

第 22 届重味物理与 CP 破坏研讨会



Report of Contributions

Contribution ID: 1

Type: **not specified**

欢迎致辞

Saturday, 25 October 2025 08:30 (10 minutes)

Presenter: GAO, Yuanning (Peking University)

Session Classification: 实验总结 1

Contribution ID: 2

Type: **not specified**

大会主席致辞

Saturday, 25 October 2025 08:40 (10 minutes)

Presenter: 黄涛, Tao (高能所)

Session Classification: 实验总结 1

Contribution ID: 3

Type: **not specified**

LHCb 实验综述

Saturday, 25 October 2025 08:50 (25 minutes)

Presenters: SUN, Liang (Wuhan University); SUN, Liang (Institut de Physique Nucleaire de Lyon (IPNL), France)

Session Classification: 实验总结 1

Contribution ID: 4

Type: **not specified**

BESIII 实验总结

Saturday, 25 October 2025 09:15 (25 minutes)

Presenter: LI, Pei-Rong (LanZhou University)

Session Classification: 实验总结 1

Contribution ID: 5

Type: **not specified**

Recent progress on heavy quark physics

Saturday, 25 October 2025 09:40 (25 minutes)

Presenter: 徐, 吉 (中国科学院大学物理科学学院)

Session Classification: 实验总结 1

Contribution ID: 6

Type: **not specified**

BelleII 实验综述

Saturday, 25 October 2025 10:45 (25 minutes)

Presenter: JIA, Sen (Southeast University)

Session Classification: 实验总结 2

Contribution ID: 7

Type: **not specified**

CMS 实验综述

Saturday, 25 October 2025 11:10 (25 minutes)

Presenter: HU, Zhen (Tsinghua University)

Session Classification: 实验总结 2

Contribution ID: 8

Type: **not specified**

Analysis of charmed baryon two-body decays and CP violation within SU(3) flavor symmetry

Saturday, 25 October 2025 14:00 (20 minutes)

Presenter: 孙, 进 (Institute for Basic Science (IBS))

Session Classification: 一分会报告

Contribution ID: 9

Type: **not specified**

Search for CP violation in charm sector at the CMS experiment

Saturday, 25 October 2025 14:20 (20 minutes)

Presenter: SERGEYCHIK, Vladimir (Tsinghua University)

Session Classification: 一分会报告

Contribution ID: **10**

Type: **not specified**

Determination of B -meson distribution amplitudes from $B \rightarrow P$ form factors

Saturday, 25 October 2025 14:40 (20 minutes)

Presenter: 李, 东浩

Session Classification: 一分会报告

Contribution ID: 11

Type: **not specified**

Implications of recent LHCb data on CPV in b -baryon four body decays

Saturday, 25 October 2025 16:30 (20 minutes)

Presenter: 邢, 志鹏 (南京师范大学)

Session Classification: 一分会报告

Contribution ID: 12

Type: **not specified**

Quantum-correlated charm physics at BESIII

Saturday, 25 October 2025 15:20 (20 minutes)

Presenter: LIU, peilian (Shandong University)

Session Classification: 一分会报告

Contribution ID: 13

Type: **not specified**

LHCb 实验底强子到粲偶素衰变的 CP 破坏

Saturday, 25 October 2025 16:10 (20 minutes)

Presenter: 胡, 晓凡 (Tsinghua University)

Session Classification: 一分会报告

Contribution ID: 14

Type: **not specified**

New observables for asymmetry and CP violation in B decays

Saturday, 25 October 2025 15:00 (20 minutes)

Presenter: QI, jingjuan (Beijing Normal University)

Session Classification: 一分会报告

Contribution ID: 15

Type: **not specified**

Probing P and CP violations inside the proton

Saturday, 25 October 2025 16:50 (20 minutes)

Presenter: CHEN, Yi (University of Science and Technology of China, China)

Session Classification: 一分会报告

Contribution ID: 16

Type: **not specified**

Testing CP-violation in heavy scalar sector at future muon colliders

Saturday, 25 October 2025 17:10 (20 minutes)

Presenter: 李, 千禧 (武汉理工大学)

Session Classification: 一分会报告

Contribution ID: 17

Type: **not specified**

粲底重子非轻弱衰变的唯象研究

Presenter: 胡, 晓会 (China University of mining and technology)

Session Classification: 一分会报告

Contribution ID: **18**

Type: **not specified**

Hadron spectroscopy at LHCb

Sunday, 26 October 2025 08:30 (20 minutes)

Presenter: ZHANG, Liming (Tsinghua University)

Session Classification: 大会报告

Contribution ID: **19**

Type: **not specified**

Recent theory progress on heavy quark exotics

Sunday, 26 October 2025 09:10 (20 minutes)

Presenter: 朱, 瑞林 (Nanjing Normal University)

Session Classification: 大会报告

Contribution ID: 20

Type: **not specified**

Recent progress on the XYZ studies at BESIII

Sunday, 26 October 2025 09:30 (20 minutes)

Presenter: 单, 葳 (湖南师范大学)

Session Classification: 大会报告

Contribution ID: 21

Type: **not specified**

Review of charmonium(-like) results at Belle and Belle II

Sunday, 26 October 2025 09:50 (20 minutes)

Presenter: 姬, 清平 (河南师范大学)

Session Classification: 大会报告

Contribution ID: 22

Type: **not specified**

Observation of a family of all-charm tetraquarks at CMS

Sunday, 26 October 2025 08:50 (20 minutes)

Presenter: 周, 漪琳

Session Classification: 大会报告

Contribution ID: 23

Type: **not specified**

Overview of toponium

Sunday, 26 October 2025 10:40 (20 minutes)

Presenter: LI, Haifeng (Shandong University)

Session Classification: 大会报告

Contribution ID: 24

Type: **not specified**

Toponium theory

Sunday, 26 October 2025 11:00 (20 minutes)

Presenter: YANG, Lilin (Zhejiang University)

Session Classification: 大会报告

Contribution ID: 25

Type: **not specified**

Recent progress on inclusive quarkonium production and polarization

Sunday, 26 October 2025 11:20 (20 minutes)

Presenter: WANG, Xiangpeng (CCNU)

Session Classification: 大会报告

Contribution ID: 26

Type: **not specified**

Progress on PQCD for hadronic B decays

Sunday, 26 October 2025 11:40 (20 minutes)

Presenter: 李, 亚 (南京师范大学)

Session Classification: 大会报告

Contribution ID: 27

Type: **not specified**

LHCb 实验上显粲四夸克态研究

Sunday, 26 October 2025 14:00 (20 minutes)

Presenters: 周, 天雯 (北京大学); 周, 天雯 (北京大学)

Session Classification: 一分会场报告

Contribution ID: 28

Type: **not specified**

Probing the elusive $\kappa/K_0^*(700)$ resonance in semileptonic $\bar{D}$ decays

Sunday, 26 October 2025 16:30 (20 minutes)

Presenter: HSIAO, Yu-Kuo (National Center for Theoretical Sciences)

Session Classification: 一分会场报告

Contribution ID: 29

Type: **not specified**

NLO corrections to $J/\psi + c + \bar{c}$ photoproduction and hadroproduction

Sunday, 26 October 2025 14:40 (20 minutes)

Presenter: 冯, 麒铭 (UCAS)

Session Classification: 一分会场报告

Contribution ID: 30

Type: **not specified**

NLO corrections to dimuonium production in photon-photon collision

Sunday, 26 October 2025 15:20 (20 minutes)

Presenter: HU, Qiwei

Session Classification: 一分会场报告

Contribution ID: 31

Type: **not specified**

Nonrelativistic QCD as a new probe of fully-heavy tetraquarks

Sunday, 26 October 2025 15:00 (20 minutes)

Presenter: ZHANG, Hong-Fei (Guizhou University of Finance and Economics)

Session Classification: 一分会场报告

Contribution ID: 32

Type: **not specified**

Study of the decays $D^0 \rightarrow K^+ K^- \eta$ and $\pi^+ \pi^- \eta$ with the role of $a_0(980)$

Sunday, 26 October 2025 16:50 (20 minutes)

Presenters: XIAO, Chuwen (University of Valencia and IFIC); 肖, 楮文 (广西师范大学); 任, 赞 (UCAS)

Session Classification: 一分会场报告

Contribution ID: 33

Type: **not specified**

粲底重子非轻弱衰变的唯象研究

Sunday, 26 October 2025 17:30 (20 minutes)

Presenter: 胡, 晓会 (China University of mining and technology)

Session Classification: 一分会场报告

Contribution ID: 34

Type: **not specified**

Radiative decay and electromagnetic radius of heavy-light mesons

Presenter: 侯, 文正 (华南师范大学)

Session Classification: 一分会场报告

Contribution ID: 35

Type: **not specified**

Scalar and tensor structures in $J/\psi J/\psi$ scattering from lattice QCD

Sunday, 26 October 2025 14:20 (20 minutes)

Presenter: LI, Geng (Harbin Institute of Technology)

Session Classification: 一分会场报告

Contribution ID: 36

Type: **not specified**

Spectra of baryonium states

Sunday, 26 October 2025 17:10 (20 minutes)

Presenter: 张, 轩珩 (中国科学院大学)

Session Classification: 一分会场报告

Contribution ID: 37

Type: **not specified**

Recent results of lepton flavor universality test at Belle II

Monday, 27 October 2025 08:30 (20 minutes)

Presenter: 周/ZHOU, 启东/Qidong (山东大学/Shandong university)

Session Classification: 大会报告

Contribution ID: **38**

Type: **not specified**

Semileptonic decays at LHCb

Monday, 27 October 2025 08:50 (20 minutes)

Presenter: WANG, Jike (Wuhan University)

Session Classification: 大会报告

Contribution ID: 39

Type: **not specified**

New physics beyond SM from B decays: status and proposet

Monday, 27 October 2025 09:30 (20 minutes)

Presenter: 袁, 兴博 (Central China Normal University)

Session Classification: 大会报告

Contribution ID: 40

Type: **not specified**

Heavy meson structures from first-principles

Monday, 27 October 2025 09:50 (20 minutes)

Presenter: 张, 其安 (Beijing University Of Technology)

Session Classification: 大会报告

Contribution ID: 41

Type: **not specified**

Heavy to light form factors from LQCD

Monday, 27 October 2025 09:10 (20 minutes)

Presenter: MENG, Yu (Zhengzhou University)

Session Classification: 大会报告

Contribution ID: 42

Type: **not specified**

CP violation at LHCb

Monday, 27 October 2025 10:40 (20 minutes)

Presenter: 尹, 航 (华中师范大学)

Session Classification: 大会报告

Contribution ID: 43

Type: **not specified**

Recent results on the charm meson decays at BESIII

Monday, 27 October 2025 11:00 (20 minutes)

Presenter: 柯, 百谦 (郑州大学)

Session Classification: 大会报告

Contribution ID: 44

Type: **not specified**

Theoretical predictions for baryon CPV

Monday, 27 October 2025 11:20 (20 minutes)

Presenter: 韩, 佳杰 (LanZhou University)

Session Classification: 大会报告

Contribution ID: 45

Type: **not specified**

Progress on tau-physics

Monday, 27 October 2025 11:40 (20 minutes)

Presenter: GUO, Zhi-Hui (Hebei Normal University)

Session Classification: 大会报告

Contribution ID: 46

Type: **not specified**

Charm physics and Charmed-baryon decays at BelleII

Monday, 27 October 2025 14:00 (20 minutes)

Presenter: 李, 素娴 (Zhengzhou University)

Session Classification: 大会报告

Contribution ID: 47

Type: **not specified**

Recent results on the charmed baryon physics at BESIII

Monday, 27 October 2025 14:20 (20 minutes)

Presenter: XU, YingChao (UCAS)

Session Classification: 大会报告

Contribution ID: 48

Type: **not specified**

Studying Bell nonlocality of light quarks and new physics effects in fragmentation hadrons at lepton colliders

Monday, 27 October 2025 14:40 (20 minutes)

Presenter: YAN, Bin (IHEP)

Session Classification: 大会报告

Contribution ID: 49

Type: **not specified**

Progress on light hadron lightcone structures for heavy hadron decays: LQCD and global fits

Monday, 27 October 2025 15:00 (20 minutes)

Presenter: 华, 俊 (South China Normal University)

Session Classification: 大会报告

Contribution ID: 50

Type: **not specified**

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Session Classification: 大会报告

Contribution ID: 51

Type: **not specified**

重介子四体半轻衰变理论进展

Monday, 27 October 2025 15:50 (20 minutes)

Presenter: CHENG, Shan (Hunan University)

Session Classification: 大会报告

Contribution ID: 52

Type: **not specified**

QED correction of the hadron masses with heavy quark

Monday, 27 October 2025 16:10 (20 minutes)

Presenter: YANG, Yi-Bo (ITP/CAS)

Session Classification: 大会报告

Contribution ID: 53

Type: **not specified**

Flavor physics at STCF

Monday, 27 October 2025 16:30 (20 minutes)

Presenter: LI, Huijing (Henan Normal University)

Session Classification: 大会报告

Contribution ID: 54

Type: **not specified**

Flavor physics at CEPC

Monday, 27 October 2025 16:50 (20 minutes)

Presenters: CHEN, Shanzhen (IHEP, CAS); CHEN, Shanzhen (高能所 (IHEP, CAS)); CHEN, Shanzhen (IHEP, CAS)

Session Classification: 大会报告

Contribution ID: 55

Type: **not specified**

大会总结

Monday, 27 October 2025 17:20 (20 minutes)

Presenter: 李, 新强 (华中师范大学)

Session Classification: 大会报告

Contribution ID: 56

Type: **not specified**

FCCC Semileptonic Ξ_b decays in PQCD

Saturday, 25 October 2025 15:20 (20 minutes)

Presenter: 周, 锐 (North China University of Science and Technology)

Session Classification: 二分会场报告

Contribution ID: 57

Type: **not specified**

Constraining neutrino-quark scalar couplings from neutrino masses

Saturday, 25 October 2025 14:20 (20 minutes)

Presenter: 陈, 丰之 (暨南大学)

Session Classification: 二分会场报告

Contribution ID: 58

Type: **not specified**

Form Factors for $B_c^* \rightarrow J/\psi(\eta_c) + l\nu l$ at NLO in QCD

Saturday, 25 October 2025 14:40 (20 minutes)

Presenter: 陶, 伟 (Henan Normal University)

Session Classification: 二分会场报告

Contribution ID: 59

Type: **not specified**

Probing quark electromagnetic properties via entangled quark pairs in fragmentation hadrons at lepton colliders

Saturday, 25 October 2025 17:10 (20 minutes)

Presenter: 文, 新锴 (CCAST/IHEP)

Session Classification: 二分会场报告

Contribution ID: **60**

Type: **not specified**

Recent results on the conventional charmonia at BESIII

Saturday, 25 October 2025 14:00 (20 minutes)

Presenter: MA, Hailong (IHEP)

Session Classification: 二分会场报告

Contribution ID: **61**

Type: **not specified**

Recent tau physics at Belle II

Saturday, 25 October 2025 16:10 (20 minutes)

Presenter: LI, Chunhua (Nanjing Normal University)

Session Classification: 二分会场报告

Contribution ID: 62

Type: **not specified**

Revisiting semi-leptonic and hadronic B decays via $U(2)^5$ flavour symmetry

Saturday, 25 October 2025 16:30 (20 minutes)

Presenter: 郑, 国笛 (华中师范大学)

Session Classification: 二分会场报告

Contribution ID: 63

Type: **not specified**

Searching for long-lived heavy neutrinos via Higgs portal at a muon collider

Saturday, 25 October 2025 16:50 (20 minutes)

Presenter: 陆, 叶

Session Classification: 二分会场报告

Contribution ID: 64

Type: **not specified**

Semileptonic $s \rightarrow u$ decays of singly heavy baryons

Saturday, 25 October 2025 15:00 (20 minutes)

Presenter: 邢, 艺鹏

Session Classification: 二分会场报告

Contribution ID: 65

Type: **not specified**

Studying Bell nonlocality of light quarks and new physics effects in fragmentation hadrons at lepton colliders

Presenter: YAN, Bin (IHEP)

Session Classification: 二分会场报告

Contribution ID: 66

Type: **not specified**

Higher twist corrections to doubly-charmed baryonic B decays

Sunday, 26 October 2025 14:00 (20 minutes)

Presenter: ZOU, zhi-tian (Yantai University)

Session Classification: 二分会场报告

Contribution ID: 67

Type: **not specified**

Matching three-body HQET hadronic parameters onto QCD

Sunday, 26 October 2025 14:20 (20 minutes)

Presenter: 郑, 宗瀛 (天津大学)

Session Classification: 二分会场报告

Contribution ID: 68

Type: **not specified**

The radially excited D meson production in B decays

Sunday, 26 October 2025 14:40 (20 minutes)

Presenter: 张, 志清 (Henan University of Technology)

Session Classification: 二分会场报告

Contribution ID: 69

Type: **not specified**

QCD sum rule analysis of doubly charmed baryon lifetimes

Sunday, 26 October 2025 15:00 (20 minutes)

Presenter: 乌, 恩其

Session Classification: 二分会场报告

Contribution ID: 70

Type: **not specified**

Studying two-body $\chi_{cJ}(J = 1, 2, 3)$ decays with SU(3) flavor analysis

Sunday, 26 October 2025 15:20 (20 minutes)

Presenter: 兰, 波 (江西师范大学)

Session Classification: 二分会场报告

Contribution ID: 71

Type: **not specified**

LHCb 实验上 B 介子的两体纯重子衰变研究进展

Sunday, 26 October 2025 16:10 (20 minutes)

Presenter: REN, Zan (UCAS)

Session Classification: 二分会场报告

Contribution ID: 72

Type: **not specified**

Study of the two-body nonleptonic $B_c(2S)$ weak decays with the QCD factorization approach

Sunday, 26 October 2025 16:30 (20 minutes)

Presenter: 王, 娜 (河南工业大学)

Session Classification: 二分会场报告

Contribution ID: 73

Type: **not specified**

The complicated QED corrections in the simplest B decay

Sunday, 26 October 2025 16:50 (20 minutes)

Presenter: 周, 四红 (Inner Mongolia University)

Session Classification: 二分会场报告

Contribution ID: 74

Type: **not specified**

Topological diagram approach for two-body Ω_c weak decays

Sunday, 26 October 2025 17:10 (20 minutes)

Presenter: 王, 艳丽 (山西师范大学)

Session Classification: 二分会场报告

Contribution ID: 75

Type: **not specified**

基于第一性原理的粲重子衰变常数计算

Sunday, 26 October 2025 17:30 (20 minutes)

Presenter: 李, 磊毅 (上海交通大学)

Session Classification: 二分会场报告

Contribution ID: 76

Type: **not specified**

Recent Progress on inclusive decays of heavy quarks

Saturday, 25 October 2025 11:35 (25 minutes)

Presenter: QIN, Qin (华中科技大学 (HUST))

Session Classification: 实验总结 2

Contribution ID: 77

Type: **not specified**

Testing CP-violation in heavy scalar sector at future muon colliders

Presenter: 李, 千禧 (武汉理工大学)

Session Classification: 二分会场报告

Contribution ID: 78

Type: **not specified**

The radially excited D meson production in B decays

Presenter: 张, 志清 (Henan University of Technology)

Session Classification: 一分会场报告

Contribution ID: 79

Type: **not specified**

UPC 上夸克偶素遍举产生过程的研究

Sunday, 26 October 2025 16:10 (20 minutes)

Presenter: 陈, 自强 (广州大学)

Session Classification: 一分会场报告

Contribution ID: 80

Type: **not specified**

重介子四体半轻衰变理论进展

Session Classification: 二分会场报告

Contribution ID: 81

Type: **not specified**

**Polarization probes of new physics in
lepton-flavor-violating hyperon production from
 $e^- N \rightarrow \tau^- Y$ scattering**

Saturday, 25 October 2025 17:30 (20 minutes)

Presenter: 胡, 镇清 (河南师范大学)

Session Classification: 二分会场报告

Contribution ID: 82

Type: **not specified**

QED correction of the hadron masses with heavy quark

Presenter: YANG, Yi-Bo (ITP/CAS)

Session Classification: 一分会场报告

Contribution ID: 83

Type: **not specified**

第 23 届会议申请

Monday, 27 October 2025 17:10 (10 minutes)

Session Classification: 大会报告

Contribution ID: 84

Type: **not specified**

Probing Bottom-Baryon CP Violation with Final-State Rescattering

Saturday, 25 October 2025 17:30 (20 minutes)

Presenter: 冯, 天亮 (兰州大学)

Session Classification: 一分会报告

Contribution ID: 85

Type: **not specified**

QCD LCDA of heavy mesons from bHQET

Saturday, 25 October 2025 17:50 (20 minutes)

Presenter: WEI, Yanbing (CCNU)

Session Classification: 二分会场报告

Contribution ID: 86

Type: **not specified**

粲底重子非轻弱衰变的唯象研究

Presenter: 胡, 晓会 (China University of mining and technology)

Session Classification: 二分会场报告