

# QCD 物理研讨暨基金委重大项目、科技部重点研发项目学术交流 会

## Report of Contributions

Contribution ID: 1

Type: **not specified**

# Opening Speech

**Session Classification:** Opening speech

Contribution ID: 2

Type: **not specified**

## Light Nuclei production and QCD phase transition

*Monday, 24 July 2023 09:00 (25 minutes)*

**Presenter:** 孙开佳 (复旦大学)

**Session Classification:** QCD 临界点与状态方程

Contribution ID: 3

Type: **not specified**

## RHIC 能量扫描中 QCD 相图的实验研究

*Monday, 24 July 2023 09:25 (25 minutes)*

**Presenter:** 张宇 (华中师范大学)

**Session Classification:** QCD 临界点与状态方程

Contribution ID: 4

Type: **not specified**

## **The negative kurtosis of baryon number fluctuation at HADES and BES-II, and the CEP of nuclear Liquid-Gas phase transition**

*Monday, 24 July 2023 09:50 (25 minutes)*

**Presenter:** 许坤 (中国科学院大学)

**Session Classification:** QCD 临界点与状态方程

Contribution ID: 5

Type: **not specified**

## **New theoretical developments in the study of QCD phase diagram**

*Monday, 24 July 2023 10:15 (25 minutes)*

**Presenter:** 高飞 (北京理工大学)

**Session Classification:** QCD 临界点与状态方程

Contribution ID: 6

Type: **not specified**

## **Light Nuclei, Hypernuclei Production and Collectivity at High Baryon Density**

*Monday, 24 July 2023 11:00 (25 minutes)*

**Presenter:** 谢冠男 (中国科学院大学)

**Session Classification:** QCD 临界点与状态方程

Contribution ID: 7

Type: **not specified**

## **BES Light flavor production, flow, and Polarization**

*Monday, 24 July 2023 11:25 (25 minutes)*

**Presenter:** SUBHASH SINGHA (中科院近代物理研究所)

**Session Classification:** QCD 临界点与状态方程



Contribution ID: 8

Type: **not specified**

## Dynamical modeling and QCD phase diagram

*Monday, 24 July 2023 11:50 (25 minutes)*

**Presenter:** 吴祥宇 (华中师范大学)

**Session Classification:** QCD 临界点与状态方程

Contribution ID: 9

Type: **not specified**

## Heavy quark dynamics in heavy-ion collisions

*Monday, 24 July 2023 14:00 (30 minutes)*

**Presenter:** 秦广友 (华中师范大学)

**Session Classification:** 重味与奇异粒子产生

Contribution ID: 10

Type: **not specified**

## LHC 能区重夸克实验进展

*Monday, 24 July 2023 14:30 (30 minutes)*

**Presenter:** 张晓明 (华中师范大学)

**Session Classification:** 重味与奇异粒子产生

Contribution ID: 11

Type: **not specified**

## Quarkonium production in heavy ion collisions

*Monday, 24 July 2023 15:00 (30 minutes)*

**Presenter:** 白晓智 (中国科学技术大学)

**Session Classification:** 重味与奇异粒子产生

Contribution ID: 12

Type: **not specified**

## Heavy ion physics at LHCb

*Monday, 24 July 2023 16:00 (30 minutes)*

**Presenter:** 张艳席 (北京大学)

**Session Classification:** 重味与奇异粒子产生

Contribution ID: 13

Type: **not specified**

## ALICE 实验中奇异粒子产生和关联研究进展

*Monday, 24 July 2023 16:30 (30 minutes)*

**Presenter:** 殷中宝 (华中师范大学)

**Session Classification:** 重味与奇异粒子产生

Contribution ID: 14

Type: **not specified**

## **Heavy quark potential in the quark-gluon plasma: Deep neural network meets lattice quantum chromodynamics**

*Monday, 24 July 2023 17:00 (30 minutes)*

**Presenter:** 施舒哲 (清华大学)

**Session Classification:** 重味与奇异粒子产生

Contribution ID: 15

Type: **not specified**

## Experimental measurements of photon induced reactions in heavy-ion collisions

*Tuesday, 25 July 2023 09:00 (25 minutes)*

**Presenter:** 唐泽波 (中国科学技术大学)

**Session Classification:** QCD 电磁信号



Contribution ID: 16

Type: **not specified**

## **Experimental findings on the carrier of baryon number from RHIC BES-I and isobar data**

*Tuesday, 25 July 2023 11:00 (25 minutes)*

**Presenter:** 许长补 (BNL)

**Session Classification:** QCD 电磁信号

Contribution ID: 17

Type: **not specified**

## **Probing the isobaric Ru and Zr nuclear structure with the diffractive photoproduction of $\rho^0$ mesons**

*Tuesday, 25 July 2023 09:25 (25 minutes)*

**Presenter:** 赵杰 (复旦大学)

**Session Classification:** QCD 电磁信号

Contribution ID: 18

Type: **not specified**

## Azimuthal asymmetry in UPCs: theoretical aspect

*Tuesday, 25 July 2023 09:50 (25 minutes)*

**Presenter:** 周雅瑾 (山东大学)

**Session Classification:** QCD 电磁信号

Contribution ID: 19

Type: **not specified**

## **Measurements of electrons from open heavy flavor hadron decays at RHIC**

*Tuesday, 25 July 2023 11:25 (25 minutes)*

**Presenter:** 张生辉 (中国科学技术大学)

**Session Classification:** QCD 电磁信号

Contribution ID: 20

Type: **not specified**

## Study on Breit-Wheeler process at RHIC

*Tuesday, 25 July 2023 10:15 (25 minutes)*

**Presenter:** 王晓凤 (山东大学)

**Session Classification:** QCD 电磁信号

Contribution ID: 21

Type: **not specified**

## Measurement of thermal dileptons in heavy-ion collisions

*Tuesday, 25 July 2023 11:50 (25 minutes)*

**Presenter:** 王桢 (山东大学)

**Session Classification:** QCD 电磁信号

Contribution ID: 22

Type: **not specified**

## **EIC/EicC experiment overview**

*Tuesday, 25 July 2023 14:00 (30 minutes)*

**Presenter:** 赵宇翔 (中科院近代物理研究所)

**Session Classification:** 核子三维结构

Contribution ID: 23

Type: **not specified**

## The status of PDFs

*Tuesday, 25 July 2023 14:30 (30 minutes)*

**Presenter:** 高俊 (上海交通大学)

**Session Classification:** 核子三维结构



Contribution ID: 24

Type: **not specified**

## Jet physics at EIC

*Tuesday, 25 July 2023 15:00 (30 minutes)*

**Presenter:** 邵煜 (复旦大学)

**Session Classification:** 核子三维结构

Contribution ID: 25

Type: **not specified**

## Light quark mass from lattice QCD

*Tuesday, 25 July 2023 16:00 (30 minutes)*

**Presenter:** 孙鹏 (中科院近代物理研究所)

**Session Classification:** 核子三维结构

Contribution ID: 26

Type: **not specified**

## Proton radius puzzle

*Tuesday, 25 July 2023 16:30 (30 minutes)*

**Presenter:** 熊伟志 (山东大学)

**Session Classification:** 核子三维结构

Contribution ID: 27

Type: **not specified**

## 基于量子计算的核子结构研究

*Tuesday, 25 July 2023 17:00 (30 minutes)*

**Presenter:** 李天胤 (华南师范大学)

**Session Classification:** 核子三维结构

Contribution ID: 28

Type: **not specified**

## 重离子碰撞中超子极化实验测量新进展

*Wednesday, 26 July 2023 09:00 (30 minutes)*

**Presenter:** 陈震宇 (山东大学)

**Session Classification:** QCD 介质极化和手征涡流效应

Contribution ID: 29

Type: **not specified**

## 相对论重离子碰撞中自旋霍尔效应信号的寻找

*Wednesday, 26 July 2023 09:30 (30 minutes)*

**Presenter:** 胡强 (中科院近代物理研究所)

**Session Classification:** QCD 介质极化和手征涡流效应

Contribution ID: 30

Type: **not specified**

## 重离子碰撞中矢量介子的整体自旋排列现象

*Wednesday, 26 July 2023 10:00 (30 minutes)*

**Presenter:** 孙旭 (中科院近代物理研究所)

**Session Classification:** QCD 介质极化和手征涡流效应

Contribution ID: 31

Type: **not specified**

## Generalized Chiral Kinetic Equations

*Wednesday, 26 July 2023 10:50 (30 minutes)*

**Presenter:** 高建华 (山东大学 (威海))

**Session Classification:** QCD 介质极化和手征涡流效应



Contribution ID: 32

Type: **not specified**

## Shear induced polarization: complete results at leading logarithm

*Wednesday, 26 July 2023 11:20 (30 minutes)*

**Presenter:** 林树 (中山大学)

**Session Classification:** QCD 介质极化和手征涡流效应

Contribution ID: 33

Type: **not specified**

## 矢量介子自旋排列的理论进展

*Wednesday, 26 July 2023 11:50 (30 minutes)*

**Presenter:** 盛欣力 (意大利 INFN)

**Session Classification:** QCD 介质极化和手征涡流效应

Contribution ID: 34

Type: **not specified**

## Overview of experimental search for the chiral magnetic effect at RHIC-STAR

*Wednesday, 26 July 2023 14:00 (30 minutes)*

**Presenter:** 王福强 (普渡大学)

**Session Classification:** QCD 手征磁效应

Contribution ID: 35

Type: **not specified**

## LHC-ALICE 实验 CME、CMW、CVE 研究进展

*Wednesday, 26 July 2023 14:30 (25 minutes)*

**Presenter:** 寿齐焯 (复旦大学)

**Session Classification:** QCD 手征磁效应

Contribution ID: 36

Type: **not specified**

## 手征反常效应理论研究进展

*Wednesday, 26 July 2023 14:55 (25 minutes)*

**Presenter:** 黄旭光 (复旦大学)

**Session Classification:** QCD 手征磁效应

Contribution ID: 37

Type: **not specified**

## 手征反常效应唯象研究进展

*Wednesday, 26 July 2023 15:20 (25 minutes)*

**Presenter:** 马国亮 (复旦大学)

**Session Classification:** QCD 手征磁效应

Contribution ID: 38

Type: **not specified**

## 电荷依赖直接流探索重离子碰撞中的强磁场

*Wednesday, 26 July 2023 16:40 (25 minutes)*

**Presenter:** 申迪宇 (复旦大学)

**Session Classification:** QCD 手征磁效应

Contribution ID: 39

Type: **not specified**

## ALICE 实验集体流研究进展

*Wednesday, 26 July 2023 17:05 (25 minutes)*

**Presenter:** 卢志永 (原子能院)

**Session Classification:** QCD 手征磁效应



Contribution ID: 40

Type: **not specified**

## 利用 isobar 碰撞探寻原子核形变

*Wednesday, 26 July 2023 16:15 (25 minutes)*

**Presenter:** 宋慧超 (北京大学)

**Session Classification:** QCD 手征磁效应