

SHORT BIO

I completed my Ph.D. at Yunnan Observatories, Chinese Academy of Sciences and my undergraduate studies at Sichuan University. My primary research interests are in the field of asteroseismology. I am particularly interested in oscillations in low-mass main-sequence stars, subgiants, and red giants. I have extensive experience building asteroseismic models using the stellar structure and evolution program (MESA). In 2021, I was offered a postdoctoral position at the State Key Laboratory in Macao (China) to conduct Jovian seismology research.

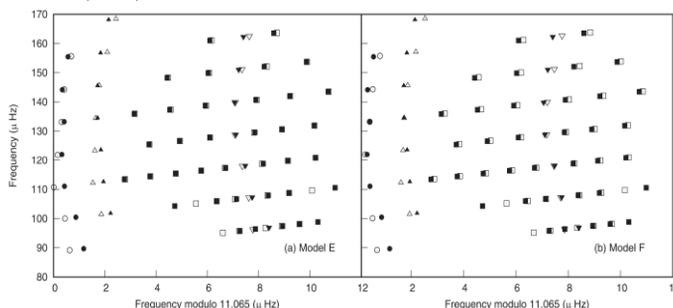
Dr.

Xinyi Zhang



PhD: Astrophysics – Yunnan Observatories, Chinese Academy of Sciences (YNAO)

Bachelor: Energy and Power Engineering – Sichuan University College London (SCU)



From Zhang et al. 2018

KEY PUBLICATIONS *(first author)*

Zhang, X., Li, Y., Wu, T., and Su, J. 2020

Determining the helium core size of KIC 9970396 by asteroseismology: a red giant approaching the RGB bump. **Monthly Notices of the Royal Astronomical Society**

Zhang, X., Wu, T., and Li, Y. 2018

Frequency Identification and Asteroseismic Analysis of the Red Giant KIC 9145955: Fundamental Parameters and Helium Core Size. **The Astrophysical Journal**

PROFESSIONAL EXPERIENCE

2021-Present– Macau University of Science and Technology, Macao (China) – Post Doctoral

GRANTS

2016-2017

Recognized as “Merit Student” in Chinese Academy of Sciences

2020 September

The Pollyanna Chu Scholarship