

Session Program

9-13 Sept 2026

New directions EXploring the Unknown beyond the Standard Model (NEXUS 2026)

Plenary talks (2)

Tsung-Dao Lee Institute, Tsung-Dao Lee Institute/S5F-S500 - Lecture Room
Tsung-Dao Lee Institute, 1 Lisuo Road, Pudong New Area, Shanghai, 201210

Friday 11 September

09:00

Plenary talks (2): Session chair: Xiao-Ping Wang

Session |

Location: Tsung-Dao Lee Institute, Tsung-Dao Lee Institute/S5F-S500 - Lecture Room, Tsung-Dao Lee Institute, 1 Lisuo Road, Pudong New Area, Shanghai, 201210

09:00–09:30

As simple as possible, but not simpler

Speaker

Pyungwon Ko

09:30–10:00

TBA

Speaker

Zhen Liu

10:00

10:30

Plenary talks (2): Session chair: Wenyuan Ai

Session |

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10:30–11:00

Reviving primordial black hole formation in slow first-order phase transitions

Speaker

Prof. Ke-Pan Xie

11:00–11:30

First-order phase transitions, primordial black holes, scalar-induced gravitational waves, and sound-wave gravitational waves from early Universe

Speaker

Shao-Jiang Wang

11:30–12:00

TBA

Speaker

Peter Athron

12:00

13:10

Plenary talks (2): Session chair: Yingying Li

Session |

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13:10–13:40

Probing Ultralight Dark Matter with Laser Interferometers in Space

Speaker

Yong Tang

13:40–14:10

Ultra-High-Energy Cosmic Ray Boosted Relic Neutrinos

Speaker

Jiajun Liao

14:10–14:40

LZ

Speaker

Dongqing Huang

14:40

15:00

Plenary talks (2): Session chair: Lingfeng Li**Session** |**Location:** Tsung-Dao Lee Institute, Tsung-Dao Lee Institute/S5F-S500 - Lecture Room, Tsung-Dao Lee Institute, 1 Lisuo Road, Pudong New Area, Shanghai, 201210

15:00–15:30

Novel signature of axion-like particles at neutrino experiments**Speaker**

Ningqiang Song

15:30–16:00

Comprehensive Effective Field Theory Framework for Coherent Elastic Neutrino-Nucleus Scattering**Speaker**

Gang Li

16:00–16:30

Cosmological Signatures of Neutrino Seesaw Mechanism**Speaker**

Chengcheng Han

16:30