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AI-YL



EXPERIENCE

PostDoc

Shanghai Jiao Tong University

Feb 2022 – Ongoing

Shanghai

PROJECTS

Project 1

Measuring the X-ray Properties of Galaxy Groups

2022 – Ongoing

- Measuring the X-ray Luminosities for DESI groups using eROSITA.

Project 2

Tracing the Assembly Histories for Galaxy Groups with different Compactness

2021 – Ongoing

- Using the mock data based on different cosmological simulations.
- Investigating the biases from the group finders.

PUBLICATIONS

Journal Articles

- Zheng, Y.-L., Shen, S.-Y., & Feng, S. (2022). The Compactness of Galaxy Groups in the Sloan Digital Sky Survey., 926(2), 119. doi:10.3847/1538-4357/ac43ba. arXiv: 2112.07871 [astro-ph.GA]
- Zheng, Y.-L., & Shen, S.-Y. (2021). Compact Groups of Galaxies in Sloan Digital Sky Survey and LAMOST Spectral Survey. II. Dynamical Properties of Isolated and Embedded Groups., 911(2), 105. doi:10.3847/1538-4357/abeaa2. arXiv: 2102.12804 [astro-ph.GA]
- Zheng, Y.-L., & Shen, S.-Y. (2020). Compact Groups of Galaxies in Sloan Digital Sky Survey and LAMOST Spectral Survey. I. The Catalogs., 246(1), 12. doi:10.3847/1538-4365/ab5c26. arXiv: 1911.11478 [astro-ph.GA]