

# **1st CFNS Postdoc Meet**

## **Report of Contributions**

Contribution ID: 1

Type: **not specified**

# **EIC status and realization challenges (opportunities!) ahead**

*Monday 16 October 2023 09:00 (1 hour)*

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

Contribution ID: 2

Type: **not specified**

## **The calculation of nucleon electric dipole moments on Lattice**

*Monday 16 October 2023 10:15 (45 minutes)*

**Presenter:** HE, Fangcheng (staff@stonybrook.edu)

Contribution ID: 3

Type: **not specified**

# Classical lumps in QFT from quantum coherence

*Monday 16 October 2023 14:00 (1 hour)*

**Presenter:** VENUGOPALAN, Raju (BNL)

Contribution ID: 4

Type: **not specified**

## Overview of TimePix projects at the department

*Thursday 19 October 2023 14:45 (45 minutes)*

**Presenter:** SHULGA, Evgeny (Stony Brook University)

Contribution ID: 5

Type: **not specified**

# Quantum entanglement at RHIC and EIC

*Tuesday 17 October 2023 11:00 (1 hour)*

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

Contribution ID: 6

Type: **not specified**

## Colliders Beyond the EIC: a Muon-Ion Collider

*Tuesday 17 October 2023 09:45 (45 minutes)*

**Presenter:** CLINE, Ethan (Stony Brook University)

Contribution ID: 7

Type: **not specified**

# **Diffractive Physics from LHC to EIC: probing gluons in nuclei with photoproduction**

*Tuesday 17 October 2023 14:00 (45 minutes)*

**Presenter:** KIM, Minjung (UC Berkeley)



Contribution ID: 8

Type: **not specified**

# The physics of e+A collisions at the Electron-Ion Collider

*Monday 16 October 2023 16:15 (45 minutes)*

**Presenter:** (MAGDY) ABDELRAHMAN, Niseem (Research Associate)

Contribution ID: 9

Type: **not specified**

## Hot QCD: Recent discoveries and Open Questions

*Wednesday 18 October 2023 09:00 (1 hour)*

**Presenter:** CAINES, Helen (Yale)

Contribution ID: **10**

Type: **not specified**

## Talk

**Presenter:** KOROVER, Igor (MIT)

Contribution ID: **11**

Type: **not specified**

## **Invited Speaker's talk**

Contribution ID: **12**

Type: **not specified**

## 2nd Detector for the EIC

*Thursday 19 October 2023 09:45 (45 minutes)*

**Presenter:** LI, Wenliang (Stony Brook University CFNS)

Contribution ID: **13**

Type: **not specified**

## **Invited Speaker's talk**

Contribution ID: 14

Type: **not specified**

## **Generalized Parton Distributions from Lattice QCD**

*Thursday 19 October 2023 09:00 (45 minutes)*

**Presenter:** BHATTACHARYA, Shohini (BNL)

Contribution ID: 15

Type: **not specified**

## **Extraction of the strong coupling with HERA and EIC inclusive data**

*Monday 16 October 2023 15:30 (45 minutes)*

**Presenter:** DEMIROGLU, Zuhale Seyma (Stony Brook University, CFNS)



Contribution ID: 16

Type: **not specified**

## **Exact expectation values at global equilibrium with rotation and acceleration in relativistic fluids**

*Thursday 19 October 2023 14:00 (45 minutes)*

**Presenter:** PALERMO, Andrea (Stony Brook University)

Contribution ID: 17

Type: **not specified**

## **Precision jet substructure studies for the Relativistic Heavy Ion Collider with the sPHENIX detector**

*Monday 16 October 2023 11:00 (45 minutes)*

**Presenter:** FEDKEVYCH, Oleh (Georgia State University)

Contribution ID: **18**

Type: **not specified**

## **Imaging the nuclear structure in high-energy nuclear collisions**

*Thursday 19 October 2023 10:45 (45 minutes)*

**Presenter:** ZHANG, chunjian (stony brook university)

Contribution ID: **19**

Type: **not specified**

## **A unified TMD factorization: from large to small $x$**

*Tuesday 17 October 2023 09:00 (45 minutes)*

**Presenter:** TARASOV, Andrey (North Carolina State University)

Contribution ID: 20

Type: **not specified**

# Timelike entanglement entropy as a probe of Renormalization Group Flow

*Tuesday 17 October 2023 14:45 (45 minutes)*

**Presenter:** GRIENINGER, Sebastian (Stony Brook University)

Contribution ID: 21

Type: **not specified**

## **From Fixed Targets to LHC Beam Energies: Insights into the (Cold) QCD Medium**

*Wednesday 18 October 2023 10:15 (45 minutes)*

**Presenter:** NAÏM, Charles-Joseph (Stony Brook University (CFNS))

Contribution ID: 22

Type: **not specified**

# Unraveling the TMD Distributions in D-meson and Jet Productions at EIC

*Wednesday 18 October 2023 11:00 (45 minutes)*

**Presenter:** BANU KUTUBUDDIN, Shaikh Khatiza

Contribution ID: 23

Type: **not specified**

## Talk

**Presenter:** HOLLIGAN, Jack (Michigan State University)



Contribution ID: 24

Type: **not specified**

## Target jet substructure and correlations

*Thursday 19 October 2023 16:00 (45 minutes)*

**Presenter:** ESHA, Roli (Stony Brook University)

Contribution ID: 25

Type: **not specified**

## DE&I Talk

*Friday 20 October 2023 11:30 (30 minutes)*

**Presenter:** DONGWI, Dongwi H (Lawrence Livermore National Laboratory)

Contribution ID: 26

Type: **not specified**

## Ciprian Gal

*Friday 20 October 2023 10:15 (15 minutes)*

**Presenter:** GAL, Ciprian (Jefferson Lab)

**Session Classification:** Career session

Contribution ID: 27

Type: **not specified**

## Jan C. Bernauer

*Friday 20 October 2023 09:00 (15 minutes)*

**Presenter:** BERNAUER, Jan (Stony Brook University and RBRC)

**Session Classification:** Career session

Contribution ID: **28**

Type: **not specified**

## Sanghwa Park

*Friday 20 October 2023 09:45 (15 minutes)*

**Presenter:** PARK, Sanghwa (Jefferson Lab)

**Session Classification:** Career session

Contribution ID: 29

Type: **not specified**

## Prakhar Garg

*Friday 20 October 2023 10:00 (15 minutes)*

**Presenter:** GARG, Prakhar (Yale University)

**Session Classification:** Career session

Contribution ID: **30**

Type: **not specified**

## Shuzhe Shi

*Friday 20 October 2023 09:30 (15 minutes)*

**Presenter:** SHI, Shuzhe (Tsinghua University)

**Session Classification:** Career session

Contribution ID: **31**

Type: **not specified**

## Yang-Ting Chien

*Friday 20 October 2023 09:15 (15 minutes)*

**Presenter:** CHIEN, Yang-Ting (Georgia State University)

**Session Classification:** Career session



Contribution ID: **32**

Type: **not specified**

## Discussion

*Friday 20 October 2023 10:30 (1 hour)*

**Session Classification:** Career session