

第五届强子与重味物理理论与 实验联合研讨会

Report of Contributions

Contribution ID: 1

Type: **not specified**

开幕

Presenter: 郭, 志辉 (河北师范大学)

Contribution ID: 2

Type: **not specified**

Belle 和 Belle II 实验进展

Presenter: 李, 郁博 (西安交通大学)

Contribution ID: 3

Type: **not specified**

Highlights of Recent LHCb Rare Decay Results

Presenter: 孙,亮 (武汉大学)

Session Classification: 大会场 1

Contribution ID: 4

Type: **not specified**

BESIII 实验新物理寻找的最新结果

Saturday, 28 March 2026 09:40 (20 minutes)

Presenter: 赵, 明刚 (南开大学)

Session Classification: 大会场 1

Contribution ID: 5

Type: **not specified**

利用夸克模型研究重子半轻衰变

Saturday, 28 March 2026 10:00 (20 minutes)

Presenter: 吴, 佳俊 (中国科学院大学)

Session Classification: 大会场 1

Contribution ID: 6

Type: **not specified**

基于手征有效场论的强子物理研究进展

Saturday, 28 March 2026 10:20 (20 minutes)

Presenter: 姚, 德良 (湖南大学)

Session Classification: 大会场 1

Contribution ID: 7

Type: **not specified**

Belle 和 Belle II 实验进展

Saturday, 28 March 2026 09:00 (20 minutes)

Presenter: 李, 郁博

Session Classification: 大会场 1

Contribution ID: 9

Type: **not specified**

Toponium from LHC

Saturday, 28 March 2026 11:00 (20 minutes)

Presenter: 李, 海峰 (山东大学)

Session Classification: 大会场 2

Contribution ID: 10

Type: **not specified**

顶强子谱学及势模型适用性的讨论

Saturday, 28 March 2026 11:20 (20 minutes)

Presenter: 罗, 肆强 (兰州大学)

Session Classification: 大会场 2

Contribution ID: 11

Type: **not specified**

格点量子色动力学数据对强子性质的约束

Saturday, 28 March 2026 11:40 (20 minutes)

Presenter: 刘, 占伟 (兰州大学)

Session Classification: 大会场 2

Contribution ID: 12

Type: **not specified**

Nucleon sigma term in BChPT at two-loop order

Saturday, 28 March 2026 12:00 (20 minutes)

Presenter: 梁, 泽锐 (河北师范大学)

Session Classification: 大会场 2

Contribution ID: 13

Type: **not specified**

北京谱仪 III 上粲介子半轻衰变中的轻强子研究

Saturday, 28 March 2026 14:00 (20 minutes)

Presenter: 张, 书磊 (湖南大学)

Session Classification: 大会场 3

Contribution ID: 14

Type: **not specified**

Recent highlight of LHCb

Presenter: 袁, 煦昊 (中科院高能物理所)

Session Classification: 大会场 3

Contribution ID: 15

Type: **not specified**

Ultimate Quantum Precision Limit at Colliders: Conditions and Case Studies

Saturday, 28 March 2026 14:40 (20 minutes)

Presenter: 刘, 佳 (北京大学)

Session Classification: 大会场 3

Contribution ID: 16

Type: **not specified**

中子 beta 衰变中的 gamma-W 交换贡献

Saturday, 28 March 2026 15:00 (20 minutes)

Presenter: 周, 海清 (东南大学)

Session Classification: 大会场 3

Contribution ID: 17

Type: **not specified**

Probing the Color-Octet Mechanism via Dihadron Fragmentation in χ_b Decays

Saturday, 28 March 2026 15:20 (20 minutes)

Presenter: 岩, 斌 (中科院高能物理所)

Session Classification: 大会场 3

Contribution ID: 18

Type: **not specified**

Fragmentation functions for production of Bc mesons

Saturday, 28 March 2026 15:40 (20 minutes)

Presenter: 郑, 绪昌 (重庆大学)

Session Classification: 大会场 3

Contribution ID: 19

Type: **not specified**

Spin-parity of all-charm tetraquarks in $J/\psi J/\psi$ mass spectrum at CMS

Saturday, 28 March 2026 16:20 (20 minutes)

Presenter: 张, 敬庆 (南京师范大学)

Session Classification: 大会场 4

Contribution ID: 20

Type: **not specified**

利用 QCD 求和规则研究隐粲五夸克态的质量谱

Saturday, 28 March 2026 16:40 (20 minutes)

Presenter: 王, 志刚 (华北电力大学 (保定))

Session Classification: 大会场 4

Contribution ID: 21

Type: **not specified**

Analytic Calculation for QCD Corrections to Hard Exclusive Processes

Saturday, 28 March 2026 17:00 (20 minutes)

Presenter: 陈, 龙斌 (广州大学)

Session Classification: 大会场 4

Contribution ID: 22

Type: **not specified**

轻标量介子部分子结构的能标敏感性研究

Saturday, 28 March 2026 17:20 (20 minutes)

Presenter: 程, 山 (湖南大学)

Session Classification: 大会场 4

Contribution ID: 23

Type: **not specified**

奇异夸克偶素的格点 QCD 研究

Saturday, 28 March 2026 17:40 (20 minutes)

Presenter: 桂, 龙成 (湖南师范大学)

Session Classification: 大会场 4

Contribution ID: 24

Type: **not specified**

Theoretical prediction of baryon CP violation

Saturday, 28 March 2026 18:00 (20 minutes)

Presenter: 韩, 佳杰 (兰州大学)

Session Classification: 大会场 4

Contribution ID: 25

Type: **not specified**

Recent progress of vector Charmonium-like States at BESIII

Sunday, 29 March 2026 08:30 (20 minutes)

Presenter: 李, 旭红 (中国科学技术大学)

Session Classification: 分会场 A-1

Contribution ID: 26

Type: **not specified**

Recent LHCb Results on Hadron Spectroscopy and Exotic States

Sunday, 29 March 2026 08:50 (20 minutes)

Presenter: 杜, 大佑 (清华大学)

Session Classification: 分会场 A-1

Contribution ID: 27

Type: **not specified**

Two nearby states in the X(3872) region: Resolving the radiative-decay ratio tension

Sunday, 29 March 2026 09:10 (20 minutes)

Presenter: NAKAMURA, Satoshi (山东大学)

Session Classification: 分会场 A-1

Contribution ID: 28

Type: **not specified**

The semi-leptonic decays $B \rightarrow D/D^*$ (1S,2S) $l \nu$

Sunday, 29 March 2026 09:30 (20 minutes)

Presenter: 张, 志清 (河南工业大学)

Session Classification: 分会场 A-1

Contribution ID: 29

Type: **not specified**

The production of $D\bar{D}$ and $D_s\bar{D}_s$ bound states in the B decay within the Bethe–Salpeter framework

Sunday, 29 March 2026 09:50 (20 minutes)

Presenter: 王, 振洋 (宁波大学)

Session Classification: 分会场 A-1

Contribution ID: 30

Type: **not specified**

Coupled-channel study of $D_0^*(2300)$

Sunday, 29 March 2026 10:10 (15 minutes)

Presenter: 燕, 浩波 (北京大学)

Session Classification: 分会场 A-1

Contribution ID: 31

Type: **not specified**

Recent results of semileptonic B decays at Belle II

Sunday, 29 March 2026 08:30 (20 minutes)

Presenter: 周, 启东 (山东大学)

Session Classification: 分会场 B-1

Contribution ID: 32

Type: **not specified**

Recent results of B decays at Belle II

Sunday, 29 March 2026 08:50 (20 minutes)

Presenter: 师, 晓东 (中科院高能物理所)

Session Classification: 分会场 B-1

Contribution ID: 33

Type: **not specified**

1.7-2.3 GeV 能区首次 $\pi(0)\eta$ 光生反应束流不对称性 测量

Sunday, 29 March 2026 09:10 (20 minutes)

Presenter: 何, 庆华 (南京航空航天大学)

Session Classification: 分会场 B-1

Contribution ID: 34

Type: **not specified**

Combinatorial geometry and Feynman integrals

Sunday, 29 March 2026 09:30 (20 minutes)

Presenter: 张, 海斌 (河北大学)

Session Classification: 分会场 B-1

Contribution ID: 35

Type: **not specified**

Dispersive analysis of the $J/\psi \rightarrow \pi^0 \gamma^*$ transition form factor

Sunday, 29 March 2026 09:50 (20 minutes)

Presenter: 曹, 雄辉 (中科院理论物理所)

Session Classification: 分会场 B-1

Contribution ID: 36

Type: **not specified**

Manipulating Bell nonlocality and entanglement in polarized electron-positron annihilation

Sunday, 29 March 2026 10:10 (15 minutes)

Presenter: 张, 宏伟 (河北大学 & 近物所)

Session Classification: 分会场 B-1

Contribution ID: 37

Type: **not specified**

近期 LHCb 实验上的 CP 破坏结果

Sunday, 29 March 2026 10:40 (20 minutes)

Presenter: 胡, 晓凡 (清华大学)

Session Classification: 分会场 A-2

Contribution ID: 38

Type: **not specified**

Assessing the validity of the Born-Oppenheimer approximation in potential models for doubly heavy hadrons

Sunday, 29 March 2026 11:20 (20 minutes)

Presenter: 满, 自龙 (兰州大学)

Session Classification: 分会场 A-2

Contribution ID: 39

Type: **not specified**

Unified coupled-channel description for the five near-threshold structures $\psi(3770)$, $G(3900)$, $R(3760)$, $R(3780)$ and $R(3810)$ from e^+e^- annihilation

Sunday, 29 March 2026 11:40 (20 minutes)

Presenter: 钱, 日庆 (兰州大学)

Session Classification: 分会场 A-2

Contribution ID: 40

Type: **not specified**

Observation of X(6900) and evidence of X(7100) in the $J/\psi\psi(2S) \rightarrow \mu^+\mu^-\mu^+\mu^-$ mass spectrum

Sunday, 29 March 2026 12:00 (15 minutes)

Presenter: 陈, 亮亮 (南京师范大学)

Session Classification: 分会场 A-2

Contribution ID: 41

Type: **not specified**

Observation of a family of all-charm tetraquarks in $J\psi J\psi$ channel at CMS

Sunday, 29 March 2026 12:15 (15 minutes)

Presenter: 陈, 雨菲 (南京师范大学)

Session Classification: 分会场 A-2

Contribution ID: 42

Type: **not specified**

BESIII 实验上粲重子近期进展

Sunday, 29 March 2026 10:40 (20 minutes)

Presenter: 秦, 佳佳 (南华大学)

Session Classification: 分会场 B-2

Contribution ID: 43

Type: **not specified**

Charm physics at Belle II

Sunday, 29 March 2026 11:00 (20 minutes)

Presenter: 李, 洋 (清华大学)

Session Classification: 分会场 B-2

Contribution ID: 44

Type: **not specified**

强子的形状因子抽取及其相对论性密度诠释研究

Sunday, 29 March 2026 11:20 (20 minutes)

Presenter: 陈, 毅 (清华大学)

Session Classification: 分会场 B-2

Contribution ID: 45

Type: **not specified**

A lattice study on quark-mass dependences of the $K^*(892)$ resonance in P-wave pion-kaon scatterings

Sunday, 29 March 2026 11:40 (20 minutes)

Presenter: 李, 衢智 (四川大学)

Session Classification: 分会场 B-2

Contribution ID: 46

Type: **not specified**

First observation of a negative-parity doubly charmed baryon on lattice

Sunday, 29 March 2026 12:00 (15 minutes)

Presenter: 义, 景宇 (湖南大学)

Session Classification: 分会场 B-2

Contribution ID: 47

Type: **not specified**

Hadronic enhancement in axion thermalization

Sunday, 29 March 2026 12:15 (15 minutes)

Presenter: 王, 金葆 (东南大学)

Session Classification: 分会场 B-2

Contribution ID: 48

Type: **not specified**

K_L p 散射研究 Σ^* 性质

Monday, 30 March 2026 08:30 (20 minutes)

Presenter: 郭, 丹(燕山大学)

Session Classification: 分会场 A-3

Contribution ID: 49

Type: **not specified**

Exploring the role of higher ω meson states in the $e^+e^- \rightarrow b_1(1235)\pi$ process

Monday, 30 March 2026 08:50 (20 minutes)

Presenter: 吴, 匡洋 (燕山大学)

Session Classification: 分会场 A-3

Contribution ID: 50

Type: **not specified**

Neutrinoless double beta decays of hyperons in covariant chiral perturbation theory

Monday, 30 March 2026 09:10 (15 minutes)

Presenter: 赵, 子赢 (湖南大学)

Session Classification: 分会场 A-3

Contribution ID: 51

Type: **not specified**

Production of high-spin ω_J / ρ_J ($J = 2, 3, 4, 5$) mesons in $\pi^- p$ reactions

Monday, 30 March 2026 09:25 (15 minutes)

Presenter: 李, 亭彦 (兰州大学)

Session Classification: 分会场 A-3

Contribution ID: 52

Type: **not specified**

改进的全息模型中缪子 $g-2$ 的强子贡献研究

Monday, 30 March 2026 09:40 (15 minutes)

Presenter: 申, 锦洋 (湖南大学)

Session Classification: 分会场 A-3

Contribution ID: 53

Type: **not specified**

The forward-backward asymmetry induced CP asymmetry in $B\bar{\rightarrow} K^- \pi^+ \pi^0$ in phase space around the resonances

Monday, 30 March 2026 09:55 (15 minutes)

Presenter: 杨, 健宇 (南华大学)

Session Classification: 分会场 A-3

Contribution ID: 54

Type: **not specified**

Hadronic Decays of Charm Hadrons at BESIII

Monday, 30 March 2026 08:30 (20 minutes)

Presenter: 关, 春懿 (中科院高能物理所)

Session Classification: 分会场 B-3

Contribution ID: 55

Type: **not specified**

Factorization formula connecting the heavy baryon LCDA in QCD and boosted HQET

Monday, 30 March 2026 08:50 (20 minutes)

Presenter: 施, 匡基 (华东理工大学)

Session Classification: 分会场 B-3

Contribution ID: 56

Type: **not specified**

Semileptonic decays $D_s \rightarrow \eta' l \nu$ from QCD Light-Cone Sum Rules

Monday, 30 March 2026 09:10 (15 minutes)

Presenter: 黄, 小恩 (湖南大学)

Session Classification: 分会场 B-3

Contribution ID: 57

Type: **not specified**

Multi-channel joint analysis of the exotic charmonium-like state $T_{cc}^-(4020)$

Monday, 30 March 2026 09:25 (15 minutes)

Presenter: 许, 昭[☒] (中国科学院大学)

Session Classification: 分会场 B-3

Contribution ID: 58

Type: **not specified**

Prospects for observing the missing 2D and 1F charmonium states around 4 GeV

Monday, 30 March 2026 09:40 (15 minutes)

Presenter: 刘, 成郗 (兰州大学)

Session Classification: 分会场 B-3

Contribution ID: 59

Type: **not specified**

Systematic analysis of the form factors of Bc to P (D)-wave charmonia and corresponding weak decays

Monday, 30 March 2026 09:55 (15 minutes)

Presenter: 卢, 杰 (东南大学)

Session Classification: 分会场 B-3

Contribution ID: 60

Type: **not specified**

核子及其共振态电磁形状因子的夸克 + 双夸克描述

Monday, 30 March 2026 10:30 (20 minutes)

Presenter: 程, 鹏 (安徽师范大学)

Session Classification: 分会场 A-4

Contribution ID: 61

Type: **not specified**

Threshold effects as the origin of $\Upsilon(4500)$ observed in $e^+e^- \rightarrow J/\psi K^+K^-$

Monday, 30 March 2026 10:50 (15 minutes)

Presenter: 王, 晓云 (天津大学)

Session Classification: 分会场 A-4

Contribution ID: 62

Type: **not specified**

Triply heavy baryon spectroscopy revisited

Monday, 30 March 2026 11:05 (15 minutes)

Presenter: 周, 豪 (兰州大学)

Session Classification: 分会场 A-4

Contribution ID: 63

Type: **not specified**

Search for the low-lying excited baryon $\Sigma(1/2^-)$ through process $\Lambda_c^+ \rightarrow \Lambda K^0 \pi^+$

Monday, 30 March 2026 11:20 (15 minutes)

Presenter: 张, 胜超 (郑州大学)

Session Classification: 分会场 A-4

Contribution ID: 64

Type: **not specified**

应用味道选择器鉴别双极点结构

Presenter: 和, 颖波 (天津大学)

Session Classification: 分会场 A-4

Contribution ID: 65

Type: **not specified**

Revising the Mass of Light Hybrid Mesons: NLO QCD Sum Rules Point to $\chi(2170)$ as a Prime Candidate

Monday, 30 March 2026 10:30 (20 minutes)

Presenter: 黄, 卓然 (吉首大学)

Session Classification: 分会场 B-4

Contribution ID: 66

Type: **not specified**

Radiative decay of heavy-light mesons from lattice QCD

Monday, 30 March 2026 10:50 (15 minutes)

Presenter: 侯, 文正 (华南师范大学)

Session Classification: 分会场 B-4

Contribution ID: 67

Type: **not specified**

Electromagnetic properties of possible triple-charm molecular hexaquarks

Monday, 30 March 2026 11:05 (15 minutes)

Presenter: 张, 晨轲 (兰州大学)

Session Classification: 分会场 B-4

Contribution ID: 68

Type: **not specified**

Discovery potential of charmonium 2P states through the $e^+e^- \rightarrow \gamma D\bar{D}$ processes

Monday, 30 March 2026 11:20 (15 minutes)

Presenter: 高, 天乐 (兰州大学)

Session Classification: 分会场 B-4

Contribution ID: 70

Type: **not specified**

LHCb 实验上底介子含重子末态衰变的研究

Presenter: 俞, 洁晟 (湖南大学)

Session Classification: 大会场 5

Contribution ID: 71

Type: **not specified**

对粲偶素衰变中强-电磁干涉的研究

Monday, 30 March 2026 14:20 (20 minutes)

Presenter: 王, 雅迪 (华北电力大学)

Session Classification: 大会场 5

Contribution ID: 72

Type: **not specified**

Two-body strong decay properties for possible single charm molecular pentaquarks with strangeness $|S|=1,2$

Monday, 30 March 2026 14:40 (20 minutes)

Presenter: 陈, 锐 (湖南师范大学)

Session Classification: 大会场 5

Contribution ID: 73

Type: **not specified**

CP asymmetries in charmed baryon decays into neutral kaons

Monday, 30 March 2026 15:00 (20 minutes)

Presenter: 王, 迪 (湖南师范大学)

Session Classification: 大会场 5

Contribution ID: 74

Type: **not specified**

Investigation of the $D_0 \rightarrow K_S^0 \pi^0 \pi^0$ decay

Presenter: 肖, 楮文 (广西师范大学)

Session Classification: 大会场 5

Contribution ID: 75

Type: **not specified**

S 波 K 介子与 T 双重态 (反) 粲介子形成的粲-奇异分子 态类型四夸克态

Monday, 30 March 2026 15:40 (20 minutes)

Presenter: 王, 福来 (兰州大学)

Session Classification: 大会场 5

Contribution ID: 76

Type: **not specified**

Light hadron spectroscopy at BESIII

Monday, 30 March 2026 16:20 (20 minutes)

Presenter: 张, 亚腾 (郑州大学)

Session Classification: 大会场 6

Contribution ID: 77

Type: **not specified**

分波 CP 破坏的归一化问题

Monday, 30 March 2026 16:40 (20 minutes)

Presenter: 张, 振华 (南华大学)

Session Classification: 大会场 6

Contribution ID: 78

Type: **not specified**

B meson LCDA and power corrections

Monday, 30 March 2026 17:00 (20 minutes)

Presenter: 魏, 焰冰 (华中师范大学)

Session Classification: 大会场 6

Contribution ID: 79

Type: **not specified**

Searching for apparent baryon number violation in Lambda_c+ decays at the Super Tau-Charm Facility

Monday, 30 March 2026 17:20 (20 minutes)

Presenter: 王, 泽人 (合肥工业大学)

Session Classification: 大会场 6

Contribution ID: **80**

Type: **not specified**

1-+ Hybrid States in Light Meson Sector

Monday, 30 March 2026 17:40 (20 minutes)

Presenter: 王, 利明 (燕山大学)

Session Classification: 大会场 6

Contribution ID: **81**

Type: **not specified**

会议总结与展望

Monday, 30 March 2026 18:00 (20 minutes)

Presenter: 于, 福升 (兰州大学)

Session Classification: 大会场 6

Contribution ID: **82**

Type: **not specified**

Recent highlight of LHCb

Saturday, 28 March 2026 09:20 (20 minutes)

Presenter: 袁, 煦昊 (中科院高能物理所)

Session Classification: 大会场 1

Contribution ID: 83

Type: **not specified**

Highlights of Recent LHCb Rare Decay Results

Presenter: 孙,亮 (武汉大学)

Session Classification: 大会场 1

Contribution ID: 84

Type: **not specified**

LHCb 实验上底介子含重子末态衰变的研究

Saturday, 28 March 2026 14:20 (20 minutes)

Presenter: 俞, 洁晟 (湖南大学)

Session Classification: 大会场 3

Contribution ID: 85

Type: **not specified**

Investigation of the $D_0 \rightarrow K_S^0 \pi^0 \pi^0$ decay

Sunday, 29 March 2026 11:00 (20 minutes)

Presenter: 肖, 楮文 (广西师范大学)

Session Classification: 分会场 A-2

Contribution ID: 86

Type: **not specified**

Production mechanisms of isoscalar pseudotensor mesons in pion and kaon induced reactions

Monday, 30 March 2026 11:35 (15 minutes)

Presenter: 卢, 东恩 (燕山大学)

Session Classification: 分会场 A-4

Contribution ID: 87

Type: **not specified**

应用味道选择器鉴别双极点结构

Monday, 30 March 2026 11:35 (15 minutes)

Presenter: 和, 颖波 (天津大学)

Session Classification: 分会场 B-4

Contribution ID: 88

Type: **not specified**

Spectroscopy of fully-heavy hexaquark states within QCD sum rules

Monday, 30 March 2026 11:50 (15 minutes)

Presenter: 陈, 绪梁 (中山大学)

Session Classification: 分会场 B-4

Contribution ID: 89

Type: **not specified**

Highlights of Recent LHCb Rare Decay Results

Monday, 30 March 2026 14:00 (20 minutes)

Presenter: 孙, 亮 (武汉大学)

Session Classification: 大会场 5

Contribution ID: 90

Type: **not specified**

重味夸克半轻衰变结构函数的 N3LO 微扰 QCD 修正

Monday, 30 March 2026 15:20 (20 minutes)

Presenter: 陈, 龙 (山东大学)

Session Classification: 大会场 5