ZHANG ZEKANG

PERSONAL INFORMATION

Date of Birth	16 May 1997
Address	80 Nandan Rd. Shanghai, 200030 China
Email	zhangzekang@shao.ac.cn
Phone	+086 13880428875
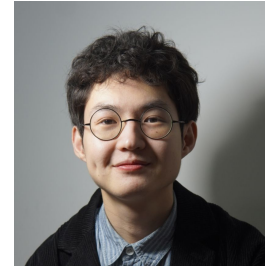
INTERESTS

Epoch of Reionization; Weak gravitational lensing cosmology; High-z galaxies; Dark universe; Machine learning

EDUCATION

Master of Astrophysics | 2021-2023 | Shanghai Astronomical Observatory
Shanghai, China
Two-year Research

2020-2021 | University of Chinese Academy of Sciences
Beijing, China
GPA 8.4/10.0

Bachelor of Physics | 2015-2019 | Jilin University
Jilin, China
GPA 8.2/10.0

PUBLICATIONS & EXPERIENCES

2020-2023 | Member of the cosmic shear science team for the Chinese Space Station Telescope

Deeply involved in building up an end-to-end pipeline for cosmic shear science. Developing a new galaxy shape measurement method using Deep Learning technique.

2020-2023 | Member of the reionization science team of SKA China

Constrained the EoR 21-cm signals using high-z galaxy UV LF observation. Focusing on constraining none-standard dark matter models utilising redshifted 21-cm line.

Submitted to MNRAS | 2022 | "Impact of the turnover in the high-z galaxy luminosity function on the 21-cm signal during Cosmic Dawn and Epoch of Reionization"

SKILLS

Programming | PYTHON, LaTeX, Linux, Matlab

Language | ENGLISH (Academic talk and writing)