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RESEARCH INTERESTS —

Galaxy Evolution, Galaxy Structure, High Redshift Galaxies, Chemical Abundances

EDUCATION –

Msc(Astronomy) 2023-2026

University of Science and Technology of China, Hefei, People's Republic of China Purple Mountain Observatory, CAS, Nanjing, People's Republic of China

- ✓ GPA: 3.37/4.3
- √ Related coursework:

Galactic Astronomy, Radiative Processes in Astrophysics, Astronomical software and programming technology, Fundamental Astrophysics, Cosmology, Radio Astronomy, Statistical Methods in Astrophysics

Bsc(Physics) 2019 - 2023

Jilin Unversity, Changchun, People's Republic of China

- √ Related coursework:
 - Mathematics: Advanced Mathematics, Linear Algebra, Probability Theory.
 - Physics: Thermodynamics and Statistical Mechanics, Electrodynamics, Computational Physics), Mechanics, Optics, Thermodynamics, Electromagnetism, Theoretical Mechanics, Mechanical Engineering, and Physics. Magnetism, Theoretical Mechanics.

RESEARCH PROJECTS –

Disclosing Submillimeter Galaxy Formation: Mergers or Secular Evolution?

- √ Status: Accepted by ApJ (Independent Research Project)
- ✓ Purpose: Investigate formation mechanisms of Sub-millimeter Galaxies (SMGs) using morphological diagnostic tools
- √ Methods:

Classified bulge types using Sérsic index, bulge-to-total-luminosity-ratio, CAS system, Gini-M20 plot, and stellar bar identification

- √ Findings & Conclusion:
 - Identified 24% with merger signatures and 7% with clear stellar bar
 - Majority of SMGs clusters in the area with high B/T but low sérsic
 - Secular evolution takes precedence over mergers, in which merger acts only as a booster for star formation activities, suggesting that filamentary gas inflow plays a key role in bulge formation
- ✓ Extra Info: This work has sparked attention and interest from peers worldwide, including Dr. Anton M. Koekemoer from the Space Telescope Science Institute (STScI).

CERTIFICATIONS & AWARDS —

- \checkmark China National Scholarship (for top 0.2% students nationwide) 2025
- √ Honorable Mention The Mathematical Contest in Modeling(MCM) 2022

SKILLS -

Tech-related

- Python
- Linux Commands

Languages

- Chinese (Mandarin + Cantonese): Native
- English: Second language, Fluent
- ✓ IELTS: Listening 7.5, Reading 8.5, Writing 7.0, Speaking 6.5 Overall band Score - 7.5
- ✓ CET4: 590, CET6: 589

Typesetting

- LATEX: