

Joint TDLI and INPAC Winter School in Particle Physics 2025

Report of Contributions

Contribution ID: **1**

Type: **not specified**

Dinner break

Tuesday, 21 January 2025 17:30 (2 hours)

Contribution ID: 2

Type: **not specified**

Standard Model Overview

Monday, 20 January 2025 10:05 (1 hour)

Presenter: Prof. EVANS, Jason L (SJTU/TDLI)

Session Classification: Morning session 1

Contribution ID: 3

Type: **not specified**

The Standard Model measurement and beyond the SM searches

Presenter: LI, Shu (TDLI, SJTU)

Session Classification: Morning session 1

Contribution ID: 4

Type: **not specified**

Discussion session

Monday, 20 January 2025 11:20 (1 hour)

Presenters: Prof. EVANS, Jason L (SJTU/TDLI); Prof. HE, Xiao-Gang

Session Classification: Morning session 1

Contribution ID: 5

Type: **not specified**

Illuminating the Dark Sector with Higgs Boson and Dark Photon

Monday, 20 January 2025 15:15 (1 hour)

Presenter: Prof. LI, Shu (TDLI, SJTU)

Session Classification: Afternoon session 1

Contribution ID: 6

Type: **not specified**

The Higgs Boson

Monday, 20 January 2025 14:00 (1 hour)

Presenter: Prof. LIU, Kun (TDLI / SJTU)

Session Classification: Afternoon session 1

Contribution ID: 7

Type: **not specified**

Discussion session

Monday, 20 January 2025 16:30 (1 hour)

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

Session Classification: Afternoon session 1

Contribution ID: 8

Type: **not specified**

An Introduction to Lattice QCD

Tuesday, 21 January 2025 08:30 (1 hour)

Presenter: Prof. WANG, Wei

Session Classification: Morning session 2

Contribution ID: 9

Type: **not specified**

Nuclear Theory

Tuesday, 21 January 2025 09:45 (1 hour)

Presenter: Prof. ZHAO, Yu-Min (Shanghai Jiao Tong University)

Session Classification: Morning session 2

Contribution ID: **10**

Type: **not specified**

Discussion session

Tuesday, 21 January 2025 11:00 (1 hour)

Presenters: Prof. WANG, Wei; ZHAO, Yu-Min

Session Classification: Morning session 2

Contribution ID: **11**

Type: **not specified**

Muon Physics Overview

Tuesday, 21 January 2025 14:00 (1 hour)

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

Session Classification: Afternoon session 2

Contribution ID: 12

Type: **not specified**

Introduction to Nuclear Electronics

Tuesday, 21 January 2025 15:15 (1 hour)

Presenter: Prof. YANG, Yong (Shanghai Jiao Tong University)

Session Classification: Afternoon session 2

Contribution ID: **13**

Type: **not specified**

Discussion session

Tuesday, 21 January 2025 16:30 (1 hour)

Presenters: Prof. KHAW, Kim Siang (TDLI/SJTU); Prof. YANG, Yong (Shanghai Jiao Tong University)

Session Classification: Afternoon session 2

Contribution ID: 14

Type: **not specified**

Dark photon Experiment

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

Session Classification: Morning session 3: 参观校史馆

Contribution ID: 15

Type: **not specified**

Dark Matter Experiment

Presenter: XIANG, Xin

Session Classification: Morning session 3: 参观校史馆

Contribution ID: **16**

Type: **not specified**

Discussion session

Session Classification: Morning session 3: 参观校史馆

Contribution ID: 17

Type: **not specified**

Dark Matter Search

Presenter: XIANG, Xin

Session Classification: Afternoon session 3

Contribution ID: **18**

Type: **not specified**

Dark photon experiment

Presenter: YANG, Haijun (Shanghai Jiao Tong University (CN))

Session Classification: Afternoon session 3

Contribution ID: **19**

Type: **not specified**

Discussion session

Session Classification: Afternoon session 3

Contribution ID: **20**

Type: **not specified**

Neutrino theory

Thursday, 23 January 2025 08:30 (1 hour)

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

Session Classification: Morning session 4

Contribution ID: 21

Type: **not specified**

Physics with Reactor Neutrinos

Thursday, 23 January 2025 09:45 (1 hour)

Presenter: Prof. MENG, Yue (Shanghai Jiao Tong University)

Session Classification: Morning session 4

Contribution ID: 22

Type: **not specified**

Discussion session

Thursday, 23 January 2025 11:00 (1 hour)

Presenters: Prof. GE, Shao-Feng (TDLI-SJTU); Prof. MENG, Yue (Shanghai Jiao Tong University)

Session Classification: Morning session 4

Contribution ID: 23

Type: **not specified**

Dark matter indirect detection with astroparticles from the sky

Thursday, 23 January 2025 14:00 (1 hour)

Presenter: Prof. XIAO, Mengjiao (Shanghai Jiao Tong University)

Session Classification: Afternoon session 4

Contribution ID: 24

Type: **not specified**

Dark Matter Theory

Thursday, 23 January 2025 15:15 (1 hour)

Presenter: Prof. HE, Hong-Jian (TDLI & SJTU)

Session Classification: Afternoon session 4

Contribution ID: 25

Type: **not specified**

Discussion session

Thursday, 23 January 2025 16:30 (1 hour)

Presenters: Prof. HE, Hong-Jian (TDLI & SJTU); Prof. XIAO, Mengjiao (Shanghai Jiao Tong University)

Session Classification: Afternoon session 4

Contribution ID: 26

Type: **not specified**

Into the Unknown: Physics beyond the Standard Model

Friday, 24 January 2025 08:30 (1 hour)

Presenter: Prof. NAKAI, Yuichiro (TDLI)

Session Classification: Morning session 5

Contribution ID: 27

Type: **not specified**

Dark matter experimental direct detection

Friday, 24 January 2025 09:45 (1 hour)

Presenter: Prof. XIANG, Xin (TDLI&SJTU)

Session Classification: Morning session 5

Contribution ID: **28**

Type: **not specified**

Discussion session

Friday, 24 January 2025 11:00 (1 hour)

Presenters: Prof. XIANG, Xin (TDLI&SJTU); Prof. NAKAI, Yuichiro (TDLI&SJTU)

Session Classification: Morning session 5

Contribution ID: 29

Type: **not specified**

Neutrinoless double beta decay Experiment

Friday, 24 January 2025 15:15 (1 hour)

Presenter: Prof. HUANG, Juntong (Shanghai Jiao Tong University)

Session Classification: Afternoon session 5

Contribution ID: **30**

Type: **not specified**

Neutrino astronomy

Friday, 24 January 2025 14:00 (1 hour)

Presenter: Prof. XU, Donglian (T D Lee Institute)

Session Classification: Afternoon session 5

Contribution ID: **31**

Type: **not specified**

Discussion

Friday, 24 January 2025 16:30 (1 hour)

Presenters: Prof. XU, Donglian (T D Lee Institute); Prof. HUANG, Junting (Shanghai Jiao Tong University)

Session Classification: Afternoon session 5

Contribution ID: 32

Type: **not specified**

Opening of the winter school

Monday, 20 January 2025 08:30 (20 minutes)

Presenters: Prof. XIANG, Xin (TDLI/SPA, SJTU); Prof. SUN, Yifeng (Shanghai Jiao Tong University)

Contribution ID: 33

Type: **not specified**

Lab Tour

Contribution ID: 34

Type: **not specified**

Lab Tour

Contribution ID: 35

Type: **not specified**

The Unity of the Largest and the Smallest in the Universe

Monday, 20 January 2025 08:50 (1 hour)

Presenter: Prof. HE, Xiao-Gang

Session Classification: Morning session 1

Contribution ID: 36

Type: **not specified**

Time Crystals: Ideas and Realizations

Wednesday, 22 January 2025 14:00 (1h 15m)

Presenter: Prof. WILCZEK, Frank (Massachusetts Institute of Technology)

Session Classification: Afternoon session 3

Contribution ID: 37

Type: **not specified**

Parity Violation & Restoration

Wednesday, 22 January 2025 15:30 (1 hour)

Presenter: Prof. ZHANG, Yongchao (Southeast University)

Session Classification: Afternoon session 3

Contribution ID: **38**

Type: **not specified**

Discussion

Wednesday, 22 January 2025 16:45 (30 minutes)

Presenter: Prof. ZHANG, Yongchao (Southeast University)

Session Classification: Afternoon session 3