

Xiaoyang WEI

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📍 Beijing, China (Guangzhou, China)

Education

Ph.D. in Astronomy 2025 – present
Tsinghua University, Department of Astronomy
Advisor: Prof. Zheng CAI

B.Sc. in Astronomy 2021 – 2025
Sun Yat-Sen University, School of Physics and Astronomy
GPA 4.17/5 — Ranking 1/24
Thesis: “Joint Inference for True-Redshift Distribution with Self-Calibration and Clustering-Redshifts”
Advisor: Prof. Kwan Chuen CHAN

Publications

- Xiaoyang Wei, Zheng Cai*, Fujiang Yu, Mingyu Li, Yunjing Wu
“Pre-Virialized Assembly at Cosmic Dawn: The Dynamics and Extreme Ionization of Compact Group CGG-z7 at $z \sim 7.04$ ”, *arXiv preprint*, 2026

Honors & Awards

National Scholarship	Nov. 2024
The First Prize Scholarship for Outstanding Students at Sun Yat-Sen University	Nov. 2024
Discipline Competition Special Scholarship of Sun Yat-Sen University	Nov. 2023
The First Prize Scholarship for Outstanding Students at Sun Yat-Sen University	Dec. 2023
National Scholarship	Nov. 2022
The First Prize Scholarship for Outstanding Students at Sun Yat-Sen University	Nov. 2022

More Research Experience

- Research On Gravitational Wave Signals From Phase Transitions in Early-Universe Nov. 2022-Feb. 2024
Supervisor: Prof. Fapeng HUANG
- Encoding-statistic of large-scale structures (Project Leader) Dec. 2023-Dec. 2024
Supervisor: Prof. Xiaodong LI

Skills

- Python, Linux, \LaTeX , Mathematica, MS Office
- Language: Cantonese(First Language), Chinese, English