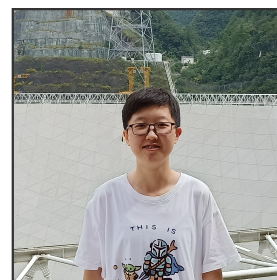


Chen Xu

PHD CANDIDATE · NAOC

National Astronomical Observatories, Chinese Academy of Sciences, Beijing, 100101, China

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Personal Information

Gender: **Female**

Nationality: **Chinese**

Date/Place of Birth: **1999.05**, Qinhuangdao, Hebei Province, China

Research Interest: **HI galaxy survey**, radio astronomy, Galaxy formation and evolution

Education

National Astronomical Observatories, Chinese Academy of Sciences (NAOC)

Beijing, China

PHD IN ASTROPHYSICS

2021.07 - present

- Advisor: Dr. Jie Wang

University of Chinese Academy of Sciences (UCAS)

Beijing, China

PHD IN ASTROPHYSICS

2021.07 - present

- School of Astronomy and Space Science

Jilin University (JLU)

Changchun, China

BS DEGREE IN PHYSICS

2017.09 - 2021.07

- School of Physics

Professional Experience

2019-
present

Key member of HiFAST Work Group, NAOC

Publications

PUBLISHED

Chen Xu, Jie Wang, Yingjie Jing et al. HiFAST: An H I data calibration and imaging pipeline for FAST III. Standing Wave Removal, 2025 RAA. 25 015011

Yingjie Jing, Jie Wang, **Chen Xu** et al. HiFAST: An H I data calibration and imaging pipeline for FAST, SCIENCE CHINA Physics, Mechanics & Astronomy, Volume 67, Issue 5, 2024, Pages 259514-, ISSN 1674-7348

Ziming Liu; Jie Wang; Yingjie Jing; Zhiyu Zhang; **Chen Xu** et al. RAA, HiFAST: An HI Data Calibration and Imaging Pipeline for FAST II. Flux Density Calibration.

More publications can be found on my ADS library, [click here](#).

IN PREP

Chen Xu, Jie Wang, Yingjie Jing et al. The HHD Survey Data Release

Awards, Fellowships, & Grants

2024	2nd Astronomy Popular Science Collection Activity, 1st prize (collaborated) , Astronomy Popular Science Work Collaboration Group	
2024	Science Fiction and Popular Science Essay Contest, 1st prize for Popular Science and 3rd prize for sci-fiction , UCAS	RMB 5000 & 1000
2023	Science Fiction and Popular Science Essay Contest, excellent prize , UCAS	RMB 500
2022	3 good student , UCAS	
2021	Undergraduate Scholarship , UCAS	RMB 1000
2018-2021	First Class Scholarship , JLU	RMB 2000 /yr

Presentations

2024.11.19. *A Pilot Survey for the Hundred-deg² HI Deep (HD2) Survey: Optical Counterparts and Scaling Relations with DESI*. Annual meeting of the FAST project in PKU/KIAA.

2023.10.26. *Low-z HI Extragalactic Surveys of FAST: Observations, Data Reduction and some Early Results*. Invited talk on USTC Journal Club (Online).

2021.11.23. *Introduction of Ripples Removal and RFI Flagging in HiFAST*. HiFAST Tech meeting in Beijing.

Teaching Experience

20xx - 20xx **None**, xx

xx

Mentoring

20xx-20xx **None**, Position, University

Outreach & Professional Development

SERVICE AND OUTREACH

- 2024- **Outstanding Astronomy Contributor on Zhihu**, [click here to view](#)
- 2021-2023 **University of Chinese Academy of Sciences Astronomical Association**, Key member of the Science Popularization Department and Spring Equinox Project
- 2018-2019 **Jilin University Astronomy Society**, Head of the Academic Department

OBSERVING EXPERIENCE

More than 25 hours of observation using FAST and practical data reduction experience on single dish.

PROFESSIONAL MEMBERSHIPS

Head of the HI Discussion Small Group among PhD students and postdocs.