

第六届粒子物理前沿研讨会-The Sixth Workshop on Frontiers of Particle Physics

Report of Contributions

Contribution ID: 4

Type: **not specified**

What experiments tell us about SUSY?

Presenter: CAO, Junjie (Henan Normal University)

Contribution ID: 5

Type: **not specified**

Light Sparticles at the LHC

Presenter: ZHANG, Yang (Henan Normal University)

Contribution ID: 6

Type: **not specified**

Asymptotic GUT in extra dimension

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

Contribution ID: 7

Type: **not specified**

Searching for new physics using machine learning and quantum machine learning algorithms

Presenter: 张, 帅 (辽宁师范大学)

Contribution ID: **8**

Type: **not specified**

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Session Classification: Report

Contribution ID: 9

Type: **not specified**

What experiments tell us about SUSY?

Wednesday, 16 July 2025 09:10 (30 minutes)

Presenter: CAO, Junjie (Henan Normal University)

Session Classification: Report

Contribution ID: **10**

Type: **not specified**

Light Sparticles at the LHC

Wednesday, 16 July 2025 15:00 (20 minutes)

Presenter: ZHANG, Yang (Henan Normal University)

Session Classification: Report

Contribution ID: **11**

Type: **not specified**

Asymptotic GUT in extra dimension

Wednesday, 16 July 2025 10:00 (20 minutes)

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

Session Classification: Report

Contribution ID: 12

Type: **not specified**

Searching for new physics using machine learning and quantum machine learning algorithms

Wednesday, 16 July 2025 10:50 (20 minutes)

Presenter: ZHANG, Shuai (辽宁师范大学)

Session Classification: Report

Contribution ID: 13

Type: **not specified**

New physics informed Baryogenesis

Wednesday, 16 July 2025 11:10 (20 minutes)

Presenter: CHAO, Wei (Beijing Normal University)

Session Classification: Report

Contribution ID: 14

Type: **not specified**

New Physics searches at e+e- collider experiment

Wednesday, 16 July 2025 11:30 (20 minutes)

Presenter: PRASAD, Vindhyaasini (Jilin University)

Session Classification: Report

Contribution ID: 15

Type: **not specified**

γ/ϕ_3 CKM unitarity triangle and $B \rightarrow DP$ puzzle beyond the standard model

Thursday, 17 July 2025 17:10 (20 minutes)

Presenter: UMEEDA, Hiroyuki (Jilin University)

Session Classification: Report

Contribution ID: 16

Type: **not specified**

Full analysisi of CPV corresponding to angular correlations in four-body decays of heavy hadrons

Wednesday, 16 July 2025 14:00 (20 minutes)

Presenter: ZHANG, Zhen-Hua (University of South China)

Session Classification: Report

Contribution ID: 17

Type: **not specified**

Application of the generalized partial wave amplitude in effective field theory

Wednesday, 16 July 2025 14:20 (20 minutes)

Presenter: LI, Hao-Lin (Zhongshan University)

Session Classification: Report

Contribution ID: **18**

Type: **not specified**

Observation of quantum entanglement in $\Lambda\bar{\Lambda}$ pair production via electron-positron annihilation

Presenter: PEI, Junle

Session Classification: Report

Contribution ID: **19**

Type: **not specified**

NP search at the CEPC : a General Perspective

Wednesday, 16 July 2025 09:40 (20 minutes)

Presenter: LI , Zhao (IHEP-CAS)

Session Classification: Report

Contribution ID: 20

Type: **not specified**

Interplay of ALP Couplings at a Muon Collider

Wednesday, 16 July 2025 15:20 (20 minutes)

Presenter: ZHANG, Yufei (TDLI, SJTU)

Session Classification: Report

Contribution ID: **21**

Type: **not specified**

Long lived Particle of Higgs sector

Wednesday, 16 July 2025 16:10 (20 minutes)

Presenter: SU, Wei (Sun Yat-Sen University)

Session Classification: Report

Contribution ID: 22

Type: **not specified**

Search for Tens of MeV Neutral Resonance from Higgs decay

Wednesday, 16 July 2025 16:30 (20 minutes)

Presenter: WANG, Yipin (Peking University)

Session Classification: Report

Contribution ID: 23

Type: **not specified**

The impact of dark Higgs mechanism on the detection of invisible dark photon

Wednesday, 16 July 2025 16:50 (20 minutes)

Presenter: ZHU, Rui (Institute of Theoretical Physics, Chinese Academy of Sciences)

Session Classification: Report

Contribution ID: 24

Type: **not specified**

Probing lepton flavor violating dark matter scenarios via astrophysical photons

Wednesday, 16 July 2025 17:10 (20 minutes)

Presenter: LIANG, Jinhan (华南师范大学)

Session Classification: Report

Contribution ID: 25

Type: **not specified**

Asteroid-mass soliton as the dark matter-baryon coincidence solution

Wednesday, 16 July 2025 17:30 (20 minutes)

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

Session Classification: Report

Contribution ID: 26

Type: **not specified**

Exploring Dark Matter and Neutrinos with XENONnT Experiment

Thursday, 17 July 2025 08:40 (20 minutes)

Presenter: LI, Shengchao

Session Classification: Report

Contribution ID: 27

Type: **not specified**

B-meson FCNC decays as a probe of light Dark Matter

Thursday, 17 July 2025 09:00 (20 minutes)

Presenter: YUAN, Xingbo (Central China Normal University)

Session Classification: Report

Contribution ID: 28

Type: **not specified**

Gauss relations of Feynman integrals in Grassmannians

Thursday, 17 July 2025 09:20 (20 minutes)

Presenter: ZHANG , Haibin (Hebei University 河北大学)

Session Classification: Report

Contribution ID: 29

Type: **not specified**

On the symmetry breaking patterns in an SU(8) theory

Thursday, 17 July 2025 09:40 (20 minutes)

Presenter: WANG, Bin (Nankai University)

Session Classification: Report

Contribution ID: 30

Type: **not specified**

RGE solver for the complete dim-7 SMEFT interactions and its application to $0\nu\beta\beta$ decay

Thursday, 17 July 2025 10:00 (20 minutes)

Presenter: ZHAO, Xiang (中山大学)

Session Classification: Report

Contribution ID: 31

Type: **not specified**

对低能标轻子生成的一些研究

Thursday, 17 July 2025 10:50 (20 minutes)

Presenter: SHAO, Yan (N)

Session Classification: Report

Contribution ID: 32

Type: **not specified**

学科与自由讨论: 电弱相变研究的统一范式: 贯通真空 热历史、奇异泡泡构型与两圈有效势计算

Thursday, 17 July 2025 11:10 (20 minutes)

Presenter: JIANG, Yun (Sun Yat-Sen (Zhongshan) University)

Session Classification: Report

Contribution ID: 33

Type: **not specified**

Geomagnetic signal of millicharged dark matter

Thursday, 17 July 2025 11:30 (20 minutes)

Presenter: ZHU, Bin (Yantai University)

Session Classification: Report

Contribution ID: 34

Type: **not specified**

Studies on Domain Walls, Cosmic Strings, and Their Gravitational Wave Signatures

Thursday, 17 July 2025 11:50 (20 minutes)

Presenter: YU, Zhaohuan (Sun Yat-sen University)

Session Classification: Report

Contribution ID: 35

Type: **not specified**

LM-based physics analysis assistant at BESIII

Thursday, 17 July 2025 14:00 (20 minutes)

Presenter: LIAO, Yipu (IHEP)

Session Classification: Report

Contribution ID: 36

Type: **not specified**

The First Constraint on the Dark Matter Millicharge via Multimessenger Time-Delay Analysis of GRB GW170817A

Thursday, 17 July 2025 14:20 (20 minutes)

Presenter: ZHANG, Wenxing (Hebei University)

Session Classification: Report

Contribution ID: 37

Type: **not specified**

A bright electron-positron annihilation line in the BOAT GRB221009A

Thursday, 17 July 2025 15:00 (20 minutes)

Presenter: ZHANG, Zhen (IHEP)

Session Classification: Report

Contribution ID: **38**

Type: **not specified**

RECODE program for reactor neutrino CEvNS and Physics beyond SM

Wednesday, 16 July 2025 14:40 (20 minutes)

Presenter: WU, Yongcheng (Nanjing Normal University)

Session Classification: Report

Contribution ID: 39

Type: **not specified**

A C++ program for estimating detector sensitivities to long-lived particles: displaced decay counter

Thursday, 17 July 2025 15:20 (20 minutes)

Presenter: WANG, Zeren (Hefei University of Technology)

Session Classification: Report

Contribution ID: 40

Type: **not specified**

MeV emission line in prompt emission in gamma-ray bursts

Thursday, 17 July 2025 14:40 (20 minutes)

Presenter: YI, Shuxu (高能所)

Session Classification: Report

Contribution ID: 41

Type: **not specified**

超算互联网平台介绍

Thursday, 17 July 2025 16:30 (20 minutes)

Presenter: SUN, Xiuqi

Session Classification: Report

Contribution ID: 42

Type: **not specified**

惠州大装置上的高精度物理实验

Presenter: CHEN, Xurong (中科院近代物理研究所)

Session Classification: Report

Contribution ID: 43

Type: **not specified**

Unify the QGP transports and equations of state in a holographic QCD Model

Wednesday, 16 July 2025 11:50 (20 minutes)

Presenter: HE, Song (Jilin University)

Session Classification: Report

Contribution ID: 44

Type: **not specified**

一类大统一模型的验证方法

Thursday, 17 July 2025 16:50 (20 minutes)

Presenter: CHEN, Shi-hao

Session Classification: Report

Contribution ID: 45

Type: **not specified**

第七届会议简介

Thursday, 17 July 2025 17:30 (20 minutes)

Session Classification: Report