



## Ningyue Fan

Ph.D. Student in Physics, admitted Autumn 2025

### Bio

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#### EDUCATION AND CERTIFICATIONS

- B. Sc., Fudan University , Physics (2025)

### Publications

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#### PUBLICATIONS

- **Systematic Assessment of Disk Truncation in the Black Hole X-Ray Binary Swift J1727.8-1613 Using NICER** *ASTROPHYSICAL JOURNAL*  
Konig, O., Steiner, J. F., Bollemeijer, N., Connors, R. M. T., Dauser, T., Dovciak, M., Fan, N., Garcia, J. A., Horn, D., Ingram, A., Lucchini, M., Mastroserio, G., Miller, et al  
2026; 1003 (1)
- **Exploring the Spin Dependence on Mass Inclination and Distance for the Newly Discovered Black Hole X-Ray Binary Swift J151857.0-572147** *ASTROPHYSICAL JOURNAL*  
Song, Y., Steiner, J. F., Zhao, T., Zhang, Y., Fan, N., Konig, O., Ubach Ramirez, S., Wong, J., Gou, L., Garcia, J. A.  
2026; 999 (2)
- **Possible Coronal Geometry in the Hard and Soft States of Black Hole X-Ray Binaries from MONK Simulations** *ASTROPHYSICAL JOURNAL*  
Fan, N., Bambi, C., Steiner, J. F., Zhang, W.  
2025; 995 (1)
- **X-Ray Reflection Spectroscopy with Improved Calculations of the Emission Angle** *ASTROPHYSICAL JOURNAL*  
Huang, Y., Liu, H., Mirzaev, T., Fan, N., Bambi, C., Zhang, Z., Dauser, T., Garcia, J. A., Ingram, A., Jiang, J., Mastroserio, G., Riaz, S., Shashank, et al  
2025; 989 (2)
- **NICER Spectral and Timing Analysis of 4U 1630-47 and Its Heartbeat State** *ASTROPHYSICAL JOURNAL*  
Fan, N., Steiner, J. F., Bambi, C., Kara, E., Zhang, Y., Konig, O.  
2025; 984 (1)
- **The 2018 Outburst of MAXI J1820+070 as Seen by Insight-HXMT** *ASTROPHYSICAL JOURNAL*  
Fan, N., Li, S., Zhan, R., Liu, H., Zhang, Z., Bambi, C., Ji, L., Ma, X., Steiner, J. F., Zhang, S., Zhou, M.  
2024; 969 (1)