

# YU-FAN ZHENG

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**Inspire:** <https://inspirehep.net/authors/2687389>



## WORKING

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**Beijing Institute of Mathematical Sciences and Applications (BIMSA)** Sep 2024 – Now  
Postdoctor, Supervisor: Prof. Sergio Cecotti.

## EDUCATION

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**Institute of Theoretical Physics, School of physics, Peking University** Sep 2018 – Jun 2024  
Ph.D., Supervisor: Prof. Bin Chen.

**School of physics, Peking University** Sep 2014 – Jun 2018  
Bachelor of Science in Physics.

## INTERESTS

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- Super Carrollian/Galilean CFT
  - Flat holography, Celestial CFT
  - Conformal field theory, Bootstrap
  - String theory, Tensionless string theory

## AWARDS

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- **UBIQUANT Scholarship**, Peking University 2021-2022  
Awarded by Ubiquant for diligent commitment to learning and dedicated research efforts.
  - **Award for Scientific Research**, School of physics Peking University 2021-2022  
Awarded for outstanding works in scientific research.
  - **Award for Scientific Research**, School of physics Peking University 2022-2023  
Awarded for exceptional contributions in the field of scientific research.

## PUBLICATIONS

### ***On Higher-dimensional Carrollian and Galilean Conformal Field Theories***

Coauthors: Bin Chen, Reiko Liu. *SciPost Phys.* 14 (2023) 088, e-Print: [2112.10514]

### ***Constructing Carrollian Field Theories from Null Reduction***

Coauthors: Bin Chen, Haowei Sun, Reiko Liu. *JHEP* 11 (2023) 170, e-Print: [2301.06011].

### ***Path-integral quantization of tensionless (super) string***

Coauthors: Bin Chen, Zezhou Hu, Zhe-fei Yu. *JHEP* 08 (2023) 133, e-Print: [2302.05975]

### ***Quantization of Carrollian conformal scalar theories***

Coauthors: Bin Chen, Haowei Sun. e-Print: [2406.17451]