

Symposium on Frontiers of Underground Physics

Report of Contributions

Contribution ID: 4

Type: **not specified**

Review of underground laboratories worldwide

Monday 30 October 2023 09:30 (30 minutes)

Author: Prof. IANNI, Aldo (LNGS)

Presenter: Prof. IANNI, Aldo (LNGS)

Session Classification: Plenary session

Contribution ID: 5

Type: **not specified**

Status of CJPL and DURF

Monday 30 October 2023 10:00 (30 minutes)

Author: Prof. MA, Hao (Tsinghua University)

Presenter: Prof. MA, Hao (Tsinghua University)

Session Classification: Plenary session

Contribution ID: 6

Type: **not specified**

Status of Korean underground laboratory and AMoRE experiment

Monday 30 October 2023 11:00 (30 minutes)

Author: Prof. KIM, Yeongduk

Presenter: Prof. KIM, Yeongduk

Session Classification: Plenary session

Contribution ID: 7

Type: **not specified**

DUNE: The Deep Underground Neutrino Experiment

Monday 30 October 2023 11:30 (30 minutes)

Author: Prof. LUK, Kam-Biu

Presenter: Prof. LUK, Kam-Biu

Session Classification: Plenary session

Contribution ID: 8

Type: **not specified**

Hyper-Kamiokande: Challenges in Precision Neutrino Physics

Monday 30 October 2023 12:00 (30 minutes)

Author: Prof. DE PERIO, Patrick

Presenter: Prof. DE PERIO, Patrick

Session Classification: Plenary session

Contribution ID: 9

Type: **not specified**

JUNA investigation of star evolution in deep underground laboratory

Monday 30 October 2023 14:00 (30 minutes)

Author: Prof. LIU, Weiping

Presenter: Prof. LIU, Weiping

Session Classification: Plenary session

Contribution ID: **11**

Type: **not specified**

Status and Physics of JUNO

Monday 30 October 2023 14:30 (30 minutes)

Author: Prof. LI, Yufeng

Presenter: Prof. LI, Yufeng

Session Classification: Plenary session

Contribution ID: 13

Type: **not specified**

Connecting dark matter direct and indirect searches

Monday 30 October 2023 16:30 (30 minutes)

Author: Prof. ZHOU, Yu-Feng

Presenter: Prof. ZHOU, Yu-Feng

Session Classification: Plenary session

Contribution ID: 14

Type: **not specified**

Recent developments on searching for light and ultralight dark matter

Monday 30 October 2023 17:00 (30 minutes)

Author: Prof. AN, Haipeng (Tsinghua University)

Presenter: Prof. AN, Haipeng (Tsinghua University)

Session Classification: Plenary session

Contribution ID: 15

Type: **not specified**

Pulsar Polarization Array - A New Methodology for Astroparticle Physics

Tuesday 31 October 2023 14:30 (30 minutes)

Author: Prof. LIU, Tao

Presenter: Prof. LIU, Tao

Session Classification: Plenary session

Contribution ID: **16**

Type: **not specified**

The LUX-ZEPLIN Dark Matter Experiment

Tuesday 31 October 2023 09:00 (30 minutes)

Author: Prof. FRUTH, Theresa

Presenter: Prof. FRUTH, Theresa

Session Classification: Plenary session

Contribution ID: 17

Type: **not specified**

PandaX-4T Experiment: Dark Matter and Solar Neutrinos Searches

Tuesday 31 October 2023 10:00 (30 minutes)

Author: Prof. LIN, Qing

Presenter: Prof. LIN, Qing

Session Classification: Plenary session

Contribution ID: **18**

Type: **not specified**

Direct Dark Matter Search with XENON and DARWIN

Tuesday 31 October 2023 09:30 (30 minutes)

Author: Prof. KAZAMA, Shingo

Presenter: Prof. KAZAMA, Shingo

Session Classification: Plenary session

Contribution ID: **19**

Type: **not specified**

The DarkSide Project

Tuesday 31 October 2023 11:30 (30 minutes)

Author: Prof. WANG, Yi

Presenter: Prof. WANG, Yi

Session Classification: Plenary session

Contribution ID: 20

Type: **not specified**

Recent status and prospects of CDEX dark matter search at CJPL

Monday 30 October 2023 18:00 (30 minutes)

Author: Dr YANG, Litao (Tsinghua University)

Presenter: Dr YANG, Litao (Tsinghua University)

Session Classification: Plenary session

Contribution ID: 21

Type: **not specified**

Status of the SuperCDMS SNOLAB experiment

Monday 30 October 2023 17:30 (30 minutes)

Author: Dr LIU, Yan

Presenter: Dr LIU, Yan

Session Classification: Plenary session

Contribution ID: 22

Type: **not specified**

Hunting for Low-mass particle dark matter - some naive and personal thoughts

Tuesday 31 October 2023 14:00 (30 minutes)

Author: Prof. LIAO, Junhui

Presenter: Prof. LIAO, Junhui

Session Classification: Plenary session

Contribution ID: 23

Type: **not specified**

Light Dark Matter Detection at Kamioka Underground Laboratory

Tuesday 31 October 2023 12:00 (30 minutes)

Author: Prof. BURKHANT, Suerfu

Presenter: Prof. BURKHANT, Suerfu

Session Classification: Plenary session

Contribution ID: 24

Type: **not specified**

Summary and ending the symposium

Wednesday 1 November 2023 12:30 (10 minutes)

Author: Prof. YUE, Qian (Tsinghua University)

Presenter: Prof. YUE, Qian (Tsinghua University)

Session Classification: Plenary session

Contribution ID: 25

Type: **not specified**

Light Dark Matter Searches with Liquid Xenon

Tuesday 31 October 2023 11:00 (30 minutes)

Author: Prof. NI, Kaixuan

Presenter: Prof. NI, Kaixuan

Session Classification: Plenary session

Contribution ID: 26

Type: **not specified**

Exploring the Majorana Nature of Massive Neutrinos

Tuesday 31 October 2023 16:30 (30 minutes)

Author: Prof. ZHOU, Shun

Presenter: Prof. ZHOU, Shun

Session Classification: Plenary session

Contribution ID: 27

Type: **not specified**

Researches of the 0vbb NME and the intermediate states

Tuesday 31 October 2023 17:00 (30 minutes)

Author: Prof. BAI, Chunlin

Presenter: Prof. BAI, Chunlin

Session Classification: Plenary session

Contribution ID: 28

Type: **not specified**

Projections of Discovery Potentials of Neutrinoless Double Beta Decay Experiments

Tuesday 31 October 2023 17:30 (30 minutes)

Author: Dr LI, Hau-Bin (Institute of Physics, Academia Sinica, Taipei)

Presenter: Dr LI, Hau-Bin (Institute of Physics, Academia Sinica, Taipei)

Session Classification: Plenary session

Contribution ID: 29

Type: **not specified**

CUPID-China experiment

Wednesday 1 November 2023 11:00 (30 minutes)

Author: Dr XUE, Mingxuan

Presenter: Dr XUE, Mingxuan

Session Classification: Plenary session

Contribution ID: **30**

Type: **not specified**

NODEx experiment

Wednesday 1 November 2023 09:00 (30 minutes)

Author: Prof. QIU, Hao

Presenter: Prof. QIU, Hao

Session Classification: Plenary session

Contribution ID: **31**

Type: **not specified**

JUNO-0vbb

Tuesday 31 October 2023 18:00 (30 minutes)

Author: Prof. LI, Gaosong

Presenter: Prof. LI, Gaosong

Session Classification: Plenary session

Contribution ID: 32

Type: **not specified**

CDEX-300v program for Ge-76 neutrinoless double beta decay search

Wednesday 1 November 2023 12:00 (30 minutes)

Author: Dr WANG, Li

Presenter: Dr WANG, Li

Session Classification: Plenary session

Contribution ID: 33

Type: **not specified**

PandaX-4T experiment: Double-weak decays

Wednesday 1 November 2023 09:30 (30 minutes)

Author: Prof. WANG, Shaobo

Presenter: Prof. WANG, Shaobo

Session Classification: Plenary session

Contribution ID: 34

Type: **not specified**

Overview of the nEXO experiment

Wednesday 1 November 2023 10:00 (30 minutes)

Author: Dr WANG, Hanwen (Institute of High Energy Physics)

Presenter: Dr WANG, Hanwen (Institute of High Energy Physics)

Session Classification: Plenary session

Contribution ID: 35

Type: **not specified**

R&D Progress of Jinping Neutrino Experiment

Tuesday 31 October 2023 15:00 (30 minutes)

Author: Prof. WANG, Zhe

Presenter: Prof. WANG, Zhe

Session Classification: Plenary session

Contribution ID: 36

Type: **not specified**

In Vivo Measurement of Trace Level Internal Radioactivity in a Living Subject Under an Ultra Low Background Enabled by CJPL

Monday 30 October 2023 15:30 (30 minutes)

Author: Prof. LIU, Yuanyuan

Presenter: Prof. LIU, Yuanyuan

Session Classification: Plenary session

Contribution ID: 37

Type: **not specified**

Neutrino Nucleus Elastic Scattering with sub-keV germanium detectors at the Kuo-Sheng Reactor Neutrino Laboratory

Monday 30 October 2023 15:00 (30 minutes)

Author: Prof. WONG, Henry (Academia Sinica 中央研究院)

Presenter: Prof. WONG, Henry (Academia Sinica 中央研究院)

Session Classification: Plenary session

Contribution ID: 38

Type: **not specified**

Helicity property of relic neutrinos and implications on their detection

Tuesday 31 October 2023 15:30 (30 minutes)

Author: Prof. PENG, Jen-Chieh

Presenter: Prof. PENG, Jen-Chieh

Session Classification: Plenary session

Contribution ID: 39

Type: **not specified**

LEGEND: The Road Onward Inverted Mass Ordering Region

Wednesday 1 November 2023 11:30 (30 minutes)

Author: Prof. LI, Aobo

Presenter: Prof. LI, Aobo

Session Classification: Plenary session

Contribution ID: 42

Type: **not specified**

Breakfast at CYNN Hotel

Thursday 2 November 2023 06:40 (20 minutes)

Session Classification: Visit CJPL

Contribution ID: 43

Type: **not specified**

Departure from hotel to Chengdu South Station

Thursday 2 November 2023 07:00 (20 minutes)

Session Classification: Visit CJPL

Contribution ID: 44

Type: **not specified**

High-speed railway C57 to Xichang West Station

Thursday 2 November 2023 08:00 (2h 55m)

Session Classification: Visit CJPL

Contribution ID: 45

Type: **not specified**

CJPL site visit: CJPL-I/II and Jinping Dam. Lunch and light Dinner are provided.

Thursday 2 November 2023 11:00 (8 hours)

Session Classification: Visit CJPL

Contribution ID: 46

Type: **not specified**

High-speed railway C58 to Chengdu South Station

Thursday 2 November 2023 19:02 (2h 55m)

Session Classification: Visit CJPL

Contribution ID: 47

Type: **not specified**

Back to CYNN Hotel

Thursday 2 November 2023 21:57 (23 minutes)

Session Classification: Visit CJPL