

# **Strong QCD from Hadron Structure Experiments - VI**

## **Report of Contributions**

Contribution ID: 4

Type: **not specified**

## Status of and prospects for EicC

*Tuesday, 14 May 2024 09:00 (35 minutes)*

25+10

**Presenter:** LIANG, Yutie (Institute of Modern Physics, CAS)

**Session Classification:** Session 1

Contribution ID: 5

Type: **not specified**

## **EIC: Status and Physics**

*Tuesday, 14 May 2024 09:35 (35 minutes)*

25+10

**Presenter:** DESHPANDE, Abhay (Stony Brook University)

**Session Classification:** Session 1

Contribution ID: 6

Type: **not specified**

## Imaging the nucleon interior

*Tuesday, 14 May 2024 10:10 (35 minutes)*

25+10

**Presenter:** MILNER, Richard

**Session Classification:** Session 1

Contribution ID: 7

Type: **not specified**

**coffee**

break

Contribution ID: 8

Type: **not specified**

## Meson Structure Studies at EIC

*Tuesday, 14 May 2024 11:15 (35 minutes)*

25+10

**Presenter:** RICHARD, Trotta

**Session Classification:** Session 2

Contribution ID: 9

Type: **not specified**

## Meson Structure Studies at EicC

*Tuesday, 14 May 2024 11:50 (35 minutes)*

25+10

**Presenter:** XIONG, Weizhi (Shandong University)

**Session Classification:** Session 2

Contribution ID: **10**

Type: **not specified**

## **Hadron physics at J-PARC**

*Tuesday, 14 May 2024 14:00 (35 minutes)*

25+10

**Presenter:** SHIROTORI, Kotaro (Research Center for Nuclear Physics (RCNP) , Osaka University)

**Session Classification:** Session 3



Contribution ID: 11

Type: **not specified**

## Hadron Physics with BESIII

*Tuesday, 14 May 2024 14:35 (35 minutes)*

25+10

**Presenter:** YUAN, Changzheng (IHEP, Beijing)

**Session Classification:** Session 3

Contribution ID: 12

Type: **not specified**

## Quark Models and Multiquark States

*Tuesday, 14 May 2024 15:10 (35 minutes)*

25+10

**Presenter:** ZOU, Bingsong (ITP, CAS)

**Session Classification:** Session 3

Contribution ID: 13

Type: **not specified**

## Lattice studies of exotic hadrons

*Tuesday, 14 May 2024 16:15 (35 minutes)*

25+10

**Presenter:** CHEN, Ying (高能所)

**Session Classification:** Session 4

Contribution ID: 14

Type: **not specified**

## Reaction Models and Exotic Hadrons

*Tuesday, 14 May 2024 16:50 (35 minutes)*

25+10

**Presenter:** GUO, Feng-Kun (ITP, CAS)

**Session Classification:** Session 4

Contribution ID: 15

Type: **not specified**

## Insights into Exotic Hadrons from Quark Models

*Tuesday, 14 May 2024 17:25 (35 minutes)*

25+10

**Presenter:** ZHAO, Qiang (Institute of High Energy Physics, Chinese Academy of Sciences)

**Session Classification:** Session 4

Contribution ID: 16

Type: **not specified**

## Emergent Hadron Mass: Origin and Implications

*Wednesday, 15 May 2024 09:00 (35 minutes)*

25+10

**Presenter:** ROBERTS, Craig (Nanjing University)

**Session Classification:** Session 5

Contribution ID: 17

Type: **not specified**

## Lattice computations of parton distributions

*Wednesday, 15 May 2024 09:35 (35 minutes)*

25+10

**Presenter:** LIN, Huey-Wen (M)

**Session Classification:** Session 5

Contribution ID: **18**

Type: **not specified**

## **Nucleon charge and magnetisation distributions: flavour separation and zeroes**

*Wednesday, 15 May 2024 10:10 (35 minutes)*

25+10

**Presenter:** YAO, Zhao-Qian (ECT\*)

**Session Classification:** Session 5



Contribution ID: 19

Type: **not specified**

## Lattice studies of hadron structure

*Wednesday, 15 May 2024 11:15 (35 minutes)*

25+10

**Presenter:** KOUTSOU, Giannis

**Session Classification:** Session 6

Contribution ID: 20

Type: **not specified**

## **Nucleon electroweak elastic and transition form factors**

*Wednesday, 15 May 2024 11:50 (35 minutes)*

25+10

**Presenter:** CHEN, Chen (USTC)

**Session Classification:** Session 6

Contribution ID: 21

Type: **not specified**

## Lattice-QCD and Parton DFs

*Wednesday, 15 May 2024 14:00 (35 minutes)*

25+10

**Presenter:** ZHANG, Jianhui (Beijing Normal University)

**Session Classification:** Session 7

Contribution ID: 22

Type: **not specified**

## **All-orders evolution of parton distribution functions and proton spin**

*Wednesday, 15 May 2024 14:35 (35 minutes)*

25+10

**Presenter:** RODRÍGUEZ QUINTERO, José (University of Huelva)

**Session Classification:** Session 7

Contribution ID: 23

Type: **not specified**

## **Predicting and distinguishing gluon distributions in the proton and pion**

*Wednesday, 15 May 2024 15:10 (35 minutes)*

25+10

**Presenter:** CHANG, Lei

**Session Classification:** Session 7

Contribution ID: 24

Type: **not specified**

## **New Tools to Probe the Structure of Baryon Resonances**

*Wednesday, 15 May 2024 16:15 (35 minutes)*

25+10

**Presenter:** COLE, Philip (Idaho State University)

**Session Classification:** Session 8

Contribution ID: 25

Type: **not specified**

## Amplitude analysis of electroproduction data

*Wednesday, 15 May 2024 16:50 (35 minutes)*

25+10

**Presenter:** SARANTSEV, Andrei (Petersburg Nuclear Physics Institute & Bonn University)

**Session Classification:** Session 8

Contribution ID: 26

Type: **not specified**

## **Baryon structures through dynamical coupled-channel approaches**

*Wednesday, 15 May 2024 17:25 (35 minutes)*

25+10

**Presenter:** WANG, Yu-Fei

**Session Classification:** Session 8



Contribution ID: 27

Type: **not specified**

## **N\* Electroexcitation Amplitudes and Emergent Hadron Mass**

*Friday, 17 May 2024 09:00 (35 minutes)*

25+10

**Presenter:** MOKEEV, Victor (Jlab)

**Session Classification:** Session 13

Contribution ID: 28

Type: **not specified**

## AMBER @ CERN

*Thursday, 16 May 2024 09:00 (35 minutes)*

25+10

**Presenter:** DENISOV, Oleg

**Session Classification:** Session 9

Contribution ID: 29

Type: **not specified**

## TMDs studies with COMPASS

*Thursday, 16 May 2024 09:35 (35 minutes)*

25+10

**Presenter:** PARSAMYAN, Bakur

**Session Classification:** Session 9

Contribution ID: 30

Type: **not specified**

# Reaction Theory for Resonance Electro and Photoproduction

*Friday, 17 May 2024 09:35 (35 minutes)*

25+10

**Presenter:** DOERING, Michael (GWU)

**Session Classification:** Session 13

Contribution ID: 31

Type: **not specified**

## Exclusive Drell-Yan at J-PARC

*Thursday, 16 May 2024 10:10 (35 minutes)*

25+10

**Presenter:** CHANG, Wen-Chen (Institute of Physics, Academia Sinica)

**Session Classification:** Session 9

Contribution ID: 32

Type: **not specified**

## Probing Bound Quark States as a Window into Strong QCD

*Friday, 17 May 2024 10:10 (35 minutes)*

25+10

**Presenter:** GOTHE, Ralf (University of South Carolina)

**Session Classification:** Session 13

Contribution ID: 33

Type: **not specified**

## Emergence of a Gluon Mass

*Thursday, 16 May 2024 11:15 (35 minutes)*

25+10

**Presenter:** NARCISO FERREIRA, Mauricio (University of Valencia and CSIC)

**Session Classification:** Session 10

Contribution ID: 34

Type: **not specified**

## Reaction Models for Heavy Meson Production

*Friday, 17 May 2024 11:15 (35 minutes)*

25+10

**Presenter:** WU, Jia-Jun (IHEP)

**Session Classification:** Session 14



Contribution ID: 35

Type: **not specified**

## **Pseudoscalar Mesons and Emergent Mass**

*Thursday, 16 May 2024 11:50 (35 minutes)*

25+10

**Presenter:** KHEPANI, Raya (Nankai University)

**Session Classification:** Session 10

Contribution ID: 36

Type: **not specified**

## **Practitioner-unbiased extrapolation and interpolation of precise data**

*Friday, 17 May 2024 11:50 (35 minutes)*

25+10

**Presenter:** BINOSI, Daniele

**Session Classification:** Session 14

Contribution ID: 37

Type: **not specified**

## **GPDs for nucleon to resonance transitions**

*Thursday, 16 May 2024 17:25 (35 minutes)*

25+10

**Presenter:** JOO, Kyungseon (U)

**Session Classification:** Session 12

Contribution ID: **38**

Type: **not specified**

## **Nucleon's Light-Front Wave Function**

*Thursday, 16 May 2024 14:35 (35 minutes)*

25+10

**Presenter:** MEZRAG, Cédric

**Session Classification:** Session 11

Contribution ID: 39

Type: **not specified**

## Opportunities for SIDIS in 12 GeV era at Jlab

*Thursday, 16 May 2024 15:10 (35 minutes)*

25+10

**Presenter:** VOSSEM, Anselm

**Session Classification:** Session 11

Contribution ID: 40

Type: **not specified**

## quark hadronization from electroproduction off nuclei experiments

*Thursday, 16 May 2024 16:15 (35 minutes)*

25+10

**Presenter:** MINEEVA, Taisiya (U)

**Session Classification:** Session 12

Contribution ID: 41

Type: **not specified**

## MARATHON

*Thursday, 16 May 2024 14:00 (35 minutes)*

25+10

**Presenter:** YE, Zhihong (Tsinghua University)

**Session Classification:** Session 11

Contribution ID: 42

Type: **not specified**

## Lattice studies of hadron form factors

*Thursday, 16 May 2024 16:50 (35 minutes)*

25+10

**Presenter:** SYRITSYN, Sergey (Stony Brook University)

**Session Classification:** Session 12



Contribution ID: 43

Type: **not specified**

## **Speaker: Richard Milner et al**

*Tuesday, 14 May 2024 19:30 (1 hour)*

**Session Classification:** Discussion: Opportunity for China to Build a World Class QCD Machine in the Next Decade