Qifeng Huang

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Education

PhD in Astrophysics **Sept 2022 – Present (expected in June 2027)**
Kavli Institute for Astronomy and Astrophysics, Peking University. *Beijing, China*

Bachelor of Science in Astronomy **Sept 2018 – June 2022**
Department of Astronomy, University of Science and Technology of China. *Anhui, China*

Honors and Awards

- NAOC Scholarship, National Astronomical Observatory of China Dec 2021
- China National Scholarship Sept 2021

Publications

Referred

- **Huang, Q.** & Fan, L. 2022, ApJS, 262, 39, doi: 10.3847/1538-4365/ac85b1. Massive Early-type Galaxies in the HSC-SSP: Flux Fraction of Tidal Features and Merger Rates.
- **Huang, Q.**, Wang, J., Lin, X., et al. 2025, ApJ, 980, 157, doi: 10.3847/1538-4357/ad9579. WALLABY Pilot Survey: Star Formation Enhancement and Suppression in Gas-rich Galaxy Pairs.
- Wang, J., Yang, D., Lin, X., **Huang, Q.**, et al. 2025, ApJ, 980, 25, doi: 10.3847/1538-4357/ada95a. FEASTS: Radial Distribution of HI surface densities down to $0.01 \mathrm{M}_{\odot}\ \mathrm{pc}^{-2}$ of 35 Nearby Galaxies

Submitted

- Ellison, S.L., **Huang, Q.**, Yang, D., et al. 2025, submitted to OJAp, Low redshift post-starburst galaxies host abundant HI reservoirs. (arxiv: 2503.03066)

Presentations

Oral talks

- March 5, 2024. DenseGAS ALMA Workshop @ Osaka. Title: Star formation enhancement for gas-rich galaxy pairs in WALLABY
- May 17, 2024. CSST Annual Science Meeting @ Hangzhou. Title: Star formation enhancement for gas-rich galaxy pairs in the local Universe
- 20 talks at KIAA/PKU galaxy&AGN journal club (2022-2025)

Posters

- May 19-22, 2023. The 25th Guo Shoujing Academic Symposium @ Huangshan City. Title: Massive Early-type Galaxies in the HSC-SSP: Flux Fraction of Tidal Features and Merger Rates.

Observation Proposals

Five-hundred-meter Aperture Spherical radio Telescope (FAST)

- Formation of the Extended Ultraviolet Disk in NGC 4625 (PT2023–0113, **PI**, 15.0 hrs).
- A systematic survey of atomic gas in post-starburst galaxies (PT2023–0049, **Co-I**, 24.8 hrs).
- The evolution of the atomic gas fraction in post-merger galaxies (PT2024–0047, **Co-I**, 10.0 hrs).
- Building a statistical sample of HI emission in fast radio burst host galaxies (PT2024–0093, **Co-I**, 4.0 hrs).
- Exploring the Extended Gas Structures of NGC 6240: Insights into Merger-Driven Galaxy Evolution (PT2024–0215, **Co-I**, 10.0 hrs).

IRAM 30-meter telescope

- A complete and systematic survey of gas in post-starburst galaxies (I: 144-23 Winter 2023, **Co-I**, 73.8 hrs; II: 081-24 Summer 2024, **Co-I**, 59.8 hrs).

Languages

- Mandarin (native)
- English
- Japanese (beginner)

latest update: Mar 17, 2025