

**Workshop on Double Beta
Decay and Related
Underground Experiments
(2024)**

Report of Contributions

Contribution ID: 3

Type: **not specified**

Latest results of CUORE and the path toward CUPID

Friday, 20 December 2024 08:35 (25 minutes)

Session Classification: Experiments

Contribution ID: 4

Type: **not specified**

Current Status of CUPID-CJPL Experiment

Friday, 20 December 2024 09:00 (25 minutes)

Presenter: XIE, Fang (Fudan)

Session Classification: Experiments

Contribution ID: 5

Type: **not specified**

CDEX-300 program searching for Ge-76 NLDBD

Friday, 20 December 2024 09:25 (25 minutes)

Presenter: DAI, Wenhan (Tsinghua)

Session Classification: Experiments

Contribution ID: 6

Type: **not specified**

Searching for Xe-136 NLDBD with PandaX-4T

Friday, 20 December 2024 09:50 (25 minutes)

Presenter: Prof. XIAO, Xiang

Session Classification: Experiments

Contribution ID: 7

Type: **not specified**

Relativistic calculations for the nuclear matrix elements of NLDBD

Friday, 20 December 2024 10:45 (25 minutes)

Presenter: Prof. ZHAO, Pengwei (Peking University)

Session Classification: Theory

Contribution ID: 8

Type: **not specified**

Advances in modeling nuclear matrix elements for new physics research

Friday, 20 December 2024 11:10 (25 minutes)

Presenter: Prof. YAO, Jiangming (SYSU)

Session Classification: Theory

Contribution ID: 9

Type: **not specified**

Neutrino masses, Majorana nature, and Neutrinoless double beta decay

Friday, 20 December 2024 11:35 (25 minutes)

Presenter: LI, Yufeng (IHEP)

Session Classification: Theory

Contribution ID: **10**

Type: **not specified**

Status of NvDEx

Friday, 20 December 2024 14:00 (25 minutes)

Presenter: QIU, Hao

Session Classification: Experiments

Contribution ID: 11

Type: **not specified**

Latest progress on the CROSS experiment

Friday, 20 December 2024 14:25 (25 minutes)

Presenter: Prof. GIULIANI, Andrea

Session Classification: Experiments

Contribution ID: 12

Type: **not specified**

Status of JUNO-0vbb

Friday, 20 December 2024 14:50 (25 minutes)

Presenter: LI, Gaosong

Session Classification: Experiments

Contribution ID: 13

Type: **not specified**

R&D for DBD with PandaX-xT

Friday, 20 December 2024 15:15 (25 minutes)

Presenter: YAN, Binbin

Session Classification: Experiments

Contribution ID: 14

Type: **not specified**

Overview of major international experiments

Friday, 20 December 2024 12:00 (25 minutes)

Presenter: YU, Miao (SLAC)

Session Classification: Theory

Contribution ID: 15

Type: **not specified**

Neutrinoless double-beta decay within relativistic configuration-interaction density functional theory

Friday, 20 December 2024 16:10 (25 minutes)

Presenter: WANG, Yakun (Peking University)

Session Classification: Theory

Contribution ID: 16

Type: **not specified**

Neutrinoless double beta decay in multiple isotopes for fingerprints identification of operators and models

Friday, 20 December 2024 16:35 (25 minutes)

Presenter: XIAO, Yu-Qi (Central China Normal University)

Session Classification: Theory

Contribution ID: 17

Type: **not specified**

Detector R&D for PandaX-III

Saturday, 21 December 2024 08:55 (25 minutes)

Presenter: WANG, Shaobo

Session Classification: Sub-systems and R&D

Contribution ID: 18

Type: **not specified**

Determination of Th and U based on ICP-MS combined with different pretreatment approaches at IHEP

Saturday, 21 December 2024 09:45 (25 minutes)

Presenter: DING, Yayun (IHEP)

Session Classification: Sub-systems and R&D

Contribution ID: 19

Type: **not specified**

A Flexible Electronics System for Multi-Purpose TPC

Saturday, 21 December 2024 08:30 (25 minutes)

Presenter: FENG, Changqing

Session Classification: Sub-systems and R&D

Contribution ID: 20

Type: **not specified**

Low background material screening by ICP-MS in JUNO experiment

Saturday, 21 December 2024 09:20 (25 minutes)

Presenter: ZHAO, Jie (IHEP)

Session Classification: Sub-systems and R&D

Contribution ID: 21

Type: **not specified**

Prospects of a Nd-doped LS neutrino detector

Saturday, 21 December 2024 11:05 (25 minutes)

Presenter: XU, Benda (Tsinghua)

Session Classification: Sub-systems and R&D

Contribution ID: 22

Type: **not specified**

Searching for Xe-136 decay to excited states with PandaX-4T

Saturday, 21 December 2024 11:30 (20 minutes)

Presenter: LUO, Lingyin (Peking University)

Session Classification: Sub-systems and R&D

Contribution ID: 23

Type: **not specified**

Effective Field Theories for Neutrino $0\nu\beta\beta$

Friday, 20 December 2024 17:00 (25 minutes)

Presenter: YU, jianghao

Session Classification: Theory

Contribution ID: 24

Type: **not specified**

NvDEx 前端芯片及读出电子学研究进展

Saturday, 21 December 2024 11:50 (20 minutes)

Presenter: 杨, 懿琛

Session Classification: Sub-systems and R&D

Contribution ID: 25

Type: **not specified**

Status of Jinping Neutrino Experiment

Saturday, 21 December 2024 10:40 (25 minutes)

Presenter: LUO, Wentai

Session Classification: Sub-systems and R&D

Contribution ID: 26

Type: **not specified**

Conclusions

Saturday, 21 December 2024 12:10 (5 minutes)

Session Classification: Sub-systems and R&D