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**Employment** 

Postdoc, Institute of High Energy Physics, Beijing, China

2020.11-present

Education

Institute of High Energy Physics, Chinese Academy of Science

2015.09-2020.09

Ph.D degree in High Energy Astrophysics

Supervisor: Liming Song

Thesis title: Study of the high-energy properties of pulsars observed by Insight-HXMT

Yunnan University, Kunming, China

2011.09-2015.06

Bachelor's degree in Mathematics and Physics

Computer Skills

Operating systems: MacOS, Windows, GNU/Linux.

languages: Python, GNU Bash, C++, LATEX

Scientific softwares HXMTDAS, heasoft, Xspec, TEMPO2

Refereed Publications There are 4 papers published as first/second author; 2324 citation in total, including 20 citations of the first/second-author publications.

(† : 1<sup>st</sup>/2<sup>nd</sup> author) 13. NASA/ADS Library Link

3. On-ground and on-orbit time calibrations of GECAM

Xiao, S. Liu, Y. Q.; Peng, W. X.; An, Z. H.; Xiong, S. L.; Tuo, Y. L.;, ..., and Zhang, S. N. Accepted for publication by MNRAS, 2022

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- 11. Relation of Cyclotron Resonant Energy and Luminosity in a Strongly Magnetized Neutron Star GRO J1008-57 Observed by Insight-HXMT

  Chen, X.; Wang, W.; Tang, Y. M.; Ding, Y. Z.; Tuo, Y. L.;, ..., and J.L. Qu, ApJ, 919, 33, 2021
- 10.† In-orbit timing calibration of the Insight-Hard X-ray Modulation Telescope; Tuo Youli, Li Xiaobo, Ge Mingyu, ..., and Li Bing, Accepted for publication by ApJS, 2021;
- 9. Estimating the Black Hole Spin for the X-Ray Binary MAXI J1820+070 Zhao, Xueshan; Gou, Lijun; Dong, Yanting; Tuo, Youli; Liao, Zhenxuan; Li, Yufeng; Jia, Nan; Feng, Ye; Steiner, James F., ApJ, 916(2), 14, 2021
- 8. Spectral evolution of X-ray pulsar 4U 1901+03 during the 2019 outburst based on Insight-HXMT and NuSTAR observations

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5.† Insight-HXMT insight into switch of the accretion mode: The case of the X-ray pulsar 4U 1901+03

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4.† Insight-HXMT observations of the Crab pulsar

Y.L. Tuo, M.Y.Ge, L.M. Song, L.L. Yan, Q.C.Bu, and J.L. Qu., Research in Astronomy and Astrophysics, 19, 087, 2019

- 3. Time evolution of the X-ray and gamma-ray fluxes of the Crab pulsar L.L. Yan, M.Y. Ge, F.J. Lu, S.J. Zheng, Y.L. Tuo, Z.J. Li, J.L. Qu, ApJ,865(1), 21, 2018
- 2. Multi-messenger Observations of a Binary Neutron Star Merger
  Abbott, B. P.; Abbott, R.; Abbott, T. D, ..., Tuo, Y. L.; and 3673 more, ApJL, 848, L12, 2017
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## Submitted Publications

 Study on the X-ray pulse profile and spectrum of the Crab pulsar using NICER and Insight-HXMT's Observations

Lin-Li Yan, You-Li Tuo, Ming-Yu Ge, Fang-Jun Lu, Shi-Jie Zheng, and Ling-Jun Wang, submitted to ApJ