

第八届强子谱和强子结构研讨会

Report of Contributions

Contribution ID: 40

Type: **not specified**

会议注册

Contribution ID: 41

Type: **not specified**

晚餐：桂林宾馆一楼中餐厅

Friday, 11 July 2025 18:00 (2h 30m)

Contribution ID: 42

Type: **not specified**

开幕式：广西师范大学校领导致欢迎词

Saturday, 12 July 2025 08:30 (20 minutes)

Session Classification: Session 1

Contribution ID: 43

Type: **not specified**

合影

Saturday, 12 July 2025 08:50 (10 minutes)

Session Classification: Session 1

Contribution ID: 44

Type: **not specified**

Discovery of a Glueball-like Particle X(2370)

Saturday, 12 July 2025 09:00 (30 minutes)

Presenter: Prof. 金山 (南京大学)

Session Classification: Session 1

Contribution ID: 45

Type: **not specified**

Spectroscopy of Strange and non-Strange Light Mesons @ LHCb

Saturday, 12 July 2025 09:30 (30 minutes)

Presenter: Prof. 张黎明 (清华大学)

Session Classification: Session 1

Contribution ID: 46

Type: **not specified**

拥抱高精度强子谱学时代

Saturday, 12 July 2025 10:30 (30 minutes)

Presenter: Prof. 刘翔 (兰州大学)

Session Classification: Session 2

Contribution ID: 47

Type: **not specified**

Heavy meson FCNC study results from CMS

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

Presenter: Prof. 王大勇 (北京大学)

Session Classification: Session 2

Contribution ID: 48

Type: **not specified**

关于 CMS 奇特强子研究

Saturday, 12 July 2025 11:30 (30 minutes)

Presenter: Prof. 易凯 (南京师范大学)

Session Classification: Session 2

Contribution ID: 49

Type: **not specified**

机器学习在强子物理中的应用

Saturday, 12 July 2025 14:00 (30 minutes)

Presenter: Prof. 王倩 (华南师范大学)

Session Classification: Section 3

Contribution ID: 50

Type: **not specified**

Dispersive Determination of Pion and Nucleon Gravitational Form Factors

Saturday, 12 July 2025 14:30 (30 minutes)

Presenter: Prof. 姚德良 (湖南大学)

Session Classification: Section 3

Contribution ID: 51

Type: **not specified**

重介子谱及混合现象

Saturday, 12 July 2025 15:00 (30 minutes)

Presenter: Prof. 王国利 (河北大学)

Session Classification: Section 3

Contribution ID: 52

Type: **not specified**

利用 QCD 求和规则研究五夸克态

Saturday, 12 July 2025 16:00 (30 minutes)

Presenter: Prof. 王志刚 (华北电力大学)

Session Classification: Section 4

Contribution ID: 53

Type: **not specified**

Production, Decay and CP violation of baryon-antibaryon pairs

Saturday, 12 July 2025 16:30 (30 minutes)

Presenter: Prof. 曹须 (近代物理研究所)

Session Classification: Section 4

Contribution ID: 54

Type: **not specified**

核子-超子相互作用的格点 QCD 研究

Saturday, 12 July 2025 17:00 (30 minutes)

Presenter: Dr 刘航 (上海师范大学)

Session Classification: Section 4

Contribution ID: 55

Type: **not specified**

The Study of Pole Trajectory within a bare state in the coupled channel model

Monday, 14 July 2025 15:30 (30 minutes)

Presenter: Dr 郝伟 (南开大学)

Session Classification: Section 5

Contribution ID: 56

Type: **not specified**

轻赭标介子的形状因子及其精细结构研究

Sunday, 13 July 2025 08:30 (25 minutes)

Presenter: Prof. 程山 (湖南大学)

Session Classification: Section P1-1

Contribution ID: 57

Type: **not specified**

超子弱衰变的理论研究

Sunday, 13 July 2025 08:55 (25 minutes)

Presenter: Dr 史瑞祥 (广西师范大学)

Session Classification: Section P1-1

Contribution ID: 58

Type: **not specified**

Electromagnetic form factors of Ω^-

Sunday, 13 July 2025 09:20 (20 minutes)

Presenter: Mr 付东彦 (近代物理研究所)

Session Classification: Section P1-1

Contribution ID: 59

Type: **not specified**

Machine Learning Unveils the Power Law of Finite-Volume Energy Shifts

Sunday, 13 July 2025 09:40 (20 minutes)

Presenter: Mr 张振宇 (华南师范大学)

Session Classification: Section P1-1

Contribution ID: 60

Type: **not specified**

新强子态 X(1880) 的发现

Sunday, 13 July 2025 10:30 (25 minutes)

Presenter: Dr 秦丽清 (广西师范大学)

Session Classification: Section P1-2

Contribution ID: 61

Type: **not specified**

$e^+e^-\rightarrow\phi\pi^+\pi^-$ 过程中 $\omega(2170)$ 的三角奇异性解释

Sunday, 13 July 2025 10:55 (20 minutes)

Presenter: Dr 魏祥 (近代物理研究所)

Session Classification: Section P1-2

Contribution ID: 62

Type: **not specified**

Open-heavy flavor tetraquark states in a mass splitting model

Sunday, 13 July 2025 11:15 (20 minutes)

Presenter: Mr 满自龙 (兰州大学)

Session Classification: Section P1-2

Contribution ID: 63

Type: **not specified**

Neutrinoless double beta decay of hyperons in covariant chiral perturbation theory

Sunday, 13 July 2025 11:35 (20 minutes)

Presenter: Mr 赵子赢 (湖南大学)

Session Classification: Section P1-2

Contribution ID: 64

Type: **not specified**

会议总结

Monday, 14 July 2025 18:15 (20 minutes)

Presenter: Prof. 耿立升 (北京航空航天大学)

Contribution ID: 65

Type: **not specified**

重味介子结构的格点 QCD 研究

Sunday, 13 July 2025 08:30 (25 minutes)

Presenter: Dr 张其安 (北京航空航天大学)

Session Classification: Section P2-1

Contribution ID: 66

Type: **not specified**

Light cone structure of light meson and light baryon on Lattice QCD

Sunday, 13 July 2025 08:55 (25 minutes)

Presenter: Dr 华俊 (华南师范大学)

Session Classification: Section P2-1

Contribution ID: 67

Type: **not specified**

Form factors in semileptonic decay $D_s \rightarrow \phi \ell \nu$ from lattice QCD

Sunday, 13 July 2025 09:20 (20 minutes)

Presenter: Mr 樊高峰, (南京大学)

Session Classification: Section P2-1

Contribution ID: 68

Type: **not specified**

A possible tetraquark state explanation for K(1690) and discussions on IR safety in QCD Sum Rules

Sunday, 13 July 2025 09:40 (20 minutes)

Presenter: Mr 张锦鹏 (中山大学)

Session Classification: Section P2-1

Contribution ID: 69

Type: **not specified**

Dispersive analysis of $J/\psi \rightarrow e^+e^- \pi^0$

Sunday, 13 July 2025 10:30 (25 minutes)

Presenter: Dr 曹雄辉 (理论物理研究所)

Session Classification: Section P2-2

Contribution ID: 70

Type: **not specified**

Radiative Decay of the $Ds_0(2317)$: 3P0 Model and Molecular Contributions

Sunday, 13 July 2025 10:55 (20 minutes)

Presenter: Dr GUERRERO NAVARRO, Gustavo Hazel (Gustavo Hazel Guerrero Navarro (电子科技大学))

Session Classification: Section P2-2

Contribution ID: 71

Type: **not specified**

Investigation of the three-body decay for D^+_s and D^0

Sunday, 13 July 2025 11:15 (20 minutes)

Presenter: Ms 梁唯 (中南大学)

Session Classification: Section P2-2

Contribution ID: 72

Type: **not specified**

Emergence of charm-strange dibaryons with negative parity via the heavy and light baryons interactions

Sunday, 13 July 2025 11:35 (20 minutes)

Presenter: Ms 崔雨月 (湖南师范大学)

Session Classification: Section P2-2

Contribution ID: 73

Type: **not specified**

Spin-parity of the tetraquark candidates in $J/\psi/J\psi$ mass spectrum at CMS

Sunday, 13 July 2025 08:30 (25 minutes)

Presenter: Dr 张敬庆 (南京师范大学)

Session Classification: Section P3-1

Contribution ID: 74

Type: **not specified**

Beam asymmetries of Λ^0 photoproduction off protons

Sunday, 13 July 2025 08:55 (25 minutes)

Presenter: Dr 何庆华 (南京航空航天大学)

Session Classification: Section P3-1

Contribution ID: 75

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, 13 July 2025 09:20 (20 minutes)

Presenter: Mr 顾进京 (清华大学)

Session Classification: Section P3-1

Contribution ID: 76

Type: **not specified**

基于 CMS Run 3 数据对 $\Lambda/\Lambda\bar{\Lambda}$ 结构的最新研究进展

Sunday, 13 July 2025 09:40 (20 minutes)

Presenter: Mr 周漪林 (复旦大学)

Session Classification: Section P3-1

Contribution ID: 77

Type: **not specified**

Self-consistent analysis for the $\eta c \rightarrow \gamma\gamma$ process

Presenter: Prof. 王声权 (贵州民族大学)

Session Classification: Section P3-2

Contribution ID: 78

Type: **not specified**

Relativistic electromagnetic structure of a moving spin-1/2 hadron

Sunday, 13 July 2025 10:55 (20 minutes)

Presenter: Mr 陈毅 (中国科学技术大学)

Session Classification: Section P3-2

Contribution ID: 79

Type: **not specified**

Understanding two puzzling phenomena under the unquenched charmonium spectroscopy

Sunday, 13 July 2025 11:15 (20 minutes)

Presenter: Mr 彭天才 (兰州大学)

Session Classification: Section P3-2

Contribution ID: **80**

Type: **not specified**

$\Lambda_c^+ \rightarrow \eta \pi^+ \Lambda$ **reaction and the $\Lambda a_0^+(980)$ and $\pi^+ \Lambda(1670)$ contributions**

Sunday, 13 July 2025 11:35 (20 minutes)

Presenter: Mr 吕文韬 (郑州大学)

Session Classification: Section P3-2

Contribution ID: 81

Type: **not specified**

Production of doubly and fully charmed tetraquarks based on NRQCD factorization

Monday, 14 July 2025 08:30 (25 minutes)

Presenter: Dr 牛娟娟 (广西师范大学)

Session Classification: Section P4-1

Contribution ID: 82

Type: **not specified**

Nonrelativistic QCD as a novel probe to fully-heavy exotic hadrons

Monday, 14 July 2025 08:55 (25 minutes)

Presenter: Prof. 张鸿飞 (贵州财经大学)

Session Classification: Section P4-1

Contribution ID: 83

Type: **not specified**

在 $\Lambda_c^+ \rightarrow \pi^+ \eta$ 衰变过程中研究 $N(1535)$ 和 $a_0(980)$ 的性质

Monday, 14 July 2025 09:20 (20 minutes)

Presenter: Mr 李孟源 (郑州大学)

Session Classification: Section P4-1

Contribution ID: 84

Type: **not specified**

Semileptonic decay of double strangeness heavy flavor baryons

Monday, 14 July 2025 09:40 (20 minutes)

Presenter: Dr 段慧慧 (河南师范大学)

Session Classification: Section P4-1

Contribution ID: 85

Type: **not specified**

Bridging B-meson shape functions in QCD and HQET

Monday, 14 July 2025 10:30 (25 minutes)

Presenter: Dr 赵帅 (天津大学)

Session Classification: Section P4-2

Contribution ID: 86

Type: **not specified**

Possible bound states in the triple- ηc and triple- J/ψ systems

Monday, 14 July 2025 10:55 (20 minutes)

Presenter: Mr 陈绪梁 (中山大学)

Session Classification: Section P4-2

Contribution ID: 87

Type: **not specified**

Study of tetraquark states with $J^{PC} = 3^{-+}$ through QCD sum rules

Monday, 14 July 2025 11:15 (20 minutes)

Presenter: Mr 席洪洲 (东南大学)

Session Classification: Section P4-2

Contribution ID: 88

Type: **not specified**

$D^{(*)}\bar{B}^{(*)}$ Dynamics in Chiral Effective Field Theory

Monday, 14 July 2025 11:35 (20 minutes)

Presenter: Mr 刘国 (兰州大学)

Session Classification: Section P4-2

Contribution ID: 89

Type: **not specified**

The Spectrum of $bc\bar{b}\bar{c}$ tetraquark state

Monday, 14 July 2025 08:30 (25 minutes)

Presenter: Dr 王振洋 (宁波大学)

Session Classification: Section P5-1

Contribution ID: 90

Type: **not specified**

激发态单重味重子谱学和衰变的研究

Monday, 14 July 2025 08:55 (25 minutes)

Presenter: Dr 罗肆强 (兰州大学)

Session Classification: Section P5-1

Contribution ID: 91

Type: **not specified**

Two-pseudoscalar-meson decay of resonances dynamically generated by two vector mesons

Monday, 14 July 2025 09:20 (20 minutes)

Presenter: Mr 沈清华 (近代物理研究所)

Session Classification: Section P5-1

Contribution ID: 92

Type: **not specified**

在粲重子衰变过程中研究 $J^P=1/2^-$ -重子激发态的性质

Monday, 14 July 2025 09:40 (20 minutes)

Presenter: Ms 李莹 (郑州大学)

Session Classification: Section P5-1

Contribution ID: 93

Type: **not specified**

Rethinking the $N\phi$ scattering length with an unphysical kaon mass in one-loop correction

Monday, 14 July 2025 10:30 (25 minutes)

Presenter: Dr 严茂俊 (西南大学)

Session Classification: Section P5-2

Contribution ID: 94

Type: **not specified**

Relativistic wave function of three-body system with Yukawa interaction in light-front dynamics

Monday, 14 July 2025 10:55 (20 minutes)

Presenter: Mr 朱智敏 (近代物理研究所)

Session Classification: Section P5-2

Contribution ID: 95

Type: **not specified**

$\Lambda_c(2910)$ and $\Lambda_c(2940)$ productions in πp scattering process

Monday, 14 July 2025 11:15 (20 minutes)

Presenter: Mr 郭泉运 (东南大学)

Session Classification: Section P5-2

Contribution ID: 96

Type: **not specified**

On the quantum numbers of the X(1880)

Monday, 14 July 2025 11:35 (20 minutes)

Presenter: Mr 石家丽 (湖南大学)

Session Classification: Section P5-2

Contribution ID: 97

Type: **not specified**

On the three-body state $K^*D^*K^*$

Monday, 14 July 2025 11:55 (20 minutes)

Presenter: Mr 贾文浩 (广西师范大学)

Session Classification: Section P5-2

Contribution ID: 98

Type: **not specified**

Hydrogenlike molecules composed of D_1D_1 , $D_1D_2^*$ and $D_2^*D_2^*$

Monday, 14 July 2025 08:30 (25 minutes)

Presenter: Dr 邓成荣 (西南大学)

Session Classification: Section P6-1

Contribution ID: 99

Type: **not specified**

粲重子的强子弱衰变研究

Monday, 14 July 2025 08:55 (25 minutes)

Presenter: Dr 牛鹏宇 (华南师范大学)

Session Classification: Section P6-1

Contribution ID: **100**

Type: **not specified**

粲奇异奇特强子态及其伙伴态的衰变性质研究

Monday, 14 July 2025 09:20 (20 minutes)

Presenter: Mr 付海龙 (理论物理研究所)

Session Classification: Section P6-1

Contribution ID: **101**

Type: **not specified**

双粲五夸克态中的库仑势与同位旋破缺

Monday, 14 July 2025 09:40 (20 minutes)

Presenter: Mr 陈飞宇 (中山大学)

Session Classification: Section P6-1

Contribution ID: **102**

Type: **not specified**

含双奇异夸克的分子态类型四夸克态

Monday, 14 July 2025 10:30 (25 minutes)

Presenter: Dr 王福来 (兰州大学)

Session Classification: Section P6-2

Contribution ID: **103**

Type: **not specified**

Unravel the nature of the $\Sigma(1430)(1/2^-)$ state from correlation functions

Monday, 14 July 2025 10:55 (20 minutes)

Presenter: Dr 李海鹏 (广西师范大学)

Session Classification: Section P6-2

Contribution ID: **104**

Type: **not specified**

Z_{cs} production in the B^+ decays processes

Monday, 14 July 2025 11:15 (20 minutes)

Presenter: Mr 余卓 (东南大学)

Session Classification: Section P6-2

Contribution ID: **105**

Type: **not specified**

The resonance parameters of the vector charmonium-like state $G(3900)$

Monday, 14 July 2025 11:35 (20 minutes)

Presenter: Mr 叶全兴 (华南师范大学)

Session Classification: Section P6-2

Contribution ID: **106**

Type: **not specified**

淬火和非淬火图像下单重味重子谱学和衰变性质的研究

Monday, 14 July 2025 11:55 (20 minutes)

Presenter: Mr 张紫乐 (兰州大学)

Session Classification: Section P6-2

Contribution ID: **107**

Type: **not specified**

Isospin-violating decays via intermediate hadron loops

Monday, 14 July 2025 14:00 (30 minutes)

Presenter: Prof. 赵强 (高能物理研究所)

Session Classification: Section 5

Contribution ID: **108**

Type: **not specified**

惠州强子谱仪 HHaS

Monday, 14 July 2025 14:30 (30 minutes)

Presenter: Prof. 仇浩 (近代物理研究所)

Session Classification: Section 5

Contribution ID: **109**

Type: **not specified**

Mixing Effect Between Molecular and Diquark-Antidiquark States in Tetraquarks

Monday, 14 July 2025 15:00 (30 minutes)

Presenter: Prof. 孙志峰 (兰州大学)

Session Classification: Section 5

Contribution ID: 110

Type: **not specified**

Theoretical study on the recently observed $\chi_{c0}(3595)$ state

Monday, 14 July 2025 16:15 (30 minutes)

Presenter: Prof. 杨智 (电子科技大学)

Session Classification: Section 6

Contribution ID: 111

Type: **not specified**

Exploring the π meson emission properties between possible Pc/Pcs molecules

Monday, 14 July 2025 16:45 (30 minutes)

Presenter: Prof. 陈锐 (湖南师范大学)

Session Classification: Section 6

Contribution ID: 112

Type: **not specified**

Probing DK interaction in B decays and heavy-ion collisions

Monday, 14 July 2025 17:15 (30 minutes)

Presenter: Dr 刘明珠 (兰州大学)

Session Classification: Section 6

Contribution ID: 113

Type: **not specified**

Existence of 0^- – $D\bar{s}$ DK molecule on nature of $D_{s0}^*(2317)$

Monday, 14 July 2025 17:45 (30 minutes)

Presenter: Dr 吴天伟 (中山大学)

Session Classification: Section 6

Contribution ID: **114**

Type: **not specified**

Self-consistent analysis for the $\eta c \rightarrow \gamma\gamma$ process

Sunday, 13 July 2025 10:30 (25 minutes)

Presenter: Prof. 王声权 (贵州民族大学)

Session Classification: Section P3-2