



# Wang-Wei Yu

## Curriculum Vitae

### Experience

2018–present **Research assistant**, *Institute of Theoretical Physics, Chinese Academy of Sciences*, Beijing China.

### Education

2018–present **Ph.D. Candidate in Theoretical Physics**, *Institute of Theoretical Physics, Chinese Academy of Sciences*.

*Advisor:* Prof. Rong-Gen Cai

2014–2018 **Bachelor of Science in Theoretical Physics**, *Lanzhou University*.

*Advisor:* Prof. Yu-Xiao Liu

### Reference

Rong-Gen Cai [cairg@itp.ac.cn](mailto:cairg@itp.ac.cn), Institute of Theoretical Physics, Chinese Academy of Sciences.

Zong-Kuan Guo [guozk@itp.ac.cn](mailto:guozk@itp.ac.cn), Institute of Theoretical Physics, Chinese Academy of Sciences.

Guo

xxxx [xxxx@xxx](mailto:xxxx@xxx), xxx.

### Publications

Summary The full list of publications are provided, see my [INSPIRE](#). The Bibliometric metrics: 6 papers (5 published), 83 citations, 13.8 average citations paper, h-index=5, m-index=2.5.

Interests Hubble Tension, Gravitational-Waves Physics.

List Wang-Wei Yu, Li Li, & Shao-Jiang Wang, *First detection of the Hubble variation correlation and its scale dependence*, [[arXiv:2209.14732](#)]

Rong-Gen Cai, Zong-Kuan Guo, Shao-Jiang Wang, Wang-Wei Yu & Yong Zhou, *No-go guide for late-time solutions to the Hubble tension: Matter perturbations*, [Phys. Rev. D 106, 063519](#), [[arXiv:2202.12214](#)]

Rong-Gen Cai, Chengjie Fu & Wang-Wei Yu, *Parity violation in stochastic gravitational wave background from inflation in Nieh-Yan modified teleparallel gravity*, *Phys. Rev. D* **105**, 103520, [arXiv:2112.04794]

Rong-Gen Cai, Zong-Kuan Guo, Shao-Jiang Wang, Wang-Wei Yu & Yong Zhou, *No-go guide for the Hubble tension: Late-time solutions*, *Phys. Rev. D* **105**, L021301, [arXiv:2107.13286]

Rong-Gen Cai, Zong-Kuan Guo, Li Li, Shao-Jiang Wang, & Wang-Wei Yu, *Chameleon dark energy can resolve the Hubble tension*, *Phys. Rev. D* **103**, L121302, [arXiv:2102.02020]

Rong-Gen Cai, Jia-Feng Ding, Zong-Kuan Guo, Shao-Jiang Wang, & Wang-Wei Yu, *Do the observational data favor a local void?*, *Phys. Rev. D* **103**, 123539, [arXiv:2012.08292]

## Awards

- 2022 Merit student of Chinese Academy of Sciences
- 2016,2017 National Scholarship, Ministry of Education
- 2015,2017 Excellent Student Scholars of Lanzhou University
- 2015,2016,2017 Student pacesetter of Lanzhou University

## Computer skills

- Programming languages Python, Fortran, C, C++, JavaScript, Bash
- Tools Mathematica,  $\LaTeX$ , Git, Vim, Matlab and so on
- Cosmological software EMCEE, CosmoMC, CAMB, Bilby, Astropy, Dynesty, PyMultiNest, xAct(and extensions), Enterprise(extensions) and so on
- Other skill Job management on HPC clusters

## Languages

- Chinese **Mothertongue**
- English **Conversationally fluent**

## Seminars and conference talks

- Session talk **No-Go Guide for the Hubble Tension**, *23rd International Conference on General Relativity and Gravitation (GR23)*, July 2022, [Slides] [video].
- Forum talk **Can Local Physics Resolve the Hubble Tension?**, *Particle Physics and Cosmology Forum*, July 2021.
- Session talk **Dose the observational data favor a local void?**, *2020/2021 Annual Meeting of Division of Gravity and Relativistic Astrophysics, Chinese Physical Society*, April 2021.