

EDUCATION

University of California, Santa Cruz

B.S. in Physics (Astrophysics)

2018–2022

University of California, Santa Barbara

Graduate Student in Physics

2022–

PUBLICATIONS

1. **Jiamu Huang**, Douglas N. C. Lin and Gregory Shields, “Metal Enrichment due to Embedded Stars in AGN Discs”, to be submitted.
2. D. A. Starkey, **Jiamu Huang**, Keith Horne, and Douglas N. C. Lin, “[A Rippled Accretion Disc Model to Explain AGN Continuum Lags](#)”, 2023, MNRAS 519, 2754.

RESEARCH POSITIONS

- **Mentor** of Science Internship Program (SIP) at University of California, Santa Cruz Summer 2019
Project: Spectral Classification of Weak CN and Carbon Stars in M31 and M33

REFERENCES

- **Douglas N.C. Lin (林潮)** University of California, Santa Cruz
lin@ucolick.org
- **Prof. Puragra(Raja) GuhaThakurta** University of California, Santa Cruz
raja@ucolick.org
- **Gregory Shields** Director, Laguna Falls Institute for Astrophysics
shields@lfastro.org
- **Prof. Keith Horne** University of St. Andrews
kdh1@st-andrews.ac.uk
- **Prof. Ruth Murray-Clay** University of California, Santa Cruz
rmc@ucsc.edu

PRESENTATIONS

- *Pipeline comparison between Spec2d and Pypeit using Deimos HALO7d data,*
the 240th meeting of the AAS June 2022

TEACHING EXPERIENCES

- **Teaching Assistant** at University of California, Santa Barbara Winter 2023
Course: Physics 132, Stellar Structure and Evolution
- **Teaching Assistant** at University of California, Santa Barbara Fall 2022
Course: Physics 6AL, Introductory Experimental Physics

- **Learning Assistant** at University of California, Santa Cruz
Course: *Physics 5A, Introduction to Physics I*

Fall 2021

OUTREACH

- *Astrophotography and Astronomy*, at Beijing No.8 High School November 2020
- *Colors, Spectra of Different Astrophysical Objects*, at Beijing No.4 High School April 2021

SCHOLARSHIPS AND AWARDS

- UCSC Undergraduate Dean's Scholarship 2018–2021
- UCSC Dean's Honors List 2018–2021

TECHNICAL STRENGTHS

- **Programming Languages:** Python, FORTRAN, MATLAB
- **Packages/pipelines:** Astropy, Scipy, REBOUND, PyQSOFit, Spec2d, Pypeit, PyROA
- **Software:** CLOUDY, Maxim DL, Pixinsight