

CURRICULUM VITAE

赖文昕 / WEN-XIN LAI

PERSONAL DATA

I am interested in the rich connections between gravity and quantum field theory, including new realizations of holographic dualities, entanglement entropy, quantum information and other related topics. I am eager to understand the recent developments in these areas, including the proposed resolution of black hole information paradox with replica wormholes. I am also interested in the applications of holography and entanglement to cosmology and other real-world systems.

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EDUCATION

2019 ~ now	Ph.D. candidate, TSINGHUA UNIVERSITY   YAU MATHEMATICAL SCIENCES CENTER (YMSC). Advisor: 宋伟 / Song, Wei
2015 ~ 2019	Bachelor degree, PEKING UNIVERSITY  SCHOOL OF PHYSICS. Advisor: 吴飙 / Wu, Biao

RESEARCH

2018 ~ 2019	Undergrad research at PEKING UNIVERSITY INTERNATIONAL CENTER FOR QUANTUM MATERIALS (ICQM). Advisor: 吴飙 / Wu, Biao
Jan 2019	Participant of TSINGHUA SANYA FORUM (TSIMF) <i>Workshop on Black Holes and Holography</i>
Summer 2019	Participant of <i>Workshop on Holography and Quantum Matter</i> at ITP INSTITUTE OF THEORETICAL PHYSICS (ITP), CHINESE ACADEMY OF SCIENCES
Summer 2020	Online participant of <i>Strings, 2020</i>
Summer 2020	Online participant of <i>the summer school on strings, field theory and holography</i> , at YAU CENTER OF SOUTHEAST UNIVERSITY
Jan 2021	Participant & Assistant to the organizers , of <i>the 15th Kavli Asian Winter School on Strings, Particles and Cosmology</i> (KAWS 2021)

TEACHING

Fall 2019	TA for <i>Calculus</i> at TSINGHUA UNIVERSITY
Spring 2020	TA for <i>Classical Mechanics</i> at TSINGHUA UNIVERSITY
Fall 2020	TA for <i>Linear Algebra</i> at TSINGHUA UNIVERSITY
Fall 2020	Organizer for the journal club on <i>Aspects of Holography</i> at TSINGHUA UNIVERSITY
Spring 2021	TA for Prof. Chi-Ming Chang's <i>String Theory</i> at TSINGHUA UNIVERSITY

IT SKILLS

GITHUB: github.com/bryango
FAMILIAR WITH: Linux, L^AT_EX, bash, python, Wolfram Mathematica
BASIC KNOWLEDGE: Office, GIMP, Inkscape, C++