

Xiangyu Zhang

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RESEARCH INTERESTS

Interstellar medium | 3D dust maps of MW | Stellar parameters from low-resolution spectroscopy | Gaia

EDUCATION

Graduate student

2021-now

Max Planck Institute for Astronomy (MPIA), Heidelberg

Bachelor's degree for natural science

June 2021

Department of physics, Tsinghua University (THU), Beijing

PUBLICATIONS

Zhang, X., Green, G., & Rix, H.-W. (2023) *Parameters of 220 million stars from Gaia BP/RP spectra*. Monthly Notices of the Royal Astronomical Society **524**, no. 2 (2023): 1855-1884.

Zhang, X., et al. (2020). *OGLE-2015-BLG-1771Lb: A Microlens Planet Orbiting an Ultracool Dwarf?*. The Astronomical Journal, **159**(3), 116.

Yang, H., **Zhang, X.**, et al. (2020). *KMT-2016-BLG-1836Lb: A Super-Jovian Planet from a High-cadence Microlensing Field*. The Astronomical Journal, **159**(3), 98.

PRESENTATIONS

(Click the link for poster/website)

1. Variation of extinction curves from PS1, 2MASS, WISE & Gaia | Interstellar Institute, July 2022 @ Institut Pascal, Saclay
2. Stellar parameters of 220 million stars from Gaia XP spectra | MPIA Science day, December 2022 @ MPIA, Heidelberg
3. Stellar parameters from Gaia XP spectra using a forward model | Gaia XPloration, May 2023 @ IoA, Cambridge
4. A 3D Rv map based on Gaia XP spectra | August 2023 @ DoA, Tsinghua University, Beijing
5. Inferred stellar parameters from 220 million XP spectra using an empirical forward model | [Seminar, August 2023 @ NAOC, Beijing](#)
6. Inferred stellar parameters from 220 million XP spectra using an empirical forward model | [Seminar, August 2023 @ KIAA, PKU, Beijing](#)