

TeV 物理前沿专题研讨会暨第 31 届 LHC Mini-Workshop

Report of Contributions

Contribution ID: **11**

Type: **not specified**

会议致辞

Saturday, 11 October 2025 08:30 (10 minutes)

Presenter: HUANG, Xingtao (Shandong University)

Session Classification: Session 1

Contribution ID: 12

Type: **not specified**

会议宗旨介绍

Saturday, 11 October 2025 08:40 (10 minutes)

Presenter: WU, Yusheng (University of Science and Technology of China)

Session Classification: Session 1

Contribution ID: **13**

Type: **not specified**

Logistics from LOC

Saturday, 11 October 2025 08:50 (10 minutes)

Presenter: LIU (刘) , Yanlin (彦麟) (Shandong University)

Session Classification: Session 1

Contribution ID: **14**

Type: **not specified**

Review of SM measurement

Saturday, 11 October 2025 09:00 (30 minutes)

Presenter: WU, Yusheng (University of Science and Technology of China)

Session Classification: Session 1

Contribution ID: 15

Type: **not specified**

Review of MC generators

Saturday, 11 October 2025 09:30 (30 minutes)

Presenter: LI, Haitao (Shandong University)

Session Classification: Session 1

Contribution ID: **16**

Type: **not specified**

Review of QCD precision calculations

Saturday, 11 October 2025 10:00 (30 minutes)

Presenter: YANG, Tongzhi (University of Zurich)

Session Classification: Session 1

Contribution ID: 17

Type: **not specified**

合影、茶歇

Session Classification: Session 1

Contribution ID: **18**

Type: **not specified**

Quantum entanglement theory

Saturday, 11 October 2025 11:00 (30 minutes)

Presenter: CAO, Qing-Hong (Peking University)

Session Classification: Session 2

Contribution ID: **19**

Type: **not specified**

Quantum entanglement experiment

Saturday, 11 October 2025 11:30 (30 minutes)

Presenter: LI, Qiang (Peking Univ.)

Session Classification: Session 2

Contribution ID: 20

Type: **not specified**

Quantum entanglement theory and its generic searches in high energy physics

Saturday, 11 October 2025 12:00 (30 minutes)

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

Session Classification: Session 2

Contribution ID: **21**

Type: **not specified**

Toponium theory

Saturday, 11 October 2025 14:00 (30 minutes)

Presenter: YANG, Lilin (Zhejiang University)

Session Classification: Session 3

Contribution ID: 22

Type: **not specified**

Toponium experiment

Saturday, 11 October 2025 14:30 (30 minutes)

Presenter: LI, Haifeng (Shandong University)

Session Classification: Session 3

Contribution ID: 23

Type: **not specified**

Review of SM polarization theory

Saturday, 11 October 2025 15:00 (30 minutes)

Presenter: YAN, Bin (IHEP)

Session Classification: Session 3

Contribution ID: 24

Type: **not specified**

Diboson polarization from LHC

Saturday, 11 October 2025 15:30 (30 minutes)

Presenters: XU, Lailin (University of Science and Technology of China); XU, Lailin (University of Science and Technology of China (USTC))

Session Classification: Session 3

Contribution ID: 25

Type: **not specified**

DiHiggs theory

Saturday, 11 October 2025 16:20 (30 minutes)

Presenter: WANG, Jian (Shandong University)

Session Classification: Session 4

Contribution ID: 26

Type: **not specified**

DiHiggs from ATLAS

Saturday, 11 October 2025 16:50 (25 minutes)

Presenter: 张 (ZHANG), 雷 (Lei) (南京大学 (Nanjing University))

Session Classification: Session 4

Contribution ID: 27

Type: **not specified**

DiHiggs from CMS

Saturday, 11 October 2025 17:15 (25 minutes)

Presenter: LU, Nan (University of Science and Technology of China)

Session Classification: Session 4

Contribution ID: 28

Type: **not specified**

Potential of di-Higgs observation via a calibratable jet-free HH->4b framework

Saturday, 11 October 2025 17:40 (20 minutes)

Presenter: LI, Congqiao (Peking University)

Session Classification: Session 4

Contribution ID: 29

Type: **not specified**

Rare Higgs decay from ATLAS

Sunday, 12 October 2025 08:30 (25 minutes)

Presenter: LIU (刘) , Yanlin (彦麟) (Shandong University)

Session Classification: Session 5

Contribution ID: **30**

Type: **not specified**

Rare Higgs decay from CMS

Sunday, 12 October 2025 08:55 (25 minutes)

Presenter: ZHOU (周) , Chen (辰) (Peking University (北京大学))

Session Classification: Session 5

Contribution ID: 31

Type: **not specified**

Electroweak corrections for Higgs boson production and decay

Sunday, 12 October 2025 09:20 (25 minutes)

Presenter: 陈, 龙斌 (广州大学)

Session Classification: Session 5

Contribution ID: 32

Type: **not specified**

Energy correlator theory

Sunday, 12 October 2025 10:05 (30 minutes)

Presenter: ZHU, HuaXing (Peking University)

Session Classification: Session 6

Contribution ID: 33

Type: **not specified**

Energy correlator and jet substructure experiment

Sunday, 12 October 2025 10:35 (30 minutes)

Presenter: XIAO, meng (Zhejiang University)

Session Classification: Session 6

Contribution ID: 34

Type: **not specified**

Leptophilic axionlike particles at forward detectors

Sunday, 12 October 2025 14:00 (20 minutes)

Presenter: 卢, 致廷 (南京师范大学)

Session Classification: Session 7

Contribution ID: 35

Type: **not specified**

Constructing Quantum Entanglement Criteria for Collider Processes

Sunday, 12 October 2025 14:20 (20 minutes)

Presenter: 裴, 俊乐 (中国科学院理论物理研究所)

Session Classification: Session 7

Contribution ID: 36

Type: **not specified**

Entanglement and Bell Nonlocality in $\tau^+\tau^-$ at the LHC using Machine Learning for Neutrino Reconstruction

Sunday, 12 October 2025 14:40 (20 minutes)

Presenter: ZHOU, Baihong (Tsung-Dao Lee Institute, Shanghai Jiao Tong Univ. (CN))

Session Classification: Session 7

Contribution ID: 37

Type: **not specified**

Quantum Entanglement of Light Quarks Probed by TMD Fragmentation

Sunday, 12 October 2025 15:00 (20 minutes)

Presenter: LI, Guanghui (IHEP)

Session Classification: Session 7

Contribution ID: 38

Type: **not specified**

tW production with soft gluon resummation at next-to-next-to-next-to-leading logarithmic level

Sunday, 12 October 2025 15:20 (20 minutes)

Presenter: 丁, 家乐 (山东大学)

Session Classification: Session 7

Contribution ID: 39

Type: **not specified**

Probing Quark Properties via Fragmentation Hadrons at Lepton Colliders

Sunday, 12 October 2025 16:00 (20 minutes)

Presenter: 文, 新锴 (CCAST/IHEP)

Session Classification: Session 8

Contribution ID: 40

Type: **not specified**

Probing top-quark electroweak couplings indirectly at the Electron-Ion Collider

Sunday, 12 October 2025 16:20 (20 minutes)

Presenter: JIANG, Xuhui (IHEP)

Session Classification: Session 8

Contribution ID: 41

Type: **not specified**

SMEFT, HEFT and new physics

Sunday, 12 October 2025 16:40 (20 minutes)

Presenter: 万, 霞 (陕西师范大学)

Session Classification: Session 8

Contribution ID: 42

Type: **not specified**

会议总结

Sunday, 12 October 2025 17:00 (30 minutes)

Presenter: CAO, Qing-Hong (Peking University)

Session Classification: Session 8

Contribution ID: 43

Type: **not specified**

2026 年会议举办

Saturday, 11 October 2025 18:00 (5 minutes)

Presenter: ZHOU (周) , Chen (辰) (Peking University (北京大学))

Session Classification: Session 4