Jiamu Huang（黄嘉沐）

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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", 2023, MNRAS 525, 5702.

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 — Fall 2021
  Course: Physics 5A, Introduction to Physics I

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