

Mi Chen

Birth Date: June 19, 1999 | Marital Status: In an unmarried partnership
Landleven 12, 9747 AD

 [Chenmi0619](#) |  chenmi@astro.rug.nl |  +31 613120460

RESEARCH INTERESTS

Galaxy Formation and Evolution, Statistical Methods, Artificial Intelligence.

EDUCATION

Nov. 2024 - **Ph.D. Astrophysics**

Kapteyn Astronomical Institute, The University of Groningen, Groningen, Netherlands
Supervisors: Karina I. Caputi, Lingyu Wang

2022 - 2024 **M.Sc. Astrophysics (Research Period)**

Shanghai Astronomical Observatory, Chinese Academy of Sciences, Shanghai, China
Supervisors: Rafael S de Souza, Shiyin Shen

2021 - 2022 **M.Sc. Astrophysics (Taught Period)**

The University of Chinese Academy of Sciences, Beijing, China

2017 - 2021 **B.Sc. Astronomy and Planetary Science**

Shandong University, Shandong, China
Supervisor: Hongxing Yin

COLLABORATIONS

2025 - **Euclid**

2022 - **COIN: The Cosmostatistics Initiative**

AWARDS

2023 **Excellent Student in Chinese Academy of Sciences**, by SHAO

2023 **Merit Student**, by SHAO

2023 **Outstanding Student Scholarship (Grade 1)**, by SHAO. Total Amount: ¥10,000

2021 **Outstanding Graduates**, by Shandong University

2019 **Fellowships of National Astronomical Observatory, CAS** Total Amount: ¥10,000

2018 **Fellowships of National Astronomical Observatory, CAS** Total Amount: ¥10,000

2018 **Outstanding Student Scholarship (Grade 2)**, by Shandong University. Total Amount: ¥2,000

CODING SKILLS

Python, Torch, R, Matlab, Fortran, Latex, Markdown

INTERNATIONAL CONFERENCE

Sept 2022 **COIN-Focus Programme**

TRAVEL EXPERIENCE

Exchange

July 2019 **Visiting student:** National Astronomical Observatory, CAS
Apr-Jun 2021 **Visiting student:** Shanghai Astronomical Observatory, CAS
Nov 2022-Jan 2023 **Visiting student:** Federal University of Rio Grande do Sul, Brazil

Schools

July 2022 **Participant:** CSST Galaxy Scientific Summer Program

OUTREACH

Astronomy Association of Shandong University at Weihai

Chair (2019-2020), **Minister** in observation department (2018-2019), **Member** (2017-2018)

- **Volunteer work** in the International Astronomy Olympiad (2017).
- **LOC** Chinese Astronomy Association Forum (2019).
- **LOC** Chinese undergraduate Astronomical Innovation Contest (2019).
- Introduce the 30cm reflecting telescope in Weihai Observatory to the public.
- Organize Sidewalk astronomy and field observation regularly.

Shanghai Astronomical Observatory Technical Innovation Workstation

Member (2022), **Leader** (2023) of Group Hubble's Law

- **Teaching** high school student the background and usage of Hubble's Law.

REFERENCE

Lingyu Wang  University of Groningen
Rafael S. de Souza  University of Hertfordshire
Shiyin Shen  Shanghai Astronomical Observatory, CAS
Ana L. Chies-Santos  Universidade Federal do Rio Grande do Sul

PUBLICATIONS

- **Chen, M.**, and de Souza, R. S., Xu, Q., Shen, S., Chies-Santos, A. L., Ye, R., ... Cong, Y. (2024). *GalMOSS: GPU-accelerated Galaxy Profile Fitting*. Astronomy and Computing, 100825.
 [10.1016/j.ascom.2024.100825](https://doi.org/10.1016/j.ascom.2024.100825)  [2404.07780](https://arxiv.org/abs/2404.07780)
- Ye, R., and Shen, S., de Souza, R. S., Xu, Q., **Chen, M.**, Chen, Z., ... Durgesh, R. (2025). *From Galaxy Zoo DECaLS to BASS/MzLS: detailed galaxy morphology classification with unsupervised domain adaption*. MNRAS, 537(2), 640-649.
 [10.1093/mnras/staf025](https://doi.org/10.1093/mnras/staf025)  [2412.15533](https://arxiv.org/abs/2412.15533)
- S., de Souza, and R., Dahmer-Hahn, L. G., Shen, S., Chies-Santos, A. L., **Chen, M.**, Rahna, P. T., ... Tahmasebzadeh, B. (2025). *capivara: a spectral-based segmentation method for IFU data cubes*. MNRAS, 539(4), 3166-3179.
 [10.1093/mnras/staf688](https://doi.org/10.1093/mnras/staf688)  [2410.21962](https://arxiv.org/abs/2410.21962)
- Xu, Q., and Shen, S., de Souza, R. S., **Chen, M.**, Ye, R., ... Durgesh, R. (2023). *From Images to Features: Unbiased Morphology Classification via Variational Auto-Encoders and Domain Adaptation*. MNRAS, 526(4), 6391-6400.
 [10.1093/mnras/stad3181](https://doi.org/10.1093/mnras/stad3181)  [2303.08627](https://arxiv.org/abs/2303.08627)