall 2019

PUBLICATION

- Han J., Ferraro S., Giusarma E., Ho S. “Probing Gravitational Lensing of the CMB with SDSS-IV Quasars”, 2019, MNRAS, 485, 1720 (arXiv:1809.04196)

SKILLS

- Python, Java, IDL, C/C++, HTML/CSS, Mathematica, SQL, Scheme

RESEARCH INTERESTS

- Theoretical cosmology, particle physics, inflation, gravitational waves, cosmic microwave background

HONORS AND AWARDS

- Dean’s List, UC Berkeley Spring 2018 and Fall 2018
- Isidore Pomerantz Endowment Fund Award, UC Berkeley 2018