

ZHOU, CONGHAO

UC Santa Cruz
Physics Department
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CONTACT

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RESEARCH INTERESTS

Dark Matter · Gravitational Lensing · Galaxy Clusters · Intrinsic Alignment
Galaxy Morphology · Statistical Methods

EDUCATION

	University of California, Santa Cruz
2020 - Present	Ph.D. in Physics
2021 on Leave	Physics Department
	Thesis: <i>TBD</i>
	Advisors: TESLA E. JELTEMA, ALEXIE S. LEAUTHAUD
	Duke University
2020	B.A. in Physics with Highest Distinction
	Department of Physics
	Thesis: <i>Intrinsic Alignment in the redMaPPer Clusters in the Dark Energy Survey</i>
	Advisor: MICHAEL A. TROXEL

PUBLICATION

1. Resposne Bias in Cosmic Shear, in prep.
C.ZHOU & M.R. BECKER
2. Constraining the Optical Selection Bias of Galaxy Cluster Lensing with Multi-wavelength Data, in prep.
C.ZHOU, H.Y WU, A.N. SALCEDO, T.E. JELTEMA ET AL.
3. The Intrinsic Alignment of Red Galaxies in DES Y1 redMaPPer Galaxy Clusters , MNRAS Accepted
C. ZHOU, A. TONG, M.A. TROXEL, J. BLAZEK, C. LIN ET AL.

OUTREACH

2022 UC Santa Cruz Physics Outreach Taskforce

SERVICE

jan. 2023 APS Conference for Undergraduate Women in Physics at UC Santa Cruz Local Organizing Committee

aug. 2022 LSST DESC 2022 Chicago Meeting Science Organizing Committee

2022 - present DES Early Career Scientists Committee

2022 - present LSST DESC Mentoring Committee

TEACHING

2022 Fall Quantum Mechanics (TA)

2022 Summer Intermediate Physics Laboratory (TA)

2022 Spring Advanced Astrophysics Laboratory (TA)

3 times Introductory Physics Laboratory (TA)

September 13, 2023