

## PUBLICATION LIST

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Yifan Wang (also published under the name Yi-Fan Wang)

December 19, 2020

My profile in INSPIRE (excluding the collaboration papers of LIGO and Virgo)

Papers:10, Citations:211, h-index:7, Citations/paper (avg): 21.1

Preprint

- **Gravitational-Wave Implications for the Parity Symmetry of Gravity at GeV Scale**

*arXiv: 2002.05668, under review*

Yi-Fan Wang, Rui Niu, Tao Zhu, Wen Zhao

Published:

- **Search for gravitational waves from high-mass-ratio compact-binary mergers of stellar mass and sub-solar mass black holes**

*Physical Review Letters accepted arXiv: 2007.03583*

Alexander Harvey Nitz, Yi-Fan Wang

- **Searching for primordial black holes with stochastic gravitational-wave background in the space-based detector frequency band**

*Phys. Rev. D 101, 063019 (2020) arXiv: 1910.07397*

Yi-Fan Wang, Qing-Guo Huang, Tjonnie G.F. Li, Shihong Liao

- **Science with the TianQin observatory: Preliminary results on massive black hole binaries**

*Phys. Rev. D 100, 043003 (2019) arXiv: 1902.04423*

Hai-Tian Wang, Zhen Jiang, Alberto Sesana, Enrico Barausse, Shun-Jia Huang, Yi-Fan Wang, Wen-Fan Feng, Yan Wang, Yi-Ming Hu, Jianwei Mei, Jun Luo

- **Potential observations of false deviations from general relativity in gravitational wave signals from binary black holes**

*Phys. Rev. D 98, 024019 (2018) arXiv: 1802.03306*

Peter T.H. Pang, Juan Caldern Bustillo, Yifan Wang, and Tjonnie G. F. Li

- **Constraints on the sum of neutrino masses using cosmological data including the latest extended Baryon Oscillation Spectroscopic Survey DR14 quasar sample**

*Chinese Physics C Vol. 42, No. 6 (2018) 065103 arXiv: 1707.00588*

Sai Wang, Yi-Fan Wang, Dong-Mei Xia

- **Constraints on the Primordial Black Hole Abundance from the First Advanced LIGO Observation Run Using the Stochastic Gravitational-Wave Background**

*Phys. Rev. Lett.* 120, 191102 (2018) *arXiv: 1610.08725*

Sai Wang, Yi-Fan Wang, Qing-Guo Huang, and Tjonnie G.F. Li

(This work was reported as a research highlight by *Nature Physics*.)

- **Impacts of dark energy on weighing neutrinos: mass hierarchies considered**

*Phys. Rev. D* 94, 083519 (2016) *arXiv: 1608.00672*

Sai Wang, Yi-Fan Wang, Dong-Mei Xia and Xin Zhang

- **Smoothing methods comparison for CMB E- and B- modes**

*Research in Astronomy and Astrophysics* 16, 4 (2016) *arXiv: 1511.01220*

Yi-Fan Wang, Kai Wang, Wen Zhao

Review Papers:

- **The TianQin project: current progress on science and technology**

*Prog. Theor. Exp. Phys.* 2020, 0000 *arXiv: 2008.10332*

Jianwei Mei, ..., Yi-Fan Wang, et al.

Collaboration Papers:

I am also in the author list of all the papers that were published by LIGO and Virgo collaboration from the year 2017 - 2019.