

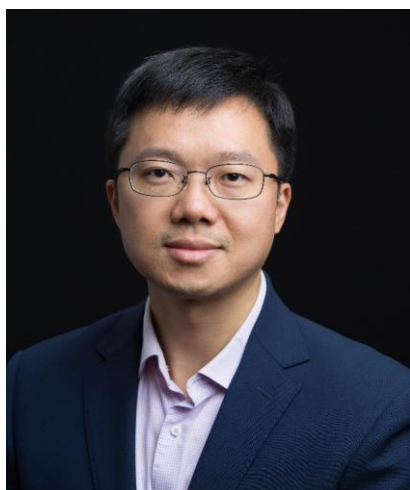


Weekly Seminar

Quantum Spin Liquid as incompressible liquid of electrons

Yi Zhou

Institute of Physics, Chinese Academy of Sciences



Time: 3:00 pm, Sept.11, 2024 (Wednesday)

时间: 2024年9月11日 (周三) 下午3:00

Venue: Room w563, Physics building, Peking University

地点: 北京大学物理楼, 西563会议室

Abstract

In this talk I will present our efforts to go beyond the "standard" model of the quantum spin liquid, which was formulated as a gauge theory. The new formulation is a Landau-type effective theory. Both quasiparticle-like excitations and collective modes will be discussed, as well as their physical consequences.

About the speaker

Yi Zhou is a professor at Institute of Physics, Chinese Academy of Sciences. He received his B.S. degree and Ph. D. in physics from Tsinghua University in 1998 and 2004 respectively. After postdoctoral journey, he became a faculty member in Zhejiang University in 2009 and moved to current position in 2019. His main research interests include quantum many-particle physics and theoretical condensed matter physics.