IOA Colloquium



## When Neutron Stars Meet Gravity Beyond Einstein

Date 14:00 - 15:30, May 21 (Wednesday), 2025

Place 1131, Building 9 (Zoom ID: 881 5903 1592)

Speaker Prof. Shoulong Li (李守龙) Hunan Normal University (湖南师范大学)



## Abstract

While general relativity has been extremely successful, there are still theoretical challenges and observational gaps that motivate the search for new physics beyond Einstein. Neutron stars, as relativistic compact objects, provide a unique opportunity to probe strong-field gravitational effects. What intriguing properties might neutron stars reveal within alternative gravity frameworks, and how can these properties help us uncover potential new physics? This talk will address these questions.

## Biography

Associate professor Shoulong Li obtained his Ph.D. in theoretical physics from Beijing Institute of Technology in 2019 and has been working at Hunan Normal University since then. He has conducted academic visits at Beijing Normal University, Tianjin University, and Peking University. His research primarily focuses on the theoretical aspects of gravitational physics and related areas, with current interests centered on strong gravity, black holes, and compact stars.