

# **Joint TDLI & INPAC Winter School in Particle Physics 2026**

## **Report of Contributions**

Contribution ID: 1

Type: **not specified**

## School Opening

*Tuesday, 27 January 2026 08:30 (20 minutes)*

**Presenters:** XIAO, Mengjiao (Shanghai Jiao Tong University); LI, Shu (TDLI, SJTU)

Contribution ID: 2

Type: **not specified**

# Unity of the Smallest and the Largest of the Universe

*Tuesday, 27 January 2026 08:50 (1 hour)*

**Presenter:** HE, Xiao-Gang (TDLI, SJTU)

**Session Classification:** Morning Session

Contribution ID: 3

Type: **not specified**

## Refreshment Break

**Session Classification:** Morning Session

Contribution ID: 4

Type: **not specified**

## 中微子：新物理信使

*Tuesday, 27 January 2026 10:05 (1 hour)*

**Presenter:** Prof. GE, Shao-Feng (TDLI-SJTU)

**Session Classification:** Morning Session

Contribution ID: 5

Type: **not specified**

## Q&A Time

*Tuesday, 27 January 2026 11:20 (1 hour)*

**Presenters:** Prof. GE, Shao-Feng (TDLI-SJTU); HE, Xiao-Gang (TDLI, SJTU)

**Session Classification:** Morning Session

Contribution ID: 6

Type: **not specified**

## 用粒子-观天体-探宇宙

*Tuesday, 27 January 2026 14:00 (1 hour)*

**Presenter:** LIU, Jianglai (Shanghai Jiao Tong University)

**Session Classification:** Afternoon Session

Contribution ID: 7

Type: **not specified**

## **Probing the Microscopic and Macroscopic World with the Muon**

*Tuesday, 27 January 2026 15:15 (1 hour)*

**Presenter:** Prof. KHAW, Kim Siang (TDLI/SJTU)

**Session Classification:** Afternoon Session



Contribution ID: 8

Type: **not specified**

## Q&A Time

*Tuesday, 27 January 2026 16:30 (1 hour)*

**Presenters:** LIU, Jianglai (Shanghai Jiao Tong University); Prof. KHAW, Kim Siang (TDLI/SJTU)

**Session Classification:** Afternoon Session

Contribution ID: 9

Type: **not specified**

## Physics beyond the Standard Model

*Wednesday, 28 January 2026 08:30 (1 hour)*

**Presenter:** NAKAI, Yuichiro (TDLI, SJTU)

**Session Classification:** Morning Session

Contribution ID: **10**

Type: **not specified**

## **Black Holes as Detectors of Particles**

*Wednesday, 28 January 2026 09:45 (1 hour)*

**Presenter:** CHEN, Yifan (TDLI, SJTU)

**Session Classification:** Morning Session

Contribution ID: **11**

Type: **not specified**

## Q&A Time

*Wednesday, 28 January 2026 11:00 (1 hour)*

**Presenters:** CHEN, Yifan (TDLI, SJTU); NAKAI, Yuichiro (TDLI, SJTU)

**Session Classification:** Morning Session

Contribution ID: 12

Type: **not specified**

## PandaX 实验简介

*Wednesday, 28 January 2026 14:00 (1 hour)*

**Presenter:** YANG, Yong (Shanghai Jiao Tong University)

**Session Classification:** Afternoon Session

Contribution ID: 13

Type: **not specified**

# Electronics in Particle Physics Experiments

*Wednesday, 28 January 2026 15:15 (1 hour)*

**Presenter:** WU, Weihao (SJTU)

**Session Classification:** Afternoon Session

Contribution ID: 14

Type: **not specified**

## Q&A Time

*Wednesday, 28 January 2026 16:30 (1 hour)*

**Presenters:** WU, Weihao (SJTU); YANG, Yong (Shanghai Jiao Tong University)

**Session Classification:** Afternoon Session

Contribution ID: 15

Type: **not specified**

## Beta decay and double beta decay

*Thursday, 29 January 2026 08:30 (1 hour)*

**Presenter:** HAN, Ke (SJTU)

**Session Classification:** Morning Session



Contribution ID: **16**

Type: **not specified**

## Physics with Reactor Neutrinos

*Thursday, 29 January 2026 09:45 (1 hour)*

**Presenter:** HUANG, Juntong (Shanghai Jiao Tong University)

**Session Classification:** Morning Session

Contribution ID: 17

Type: **not specified**

## Q&A Time

*Thursday, 29 January 2026 11:00 (1 hour)*

**Presenters:** HUANG, Junting (Shanghai Jiao Tong University); HAN, Ke (SJTU)

**Session Classification:** Morning Session

Contribution ID: **18**

Type: **not specified**

## 精妙的原子核

*Thursday, 29 January 2026 14:00 (1 hour)*

**Presenter:** Prof. ZHAO, Yumin (SJTU)

**Session Classification:** Afternoon Session

Contribution ID: 19

Type: **not specified**

## Exploring the Universe from the Ocean Floor: Neutrino Telescopes

*Thursday, 29 January 2026 15:15 (1 hour)*

**Presenter:** Dr MORTON-BLAKE, Iwan (Tsung-Dao Lee Institute / Shanghai Jiao Tong University)

**Session Classification:** Afternoon Session

Contribution ID: 20

Type: **not specified**

## Q&A Time

*Thursday, 29 January 2026 16:30 (1 hour)*

**Presenters:** Dr MORTON-BLAKE, Iwan (Tsung-Dao Lee Institute / Shanghai Jiao Tong University); Prof. ZHAO, Yumin (SJTU)

**Session Classification:** Afternoon Session

Contribution ID: 21

Type: **not specified**

## Parity Violation & Restoration

*Friday, 30 January 2026 08:30 (1 hour)*

**Presenter:** ZHANG, Yongchao (Southeast University)

**Session Classification:** Morning Session

Contribution ID: 22

Type: **not specified**

## Introduction to Lattice QCD

*Friday, 30 January 2026 09:45 (1 hour)*

**Presenter:** Prof. WANG, Wei (SJTU)

**Session Classification:** Morning Session

Contribution ID: 23

Type: **not specified**

## Q&A Time

*Friday, 30 January 2026 11:00 (1 hour)*

**Presenters:** Prof. WANG, Wei (TDLI, SJTU); ZHANG, Yongchao (Southeast University)

**Session Classification:** Morning Session



Contribution ID: 24

Type: **not specified**

# The Higgs boson and the origin of elementary particle mass

*Friday, 30 January 2026 14:00 (1 hour)*

**Presenter:** LIU, Kun (TDLI / SJTU)

**Session Classification:** Afternoon Session

Contribution ID: 25

Type: **not specified**

# Enlightening the unknowns with Higgs Boson and Dark Photon

*Friday, 30 January 2026 15:15 (1 hour)*

**Presenter:** LI, Shu (TDLI, SJTU)

**Session Classification:** Afternoon Session

Contribution ID: 26

Type: **not specified**

## Q&A Time

*Friday, 30 January 2026 16:30 (1 hour)*

**Presenters:** LIU, Kun (TDLI / SJTU); LI, Shu (TDLI, SJTU)

**Session Classification:** Afternoon Session

Contribution ID: 27

Type: **not specified**

## Extreme Physics in The Little Bang

*Saturday, 31 January 2026 08:30 (1 hour)*

**Presenter:** SUN, Yifeng (SJTU)

**Session Classification:** Morning Session

Contribution ID: 28

Type: **not specified**

## 原子核的“跨界朋友圈”：星空、激光与新物理

*Saturday, 31 January 2026 09:45 (1 hour)*

**Presenter:** NIU, Yifei (SJTU)

**Session Classification:** Morning Session

Contribution ID: 29

Type: **not specified**

## Q&A Time

*Saturday, 31 January 2026 11:00 (1 hour)*

**Presenters:** NIU, Yifei (SJTU); SUN, Yifeng (SJTU)

**Session Classification:** Morning Session