

张佳骏 Jiajun Zhang (BRID: 08688.00.03219) Resume

Shanghai Astronomical Observatory, CAS Astrophysics Division, Associate Researcher

Education:

- (1) 2013-08 至 2017-09, The Chinese University of Hong Kong, Physics, Doctor
- (2) 2009-08 至 2013-07, Fudan University, Physics, Bachelor

Postdoctoral work experience:

- (1) 2019-09 - 2021-09, Institute for Basic Science, Korea
- (2) 2017-09 - 2019-09, Shanghai Jiao Tong University, China

Research and work experience (Except Postdoctoral work experience) :

- (1) 2021-09 - , Shanghai Astronomical Observatory, CAS, Associate Researcher

Research projects the applicant has undertaken either as PI or participant in the last 5 years:

- (1) 国家自然科学基金委员会, 面上项目, 12473003, 利用21厘米强度映射限制暗物质暗能量相互作用, 2025-01-01 至 2028-12-31, 52万元, 在研, 主持
- (2) 国家自然科学基金委员会, 重点项目, 11835009, 基于重子声学振荡信号的宇宙学前沿问题理论研究, 2019-01-01 至 2023-12-31, 300万元, 结题, 参与
- (3) 中华人民共和国科学技术部, 国家重点研发计划 青年科学家项目, 2022YFF0504300, 宇宙黑暗时代与黎明的空间超长波观测研究, 2022-12 至 2027-11, 500万元, 在研, 参与

Representative research achievements and academic awards

- (1) **Jiajun Zhang** ; Rui An ; Wentao Luo ; Zhaozhou Li ; Shihong Liao ; Bin Wang ; The First Constraint from SDSS Galaxy -Galaxy Weak Lensing Measurements on Interacting Dark Energy Models, *The Astrophysical Journal*, 2019, 875(2)
- (2) **Jiajun Zhang** ; André A. Costa ; Bin Wang ; Jian-hua He ; Yu Luo ; Xiaohu Yang ; The Parameter free Finger-of-God Model and Its Application to 21 cm Intensity Mapping, *The Astrophysical Journal*, 2020, 895(1): 34
- (3) **Zhang, Jiajun** ; Motta, Pablo ; Novaes, Camila P. ; Abdalla, Filipe B. ; Costa, Andre A. ; Wang, Bin ; Zhu, Zhenghao ; Shan, Chenxi ; Xu, Haiguang ; Abdalla, Elcio ; Barosi, Luciano ; Brito, Francisco A. ; Queiroz, Amilcar ; Villela, Thyrso ; Wuensche, Carlos A. ; Ferreira, Elisa G.M. ; Fornazier, Karin S.F. ; Marins, Alessandro ; Santos, Larissa ; Vargas, dos Santos ; Marcelo, Landim ; Ricardo, G. ; Liccardo, Vincenzo ; The BINGO project. VI. Hi halo occupation distribution and mock building, *Astronomy & Astrophysics*, 2021
- (4) Zhu, Chenghao ; **Zhang, Jiajun** ; Improvement of cosmological constraints with the cross - correlation between line-of-sight optical galaxy and FRB dispersion measures, *Physical review*, 2022, 106(2)