



## Personal Information

- Name: Yi-Yu Lin
- Gender: Male
- Birthdate: May. 1995

## Education

- 2017/9-2022/6 **Ph.D.**, School of Physics and Astronomy, Sun Yat-sen University, China.
- 2013/9-2017/7 **B.S.**, School of physics, Sun Yat-sen University, China.

## Research Interests

- Holographic dualities, Emergent gravity;
- It from qubit, Application of Quantum information theory and Condensed matter theory to Holographic gravity.

## Awards

- National scholarship for doctoral students in 2021

## Publications

### hep-th:

[1] **Yi-Yu Lin**, Jia-Rui Sun, Jun Zhang, "Deriving the PEE proposal from the locking bit thread configuration", [JHEP 10 \(2021\), 164](#) . [arXiv:2105.09176 [hep-th]].

[2] **Yi-Yu Lin**, Jia-Rui Sun, Yuan Sun, "Bit thread, entanglement distillation, and entanglement of purification", [Phys.Rev.D 103 \(2021\) 12, 126002](#). [arXiv:2012.05737 [hep-th]].

[3] **Yi-Yu Lin**, Jia-Rui Sun, Yuan Sun, Jie-chen Jin, "The PEE aspects of entanglement islands from bit threads", [JHEP 07 \(2022\) 009](#) . [arXiv: 2203.03111 [hep-th]].

[4] **Yi-Yu Lin**, Jia-Rui Sun, Yuan Sun, "Surface growth scheme for bulk reconstruction and tensor network", [JHEP 12 \(2020\) 083](#). [arXiv:2010.01907 [hep-th]].