

# 第九届 XYZ 研讨会

## Report of Contributions

Contribution ID: 1

Type: **not specified**

## 注册 (Registration)

*Sunday, 26 May 2024 14:30 (6 hours)*

注册地点: 曲江会惠宾苑大堂

Contribution ID: 2

Type: **not specified**

## 学校领导致辞

*Monday, 27 May 2024 08:20 (10 minutes)*

Contribution ID: 3

Type: **not specified**

## Opening remark

*Monday, 27 May 2024 08:30 (10 minutes)*

Contribution ID: 4

Type: **not specified**

## Photo

*Monday, 27 May 2024 08:40 (20 minutes)*

Contribution ID: 5

Type: **not specified**

## Overview of BES III

*Monday, 27 May 2024 09:00 (30 minutes)*

**Presenter:** LIU, Zhiqing (Shandong University)

**Session Classification:** Chair: 赵光达

Contribution ID: 6

Type: **not specified**

## 待定 (传统的相对论化的非相对论夸克模型角度探讨高 激发态矢量粲偶素)

*Monday, 27 May 2024 09:30 (30 minutes)*

**Presenter:** 刘, 翔 (兰州大学)

**Session Classification:** Chair: 赵光达

Contribution ID: 7

Type: **not specified**

## 晚餐 (Dinner)

*Sunday, 26 May 2024 18:00 (2h 30m)*

曲江会惠宾苑一楼自助餐区



Contribution ID: 8

Type: **not specified**

## **New structures in the $J/\psi J/\psi$ mass spectrum and status of $J/\psi \psi(2S)$ at CMS**

*Monday, 27 May 2024 10:30 (30 minutes)*

**Presenter:** YI, Kai (Nanjing Normal University)

**Session Classification:** Chair: 苑长征

Contribution ID: 9

Type: **not specified**

## Overview of Belle II

*Monday, 27 May 2024 11:00 (30 minutes)*

**Presenter:** YIN, Junhao (高能所)

**Session Classification:** Chair: 苑长征

Contribution ID: 10

Type: **not specified**

## **Global coupled-channel analysis of $e^+e^- \rightarrow c\bar{c}$ processes in $\sqrt{s} = 3.75 - 4.7$ GeV**

*Monday, 27 May 2024 11:30 (30 minutes)*

**Presenter:** NAKAMURA, Satoshi (University of Science and Technology of China)

**Session Classification:** Chair: 苑长征

Contribution ID: 11

Type: **not specified**

## **light QCD exotics at BESIII**

*Monday, 27 May 2024 14:00 (30 minutes)*

**Presenter:** LIU, Beijiang (高能所)

**Session Classification:** Chair: 朱世琳

Contribution ID: 12

Type: **not specified**

## **Selected topics of light-flavor hadron phenomenology in resonance chiral theory**

*Monday, 27 May 2024 14:30 (30 minutes)*

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

**Session Classification:** Chair: 朱世琳

Contribution ID: 13

Type: **not specified**

## **Pentaquark search and other XYZ at CMS**

*Monday, 27 May 2024 15:00 (30 minutes)*

**Presenter:** ZHANG, Jingqing (Nanjing Normal University)

**Session Classification:** Chair: 朱世琳

Contribution ID: 14

Type: **not specified**

## 格点 QCD 研究 $Z_{cs}$ 与 $P_c$

*Monday, 27 May 2024 15:30 (30 minutes)*

**Presenter:** LIU, Liuming (Institute of Modern Physics, CAS)

**Session Classification:** Chair: 朱世琳

Contribution ID: 15

Type: **not specified**

## **The study of XYZ with charmonium final states at BES III**

*Wednesday, 29 May 2024 10:30 (30 minutes)*

**Presenter:** ZHANG, Jielei (Henan University)

**Session Classification:** Chair: 马伯强



Contribution ID: 16

Type: **not specified**

## The study of X(3872) at BES III

*Monday, 27 May 2024 17:00 (30 minutes)*

**Presenter:** LI, Chunhua (Liaoning Normal University)

**Session Classification:** Chair: 沈成平

Contribution ID: 17

Type: **not specified**

## **B meson LCDA**

*Monday, 27 May 2024 17:30 (30 minutes)*

**Presenter:** WANG, Wei (Shanghai JiaoTong University)

**Session Classification:** Chair: 沈成平

Contribution ID: 18

Type: **not specified**

## **The study the cross sections of open charm meson pairs at BES III**

*Monday, 27 May 2024 18:00 (30 minutes)*

**Presenter:** SONG, weimin (Jilin University)

**Session Classification:** Chair: 沈成平

Contribution ID: 19

Type: **not specified**

## **Identifying X(3872) molecular state or the tetraquark state in pp collisions with PACIAE 3.0**

*Tuesday, 28 May 2024 08:30 (20 minutes)*

**Presenter:** SHE, Zhilei (China University of Geosciences)

**Session Classification:** Chair: 贾森

Contribution ID: 20

Type: **not specified**

## The new state Y(3872) as the P-wave $\bar{D}D^*$ resonance

*Tuesday, 28 May 2024 08:50 (20 minutes)*

**Presenter:** 林, 子阳

**Session Classification:** Chair: 贾森

Contribution ID: 21

Type: **not specified**

## **Probing the pole structure of X(3872) within the coupled-channel dynamics**

*Tuesday, 28 May 2024 09:10 (20 minutes)*

**Presenter:** 王, 俊璋 (Lanzhou University)

**Session Classification:** Chair: 贾森

Contribution ID: 22

Type: **not specified**

## **Photoproduction of X(3872) in the near-threshold region**

*Tuesday, 28 May 2024 09:30 (20 minutes)*

**Presenter:** CAO, Xiong-Hui (Peking University)

**Session Classification:** Chair: 贾森

Contribution ID: 23

Type: **not specified**

## **A coupled-channel analysis of the X(3872) lineshape at BESIII**

*Tuesday, 28 May 2024 10:20 (30 minutes)*

**Presenter:** MA, Junli

**Session Classification:** Chair: 刘智青



Contribution ID: 24

Type: **not specified**

## The nature of X(3872) in B meson decays

*Tuesday, 28 May 2024 10:50 (20 minutes)*

**Presenter:** 王, 镐楠 (华南师范大学)

**Session Classification:** Chair: 刘智青

Contribution ID: 25

Type: **not specified**

## **Electromagnetic properties and hadron structures**

*Tuesday, 28 May 2024 11:10 (20 minutes)*

**Presenter:** LIU 刘, Zhan-Wei 占伟 (Lanzhou University)

**Session Classification:** Chair: 刘智青

Contribution ID: 26

Type: **not specified**

## Pentaquark studies at LHCb

*Tuesday, 28 May 2024 11:30 (20 minutes)*

**Presenter:** REN, Zan (UCAS)

**Session Classification:** Chair: 刘智青

Contribution ID: 27

Type: **not specified**

## **Search for a penta-quark state in $pJ/\psi$ final state from the $\Upsilon(1,2S)$ inclusive decays at Belle**

*Tuesday, 28 May 2024 14:00 (20 minutes)*

**Presenter:** 董, 旭 (复旦大学现代物理研究所)

**Session Classification:** Chair: 张黎明

Contribution ID: 28

Type: **not specified**

## **SU(3) breaking effect in the $Z_c$ and $Z_{cs}$ states**

*Tuesday, 28 May 2024 14:20 (20 minutes)*

**Presenter:** 陈, 侃 (西北大学)

**Session Classification:** Chair: 张黎明

Contribution ID: 29

Type: **not specified**

## Decays of the heavy-quark-spin molecular partner of $T_{cc}^*$

*Tuesday, 28 May 2024 14:40 (20 minutes)*

**Presenter:** 贾, 召赛 (N)

**Session Classification:** Chair: 张黎明

Contribution ID: 30

Type: **not specified**

## **isospin violation effect and three-body decay of the $T_{cc}^+$ state**

*Tuesday, 28 May 2024 15:00 (20 minutes)*

**Presenter:** SUN, zhifeng (school of physics science and technology, Lanzhou University)

**Session Classification:** Chair: 张黎明

Contribution ID: 31

Type: **not specified**

## **E1 radiative transition of charmonium on the light front**

*Tuesday, 28 May 2024 09:10 (20 minutes)*

**Presenter:** Mr ZHIGUO, Wang

**Session Classification:** Chair: 陈华星



Contribution ID: 32

Type: **not specified**

## **Precise determination of the pole position of the exotic $Z_c(3900)$**

**Presenter:** CHEN, Yun-Hua (University of Science and Technology Beijing)

**Session Classification:** Chair: 张黎明

Contribution ID: 33

Type: **not specified**

## **Observation of four new charmonium(-like) states in B $\rightarrow$ DDK decays**

*Tuesday, 28 May 2024 14:00 (20 minutes)*

**Presenter:** 艺, 蒋 (University of Chinese Academy of Sciences)

**Session Classification:** Chair: 刘北江

Contribution ID: 34

Type: **not specified**

## Productions of XYZ states in B decay

*Tuesday, 28 May 2024 14:20 (20 minutes)*

**Presenter:** 刘,明珠 (兰州大学)

**Session Classification:** Chair: 刘北江

Contribution ID: 35

Type: **not specified**

## J/ $\psi$ N 散射长度的计算

*Tuesday, 28 May 2024 14:40 (20 minutes)*

**Presenter:** 吴, 兵

**Session Classification:** Chair: 刘北江

Contribution ID: 36

Type: **not specified**

## **Investigation of Omega\_c^0 states in pp collisions at the LHC energy with the PACIAE model**

*Tuesday, 28 May 2024 11:00 (20 minutes)*

**Presenter:** 张, 文超

**Session Classification:** Chair: 王倩

Contribution ID: 37

Type: **not specified**

## **Molecular States from Baryon and Heavy Meson Interactions**

*Tuesday, 28 May 2024 15:20 (20 minutes)*

**Presenter:** 黄, 柏林 (内蒙古大学)

**Session Classification:** Chair: 刘北江

Contribution ID: 38

Type: **not specified**

## 底强子衰变过程中开味四夸克态理论研究

**Presenter:** WANG, En (Zhengzhou University)

**Session Classification:** Chair: 刘北江

Contribution ID: 39

Type: **not specified**

## 少体强子分子态的研究

*Tuesday, 28 May 2024 08:30 (20 minutes)*

**Presenter:** 罗, 肆强 (兰州大学)

**Session Classification:** Chair: 陈华星



Contribution ID: 40

Type: **not specified**

## Fully strange and doubly heavy tetraquark states in quark model

*Tuesday, 28 May 2024 08:50 (20 minutes)*

**Presenter:** MA, Yao (Peking University)

**Session Classification:** Chair: 陈华星

Contribution ID: 41

Type: **not specified**

## Investigation on the bottom analogs of the Tcc+

*Tuesday, 28 May 2024 15:20 (20 minutes)*

**Presenter:** 任, 雨山

**Session Classification:** Chair: 张黎明

Contribution ID: 42

Type: **not specified**

## Atlas 中全粲四夸克态的研究

*Tuesday, 28 May 2024 09:30 (20 minutes)*

**Presenter:** LI, Hui (Tsinghua University)

**Session Classification:** Chair: 陈华星

Contribution ID: 43

Type: **not specified**

## Study of $Y(10753)$ at Belle II

*Tuesday, 28 May 2024 10:20 (20 minutes)*

**Presenter:** JIA, Sen (Southeast University)

**Session Classification:** Chair: 王倩

Contribution ID: 44

Type: **not specified**

## **X atom with DDbarpi three body dynamics**

*Tuesday, 28 May 2024 10:40 (20 minutes)*

**Presenter:** ZHANG, zhenhua (Institute of Theretical Physics)

**Session Classification:** Chair: 王倩

Contribution ID: 45

Type: **not specified**

## 3 body hidden-heavy flavor molecular states

*Tuesday, 28 May 2024 15:00 (20 minutes)*

**Presenter:** 付, 海龙 (理论物理研究所)

**Session Classification:** Chair: 刘北江

Contribution ID: 46

Type: **not specified**

## **Strong decays of a few hadrons as multiquark states**

*Tuesday, 28 May 2024 11:20 (20 minutes)*

**Presenter:** CUI, Er-Liang (Beihang University)

**Session Classification:** Chair: 王倩

Contribution ID: 47

Type: **not specified**

## Search for XYZ with baryon final states at BES III

*Wednesday, 29 May 2024 08:30 (30 minutes)*

**Presenter:** WANG, Xiongfei (Lanzhou University)

**Session Classification:** Chair:



Contribution ID: 48

Type: **not specified**

## 混杂态的 QCD 求和规则研究

*Wednesday, 29 May 2024 09:00 (30 minutes)*

**Presenter:** CHEN, Hua-Xing (Southeast University)

**Session Classification:** Chair:

Contribution ID: 49

Type: **not specified**

## **Spectrum of the heavy hadronic molecules: from known to unknown**

*Wednesday, 29 May 2024 09:30 (30 minutes)*

**Presenter:** 王, 波 (河北大学)

**Session Classification:** Chair:

Contribution ID: 50

Type: **not specified**

## 重离子碰撞和强子对撞中奇特强子态的产生

**Presenter:** WANG, Qian

**Session Classification:** Chair: 马伯强

Contribution ID: 51

Type: **not specified**

## 用 QCD 求和规则研究四夸克态的性质

*Wednesday, 29 May 2024 11:00 (30 minutes)*

**Presenter:** 王, 志刚 (高能所)

**Session Classification:** Chair: 马伯强

Contribution ID: 52

Type: **not specified**

## **Tetraquark studies at LHCb**

*Wednesday, 29 May 2024 11:30 (30 minutes)*

**Presenter:** ZHANG, Yanxi (Peking University)

**Session Classification:** Chair: 马伯强

Contribution ID: 53

Type: **not specified**

## Production of Pcs states in $\Xi_b$ decay

*Wednesday, 29 May 2024 14:00 (20 minutes)*

**Presenter:** 吴,琦

**Session Classification:** Chair: 刘翔

Contribution ID: 54

Type: **not specified**

## **Fully heavy compact and molecular tetraquark states in quark model**

*Wednesday, 29 May 2024 14:20 (20 minutes)*

**Presenter:** 吴, 伟霖

**Session Classification:** Chair: 刘翔

Contribution ID: 55

Type: **not specified**

## Study of the a\_0(1710)

*Wednesday, 29 May 2024 14:40 (20 minutes)*

**Presenter:** 肖, 楮文 (广西师范大学)

**Session Classification:** Chair: 刘翔



Contribution ID: 56

Type: **not specified**

## **Tetraquark bound states and resonances in quark potential models**

*Wednesday, 29 May 2024 15:00 (20 minutes)*

**Presenter:** 陈, 炎柯 (school of physics Peking University)

**Session Classification:** Chair: 刘翔

Contribution ID: 57

Type: **not specified**

## CHINESE PHYSICS C 介绍

*Wednesday, 29 May 2024 15:50 (20 minutes)*

**Session Classification:** Chair: 李郁博

Contribution ID: 58

Type: **not specified**

## 第十届 XYZ 会议申请

*Wednesday, 29 May 2024 16:10 (20 minutes)*

**Presenter:** SHAN, Wei (高能所)

**Session Classification:** Chair: 李郁博

Contribution ID: 59

Type: **not specified**

## 会议总结

*Wednesday, 29 May 2024 16:30 (20 minutes)*

**Presenter:** ZHANG, Liming (Tsinghua University)

**Session Classification:** Chair: 李郁博

Contribution ID: 60

Type: **not specified**

## 重离子碰撞和强子对撞中奇特强子态的产生

*Tuesday, 28 May 2024 16:10 (30 minutes)*

**Presenter:** WANG, Qian

**Session Classification:** Chair: 王伟

Contribution ID: **61**

Type: **not specified**

## **AI assistant for XYZ studies**

*Tuesday, 28 May 2024 16:40 (30 minutes)*

**Presenter:** LI, Ke (IHEP)

**Session Classification:** Chair: 王伟

Contribution ID: 62

Type: **not specified**

## 底强子衰变过程中开味四夸克态理论研究

*Tuesday, 28 May 2024 17:10 (20 minutes)*

**Presenter:** WANG, En (Zhengzhou University)

**Session Classification:** Chair: 王伟

Contribution ID: 63

Type: **not specified**

## Precise determination of the pole position of the exotic $Z_c(3900)$

*Tuesday, 28 May 2024 11:40 (20 minutes)*

**Presenter:** CHEN, Yun-Hua (University of Science and Technology Beijing)

**Session Classification:** Chair: 王倩



Contribution ID: 64

Type: **not specified**

## **The study the cross sections of open charm meson pairs at BES III**

**Presenter:** SONG, weimin (Jilin University)

**Session Classification:** Chair: 沈成平

Contribution ID: 65

Type: **not specified**

## 质子偶素：理论与实验

*Monday, 27 May 2024 16:30 (30 minutes)*

**Presenter:** 马, 伯强 (Peking University)

**Session Classification:** Chair: 沈成平