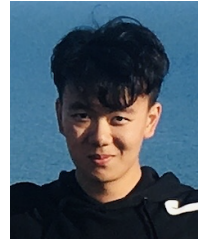


# Ran chen

✉ ranchen@pmo.ac.cn



## Personal Information

Surname: Chen

First Name: Ran

Gender: Male

Marital Status: Single

Date of birth: September 12, 1997

Address: Purple Mountain Observatory, Chinese Academy of Sciences

No.10 Yuanhua Road, Qixia District, Nanjing 210023, China

Place of birth: Chongqing, China



Citizenship: P. R. China

Telephone: +86-17361049126

Email Address: ranchen@pmo.ac.cn

ORCID: 0000-0002-3370-8721

## Education


- 2021 – present     **Ph.D. candidate** Purple Mountain Observatory (PMO) and University of Science and Technology of China (USTC), Supervisor: Prof. Yi-Zhong Fan
- 2017 – 2021     **Bachelor** Department of Physics, Sichuan University

## Research Interests

- Gravitational Waveforms from compact binaries in Modified Gravity.
- Test GR and beyond GR theory, using gravitational wave and electromagnetic wave observations.
- Explore Cosmology and Gravity from Astrophysical Stochastic Gravitational waves Background and Cosmological Stochastic Gravitational waves Background.
- Gravitational waves data analysis, using Bayesian Parameter Estimation or Machine Learning.



## Research Publications

### Journal Articles

- 1 R. Chen, Y.-Y. Wang, L. Zu, and Y.-Z. Fan, “Prospects of constraining  $f(T)$  gravity with the third-generation gravitational-wave detectors,” *Phys. Rev. D*, vol. 109, no. 2, p. 024 041, 2024.  DOI: 10.1103/PhysRevD.109.024041. arXiv: 2401.01567 [gr-qc].

## Experience





### Summer school attended

- 2019     Two Week Science in Oxford Program of "Dachuan Vision" Overseas Study Program for College Students of Sichuan University, Hertford College, Oxford
- 2020     Chinese Academy of Sciences and International Centre for Theoretical Physics Asia-Pacific Gravitational Wave Summer School: Consortium of Gravitational Wave Detection Program in Space-Taiji Program, Online

## Experience (continued)



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### Conference/Seminar

- 2023     2023 Annual Academic Meeting of the Gravitational and Relativistic Astrophysics Branch of the Chinese Physical Society
-  National Asia-Pacific School and Workshop on Gravitation and Cosmology (APSW-GC), Hangzhou, China
-  2023 Academic Annual Meeting of the Chinese Astronomical Society, Weihai, China
-  International Conference on Modified Gravity 2023 (MOGRA 2023), Wuhan, China



## Skills

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- Languages     Strong reading, writing and speaking competencies for English, Mandarin Chinese.
- Coding        Python, Mathematica, Matlab,  $\text{\LaTeX}$ , ...

## Awards

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- 2021     Merit graduate in Sichuan University
- 2022     Doctoral First-class academic scholarship in USTC