



SJTU International Summer School on Physics 2026

Courses

Quantum Physics and Precision Measurement (Prof. Jun Ye - Tentative)

Astrophysics of Compact Objects, Transients and Exoplanets (Prof. Dong Lai)

Mysteries of the particle world (Prof. Xiangdong Ji)

Superfluidity and Superconductivity: Fundamentals and Frontiers (Prof. Nanlin Wang)



Introduction

The 2026 International Summer School on Physics (ISSP), "The Largest and the Smallest," will be hosted by Zhiyuan College and Tsung-Dao Lee Institute at Shanghai Jiao Tong University from July 5 to 18. All courses and activities are conducted in English and include the following modules:

- 32 hours of specialized courses
- A series of cutting-edge academic lectures
- Team research practice projects
- Visit SJTU & Shanghai exploration
- Exciting cultural and sports activities



Zhiyuan College



Tsung-Dao Lee Institute



Jun Ye (Tentative)

Member of NAS
Physicist at NIST
Fellow at JILA
Professor at the
University of
Colorado Boulder



Dong Lai

Professor at
Shanghai Jiao
Tong University
Dirk Brouwer
Award Recipient
2024



Xiangdong Ji

Professor at the
University of
Maryland
Herman Feshbach
Prize Winner
2016



Nanlin Wang

Professor at
Shanghai Jiao
Tong University
NSFC
Distinguished
Young Scholar

Subjects of Seminars

Direct Dark Matter Detection, Deep Sea Neutrino Telescope, Muon Physics, Origin of Mass, Dark Photons and Dark Matter, Exoplanets and Alien Civilizations, Black Hole Imaging, Quantum Atmosphere, Superconductivity, Quantum Computing, Quantum Materials and new states of matter, Large Scale Structural Evolution of the Universe, Laboratory Astrophysics, Axion Dark Matter, and AI for Physics.

Tours



Apply Now

Logistics

Tuition and housing are free. Students are responsible for meals and personal expenses.

Travel Grant

A Merit-Based Travel Grant is now open for international application. The grant will be awarded based on the location of the student's home university.

- Asia (Apart from West Asia): 5,000 RMB
- North America, Europe, Africa, and West Asia: 10,000 RMB
- South America: 15,000 RMB
- Oceania and other regions: 8,000 RMB
- For students already in mainland China, grants cover actual travel costs.

To apply: Upload a referee's recommendation letter with your online application.

Organizers

- **Zhiyuan College**, founded in 2010, is directly funded by Ministry of Education, China. It is an elite undergraduate institute within SJTU that cultivates future leaders in science and technology.
- Proposed by the Nobel laureate Tsung-Dao Lee, **Tsung-Dao Lee Institute (TDLI)** is a basic research institute established at Shanghai Jiao Tong University in November 2016, aiming to build itself as a world-leading science institute.

