

# **Workshop: RHIC Science Programs Informative Toward EIC in the Coming Years**



## **Report of Contributions**

Contribution ID: 1

Type: **not specified**

## **Overview of UPC photon physics from April CFNS workshop**

*Monday, 24 May 2021 10:00 (40 minutes)*

**Presenter:** TU, Zhoudunming (BNL)

**Session Classification:** New Opportunities at Photon Physics

Contribution ID: 2

Type: **not specified**

## Overview of UPC snowmass LoI physics cases

*Monday, 24 May 2021 10:40 (40 minutes)*

**Presenter:** PRZYBYCIEN, Mariusz (AGH University of Science and Technology)

**Session Classification:** New Opportunities at Photon Physics

Contribution ID: 3

Type: **not specified**

## **Measurements of strong QED interactions at RHIC and LHC**

*Monday, 24 May 2021 11:20 (40 minutes)*

**Presenter:** YANG, Shuai (RICE)

**Session Classification:** New Opportunities at Photon Physics

Contribution ID: 4

Type: **not specified**

## **Flow signals and physics in small-system collisions**

*Monday, 24 May 2021 12:15 (40 minutes)*

**Presenter:** BELMONT, Ron (University of North Carolina Greensboro)

**Session Classification:** Collectivity in small-system collisions

Contribution ID: 5

Type: **not specified**

## **Inclusive photon-nucleus collisions**

*Monday, 24 May 2021 12:55 (30 minutes)*

**Presenter:** TRIBEDY, Prithwish (BNL)

**Session Classification:** Collectivity in small-system collisions

Contribution ID: 6

Type: **not specified**

## **Dihadron correlations and implication of gluon saturation**

*Monday, 24 May 2021 13:25 (30 minutes)*

**Presenter:** CHU, Xiaoxuan (BNL)

**Session Classification:** Collectivity in small-system collisions

Contribution ID: 7

Type: **not specified**

## **Collision system scan and future perspectives with STAR detector**

*Monday, 24 May 2021 13:55 (40 minutes)*

**Presenter:** JIANGYONG, Jia (Stony Brook University)

**Session Classification:** Collectivity in small-system collisions



Contribution ID: 8

Type: **not specified**

## **Theory of Transverse/forward spin physics at RHIC**

*Tuesday, 25 May 2021 10:00 (40 minutes)*

**Presenter:** KANG, Zhongbo (UCLA)

**Session Classification:** Transverse Spin

Contribution ID: 9

Type: **not specified**

## Linearly polarized photon-gluon collisions

*Tuesday, 25 May 2021 10:40 (40 minutes)*

**Presenter:** BRANDENBURG, Daniel (Brookhaven National Laboratory)

**Session Classification:** Transverse Spin

Contribution ID: **10**

Type: **not specified**

## **RHIC spin capabilities**

*Tuesday, 25 May 2021 11:20 (40 minutes)*

**Presenter:** FATEMI, Renee (University of Kentucky)

**Session Classification:** Transverse Spin

Contribution ID: 11

Type: **not specified**

## **Initial Conditions and Gluon Distributions**

*Wednesday, 26 May 2021 12:30 (30 minutes)*

**Presenter:** SCHENKE, Bjoern (BNL)

**Session Classification:** Discussions (workshop goals)

Contribution ID: 12

Type: **not specified**

## Spin Physics topics

*Wednesday, 26 May 2021 13:00 (30 minutes)*

**Presenter:** AIDALA, Christine (Michigan)

**Session Classification:** Discussions (workshop goals)

Contribution ID: 13

Type: **not specified**

## Small-System observables

*Wednesday, 26 May 2021 13:30 (30 minutes)*

**Presenter:** REED, Rosi (Lehigh University)

**Session Classification:** Discussions (workshop goals)

Contribution ID: 14

Type: **not specified**

## UPC and QED

*Wednesday, 26 May 2021 14:00 (30 minutes)*

**Presenter:** ZHOU, Jian (Shandong University)

**Session Classification:** Discussions (workshop goals)

Contribution ID: 15

Type: **not specified**

## **Hard Probes, New and Open Questions**

*Wednesday, 26 May 2021 14:30 (30 minutes)*

**Presenter:** HUANG, Jin (Brookhaven National Lab)

**Session Classification:** Discussions (workshop goals)



Contribution ID: 16

Type: **not specified**

## Theory of Hard Probes from RHIC to EIC

*Tuesday, 25 May 2021 12:40 (40 minutes)*

**Presenter:** VITEV, Ivan (LANL)

**Session Classification:** Hard Probes

Contribution ID: 17

Type: **not specified**

## Heavy Flavor measurements from RHIC to EIC

*Tuesday, 25 May 2021 13:20 (40 minutes)*

**Presenter:** DONG, Xin (Lawrence Berkeley National Laboratory)

**Session Classification:** Hard Probes

Contribution ID: **18**

Type: **not specified**

## **photon-jets and dijets from RHIC to EIC**

*Tuesday, 25 May 2021 14:00 (40 minutes)*

**Presenter:** OSBORN, Joe (Oak Ridge National Laboratory)

**Session Classification:** Hard Probes

Contribution ID: 19

Type: **not specified**

## **sPHENIX perspectives**

*Tuesday, 25 May 2021 14:40 (40 minutes)*

**Presenter:** LAJOIE, John (Iowa State University)

**Session Classification:** Hard Probes

Contribution ID: 20

Type: **not specified**

## Quantum Entanglement in QCD

*Wednesday, 26 May 2021 10:00 (40 minutes)*

**Presenter:** KHARZEEV, Dmitri (Stony Brook University and BNL)

**Session Classification:** New and Open

Contribution ID: 21

Type: **not specified**

## **Glueball/Odderon/Exotics search**

*Wednesday, 26 May 2021 10:40 (40 minutes)*

**Presenter:** GURYN, Wlodek (BNL)

**Session Classification:** New and Open

Contribution ID: 22

Type: **not specified**

## Theory of strong QED field at RHIC

*Wednesday, 26 May 2021 11:20 (40 minutes)*

**Presenter:** Prof. HATTORI, Koichi (Kyoto University)

**Session Classification:** New and Open