

YUBIN LI

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📍 North Block, Science Centre, The Chinese University of Hong Kong

🎓 EDUCATION

2017 - 2021	Doctor of Philosophy in Physics, The Chinese University of Hong Kong
2013 - 2017	Bachelor of Science, School for Gifted Young, University of Science and Technology of China

👜 EXPERIENCE

Recent Nov 2019	Department of Physics, THE CHINESE UNIVERSITY OF HONG KONG, Theoretical study of the quantum spin liquid phase in the $J_1 - J_2$ model. In order to find a new field theoretical description to the spin liquid phase.
Recent July 2017	Department of Physics, THE CHINESE UNIVERSITY OF HONG KONG, The numerical study of $J_1 - J_2$ model using the tensor network numerical method and tried to develop a optimization algorithm.
June 2017 Aug 2015	Department of Astronomy, UNIVERSITY OF SCIENCE AND TECHNOLOGY OF CHINA, Undergraduate researches, studied the non-gaussianity in the early universe perturbation.
July 2016 Aug 2016	Institute of Theoretical Physics, CHINESE ACADEMY OF SCIENCES, Undergraduate Research Program, studied the scattering amplitude in the quantum field theory.

👜 PUBLICATION

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- 1 W.-Y. Liu, S.-S. Gong, Y.-B. Li, D. Poilblanc, W.-Q. Chen, Z.-C. Gu, Gapless quantum spin liquid and global phase diagram of the spin-1/2 $J_1 - J_2$ square antiferromagnetic Heisenberg model. arXiv:2009.01821.

📋 SKILLS

Language	Chinese, English.
Operation System	Mac OS X, Windows, Linux, Linux Server.
Office automation	LaTeX, Pack Office(Word, Excel, PowerPoint).

</> PROGRAMMING LANGUAGES

Fortran	● ● ● ● ●
Python	● ● ● ○ ○
Mathematica	● ● ● ○ ○

🎓 TEACHING ASSISTANT

Fall 2020	Advanced Quantum Mechanics
Spring 2020	Solid State Theory
Fall 2019	Advanced Quantum Mechanics
Spring 2019	Solid State Theory