

第四届高能物理理论与实验融合 发展研讨会

Report of Contributions

Contribution ID: 1

Type: **not specified**

致欢迎词

Saturday, 20 September 2025 08:30 (10 minutes)

Presenter: 辽宁师范大学刘宏书记

Session Classification: 开幕式

Contribution ID: 2

Type: **not specified**

大会总结 + 感谢词

Sunday, 21 September 2025 17:20 (10 minutes)

Presenter: 岳, 崇兴 (辽宁师范大学)

Session Classification: 闭幕式

Contribution ID: 3

Type: **not specified**

Quantum entanglement theory and its generic searches at the colliders

Saturday, 20 September 2025 09:00 (20 minutes)

Presenter: LI, Tianjun (Institute of Theoretical Physics, Chinese Academy of Sciences)

Session Classification: Session 1

Contribution ID: 4

Type: **not specified**

Bell inequality violation of light quarks in dihadron pair production at lepton colliders

Saturday, 20 September 2025 09:20 (20 minutes)

Presenter: YAN, Bin (IHEP)

Session Classification: Session 1

Contribution ID: 5

Type: **not specified**

开放量子系统的退相干与重整化群

Saturday, 20 September 2025 09:40 (20 minutes)

Presenter: SHAO, Dingyu (Fudan University)

Session Classification: Session 1

Contribution ID: 6

Type: **not specified**

Analytical methods for cosmological correlators

Saturday, 20 September 2025 10:30 (20 minutes)

Presenter: XIANYU, Zhong-Zhi (Tsinghua University)

Session Classification: Session 2

Contribution ID: 7

Type: **not specified**

Combinatorial geometry and Feynman integrals

Saturday, 20 September 2025 10:50 (20 minutes)

Presenter: ZHANG 张, Hai-Bin 海斌 (Hebei University 河北大学)

Session Classification: Session 2

Contribution ID: 8

Type: **not specified**

Asymptotic GUTs in extra dimension

Saturday, 20 September 2025 11:10 (20 minutes)

Presenter: ZHOU, Ye-Ling (Hangzhou Institute for Advanced Study)

Session Classification: Session 2

Contribution ID: 9

Type: **not specified**

对半度规几何与 Pati-Salam 模型

Saturday, 20 September 2025 11:30 (20 minutes)

Presenter: LI, Desheng

Session Classification: Session 2

Contribution ID: **10**

Type: **not specified**

Improved sensitivities of low-energy $U(1)_{\{B-L\}}$ model at DUNE and FASER

Saturday, 20 September 2025 13:30 (20 minutes)

Presenter: ZHANG, Yongchao (Southeast University)

Session Classification: Session 3

Contribution ID: 11

Type: **not specified**

Phenomenological study of heavy gauge bosons in the left-right symmetric model at future muon collider

Saturday, 20 September 2025 13:50 (20 minutes)

Presenter: LI, Honglei (University of Jinan)

Session Classification: Session 3

Contribution ID: 12

Type: **not specified**

Machine learning detection of Standard Model jets in collider events

Saturday, 20 September 2025 14:10 (20 minutes)

Presenter: LI, Jinmian (四川大学)

Session Classification: Session 3

Contribution ID: 13

Type: **not specified**

Searching for long-lived particles at Belle II

Saturday, 20 September 2025 14:30 (20 minutes)

Presenter: WANG (王), Zeren Simon (泽人) (Hefei University of Technology)

Session Classification: Session 3

Contribution ID: 14

Type: **not specified**

Novel channel to search for LLPs at CEPC

Saturday, 20 September 2025 14:50 (20 minutes)

Presenter: LIANG, Jinhan (华南师范大学)

Session Classification: Session 3

Contribution ID: 15

Type: **not specified**

正反缪子素转化实验 (MACE) 研究进展

Saturday, 20 September 2025 15:10 (20 minutes)

Presenter: ZHAO, Shihan (Sun Yat-Sen University)

Session Classification: Session 3

Contribution ID: 16

Type: **not specified**

Probing light dark matter in direct detections and neutrino experiments

Saturday, 20 September 2025 16:00 (20 minutes)

Presenter: WU, Lei (Nanjing Normal University)

Session Classification: Session 4

Contribution ID: 17

Type: **not specified**

Probing detection of dark photon oscillation in a waveguide

Saturday, 20 September 2025 16:20 (20 minutes)

Presenter: WANG, Wenyu (Beijing University of Technology)

Session Classification: Session 4

Contribution ID: **18**

Type: **not specified**

The status of WIMP dark matter in the supersymmetric Georgi-Machacek model

Saturday, 20 September 2025 16:40 (20 minutes)

Presenter: DU, Xiaokang (Henan Academy of Sciences)

Session Classification: Session 4

Contribution ID: **19**

Type: **not specified**

Dark photon dark matter search at the TASEH experiment

Saturday, 20 September 2025 17:00 (20 minutes)

Presenter: 张, 欣

Session Classification: Session 4

Contribution ID: 20

Type: **not specified**

New physics and nuclear physics from neutrino physics

Presenter: 李, 玉峰

Contribution ID: 21

Type: **not specified**

New physics and nuclear physics from neutrino physics

Sunday, 21 September 2025 08:30 (20 minutes)

Presenter: LI, Yufeng (IHEP, Beijing)

Session Classification: Session 5

Contribution ID: 22

Type: **not specified**

Interplay between seesaw and vector-like lepton

Sunday, 21 September 2025 08:50 (20 minutes)

Presenter: 康, 召丰 (N)

Session Classification: Session 5

Contribution ID: 23

Type: **not specified**

Neutrino fog at CJPL

Sunday, 21 September 2025 09:10 (20 minutes)

Presenter: 刘, 学文 (烟台大学)

Session Classification: Session 5

Contribution ID: 24

Type: **not specified**

Eclectic flavor groups

Sunday, 21 September 2025 09:30 (20 minutes)

Presenter: 黎, 才昌

Session Classification: Session 5

Contribution ID: 25

Type: **not specified**

Non-abelian domain walls

Sunday, 21 September 2025 09:50 (20 minutes)

Presenter: FU, Bowen (Northeastern University, Shenyang)

Session Classification: Session 5

Contribution ID: 26

Type: **not specified**

手征磁效应与轻子生成机制

Sunday, 21 September 2025 10:40 (20 minutes)

Presenter: CHAO, Wei (Beijing Normal University)

Session Classification: Session 6

Contribution ID: 27

Type: **not specified**

Leptogenesis triggered by an electroweak phase transition

Sunday, 21 September 2025 11:00 (20 minutes)

Presenter: XIE (谢), Ke-Pan (柯盼) (Beihang University (北京航空航天大学))

Session Classification: Session 6

Contribution ID: 28

Type: **not specified**

Testing leptogenesis from observable gravitational waves

Sunday, 21 September 2025 11:20 (20 minutes)

Presenter: LIU, Wei (刘威) (Nanjing University of Science and Technology (南京理工))

Session Classification: Session 6

Contribution ID: 29

Type: **not specified**

Connecting inflation and baryon asymmetry via neutrino reheating

Sunday, 21 September 2025 11:40 (20 minutes)

Presenter: ZHANG, Xinyi (Hebei University)

Session Classification: Session 6

Contribution ID: 30

Type: **not specified**

New physics related to axion

Sunday, 21 September 2025 13:30 (20 minutes)

Presenter: 王, 小平

Session Classification: Session 7

Contribution ID: 31

Type: **not specified**

Supernova constraints on lepton flavor violating axions

Sunday, 21 September 2025 13:50 (20 minutes)

Presenter: LIU, Zuowei (Nanjing University)

Session Classification: Session 7

Contribution ID: 32

Type: **not specified**

Axion star tidal effects and bosenova

Sunday, 21 September 2025 14:10 (20 minutes)

Presenter: GAO, Yu

Session Classification: Session 7

Contribution ID: 33

Type: **not specified**

Resonant enhancement of axion dark matter decay

Sunday, 21 September 2025 14:30 (20 minutes)

Presenter: HOUSTON, Nick (Beijing University of Technology)

Session Classification: Session 7

Contribution ID: 34

Type: **not specified**

Exploration of axions and Standard Model global properties

Sunday, 21 September 2025 14:50 (20 minutes)

Presenter: LIU, Yandong (Beijing Normal University)

Session Classification: Session 7

Contribution ID: 35

Type: **not specified**

大型强子对撞机上全重四夸克态的理论研究

Presenter: 朱, 瑞林 (Nanjing Normal University)

Session Classification: Session 4

Contribution ID: 36

Type: **not specified**

大型强子对撞机上全重四夸克态的理论研究

Sunday, 21 September 2025 15:40 (20 minutes)

Presenter: 朱, 瑞林 (Nanjing Normal University)

Session Classification: Session 8

Contribution ID: 37

Type: **not specified**

重介子四体半轻衰变研究进展

Sunday, 21 September 2025 16:00 (20 minutes)

Presenter: CHENG, Shan (Hunan University)

Session Classification: Session 8

Contribution ID: 38

Type: **not specified**

Multiple solution with coherent background in hadron data analysis

Sunday, 21 September 2025 16:20 (20 minutes)

Presenter: BAI, Yu (Southeast University)

Session Classification: Session 8

Contribution ID: 39

Type: **not specified**

The CP violation in the charged meson decays induced by sterile neutrinos

Sunday, 21 September 2025 16:40 (20 minutes)

Presenter: 王, 天鸿 (哈尔滨工业大学)

Session Classification: Session 8

Contribution ID: 40

Type: **not specified**

The CP violation in the charged meson decays induced by sterile neutrinos

Presenter: 王, 天鸿

Session Classification: Session 8

Contribution ID: 41

Type: **not specified**

强子对撞机上双重夸克偶素产生过程的 QCD 修正

Sunday, 21 September 2025 17:00 (20 minutes)

Presenter: 金, 笑博

Session Classification: Session 8