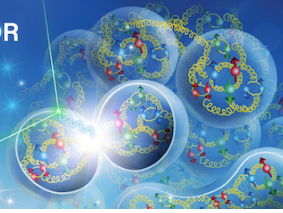


1ST INTERNATIONAL WORKSHOP ON A 2ND DETECTOR FOR THE EIC

1ST INTERNATIONAL WORKSHOP ON A 2ND DETECTOR
FOR THE ELECTRON-ION COLLIDER

Temple University, Philadelphia, PA
May 17-19, 2023



Report of Contributions

Contribution ID: 1

Type: **not specified**

Nuclear Parton Distributions

Friday, 19 May 2023 08:30 (25 minutes)

Presenter: PAUKKUNEN, Hannu (University of Jyväskylä)

Session Classification: Physics 4 - Morning Session Part 1 / Day 3

Contribution ID: 2

Type: **not specified**

Tracking the origin of baryon number with the EIC

Friday, 19 May 2023 08:55 (25 minutes)

Presenter: XU, Zhangbu (BNL)

Session Classification: Physics 4 - Morning Session Part 1 / Day 3

Contribution ID: 3

Type: **not specified**

Beyond Standard Model Physics at EIC

Friday, 19 May 2023 09:20 (25 minutes)

Presenter: GAL, Ciprian (Mississippi State University)

Session Classification: Physics 4 - Morning Session Part 1 / Day 3

Contribution ID: 4

Type: **not specified**

Heavy neutral leptons at the Electron-Ion Collider

Friday, 19 May 2023 09:45 (25 minutes)

Presenter: XIE, Keping (University of Pittsburgh)

Session Classification: Physics 4 - Morning Session Part 1 / Day 3

Contribution ID: 5

Type: **not specified**

Diffraction Dijets & Wigner Functions

Friday, 19 May 2023 10:30 (25 minutes)

Presenter: YUAN, Feng (Lawrence Berkeley National Laboratory)

Session Classification: Physics 5 - Morning Session Part 2 / Day 3

Contribution ID: 6

Type: **not specified**

Coherent J/Psi production on light nuclei

Friday, 19 May 2023 10:55 (25 minutes)

Presenter: GUZEY, Vadim (Petersburg Nuclear Physics Institute)

Session Classification: Physics 5 - Morning Session Part 2 / Day 3

Contribution ID: 7

Type: **not specified**

Exclusive Dilepton Production

Friday, 19 May 2023 11:20 (25 minutes)

Presenter: WAGNER, Jakub (National Centre for Nuclear Research)

Session Classification: Physics 5 - Morning Session Part 2 / Day 3

Contribution ID: 8

Type: **not specified**

Single diffractive hard exclusive processes

Friday, 19 May 2023 11:45 (25 minutes)

Presenter: YU, Zhite (Michigan State University)

Session Classification: Physics 5 - Morning Session Part 2 / Day 3

Contribution ID: 9

Type: **not specified**

Nature of Jets at EIC

Wednesday, 17 May 2023 10:30 (25 minutes)

Presenter: RINGER, Felix (JLab/ODU)

Session Classification: Physics 1 - Morning Session Part 2 / Day 1

Contribution ID: **10**

Type: **not specified**

Di-Jets/Di-hadrons in AA and eA

Wednesday, 17 May 2023 10:55 (25 minutes)

Presenter: CAINES, Helen (Yale)

Session Classification: Physics 1 - Morning Session Part 2 / Day 1

Contribution ID: 11

Type: **not specified**

Introduction to Color Glass Condensate

Wednesday, 17 May 2023 11:20 (25 minutes)

Presenter: MARQUET, Cyrille

Session Classification: Physics 1 - Morning Session Part 2 / Day 1

Contribution ID: 12

Type: **not specified**

Entanglement entropy and saturation at the EIC

Wednesday, 17 May 2023 11:45 (25 minutes)

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

Session Classification: Physics 1 - Morning Session Part 2 / Day 1

Contribution ID: 13

Type: **not specified**

Exclusive Reactions at low-x: GPDs or Color Dipole?

Wednesday, 17 May 2023 16:00 (25 minutes)

Presenter: HATTA, Yoshitaka (BNL)

Session Classification: Physics 2 - Afternoon Session Part 2 / Day 1

Contribution ID: 14

Type: **not specified**

High multiplicity eA events: azimuthal anisotropies

Wednesday, 17 May 2023 16:25 (25 minutes)

Presenter: SEIDLITZ, Blair (Columbia University)

Session Classification: Physics 2 - Afternoon Session Part 2 / Day 1

Contribution ID: 15

Type: **not specified**

Hadronization and Jet Substructure Analysis in eA and ep

Wednesday, 17 May 2023 16:50 (25 minutes)

Presenter: VITEV, Ivan (LANL)

Session Classification: Physics 2 - Afternoon Session Part 2 / Day 1

Contribution ID: 16

Type: **not specified**

Physics at low Q2

Wednesday, 17 May 2023 17:15 (25 minutes)

Presenter: SURROW, Bernd (Temple University)

Session Classification: Physics 2 - Afternoon Session Part 2 / Day 1

Contribution ID: 17

Type: **not specified**

Target Fragmentation: ep and eA Theory

Thursday, 18 May 2023 08:30 (25 minutes)

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

Session Classification: Physics 3 - Morning Session Part 1 / Day 2

Contribution ID: 18

Type: **not specified**

Target Fragmentation: Experiment

Presenter: BENMOKHTAR, Fatiha (Duquesne University)

Session Classification: Physics 3 - Morning Session Part 1 / Day 2

Contribution ID: 19

Type: **not specified**

Hadronization in AA

Thursday, 18 May 2023 08:55 (50 minutes)

Presenter: KUNNAWALKAM ELAYAVALLI, Raghav (Vanderbilt University)

Session Classification: Physics 3 - Morning Session Part 1 / Day 2

Contribution ID: 20

Type: **not specified**

Nucleon & Nuclear TMDs

Thursday, 18 May 2023 09:45 (25 minutes)

Presenter: TERRY, John (UCLA)

Session Classification: Physics 3 - Morning Session Part 1 / Day 2

Contribution ID: 21

Type: **not specified**

Complementarity - H1 and Zeus at HERA

Wednesday, 17 May 2023 14:00 (25 minutes)

Presenter: WICHMANN, Katarzyna (DESY, Hamburg)

Session Classification: Detector 1 - Afternoon Session Part 1 / Day 1

Contribution ID: 22

Type: **not specified**

EIC-related Generic Detector R&D Program

Wednesday, 17 May 2023 14:25 (25 minutes)

Presenter: MACK, Dave (employee@jlab.org;member@jlab.org)

Session Classification: Detector 1 - Afternoon Session Part 1 / Day 1

Contribution ID: 23

Type: **not specified**

CPAD Detector R&D

Presenter: ASAADI, Jonathan (University of Texas at Arlington)

Session Classification: Detector 1 - Afternoon Session Part 1 / Day 1

Contribution ID: 24

Type: **not specified**

EIC Technology Inventory

Wednesday, 17 May 2023 14:50 (50 minutes)

Presenter: ULLRICH, Thomas (BNL)

Session Classification: Detector 1 - Afternoon Session Part 1 / Day 1

Contribution ID: 25

Type: **not specified**

ePIC overview

Thursday, 18 May 2023 10:30 (25 minutes)

Presenter: ZUREK, Maria (Argonne National Laboratory)

Session Classification: Detector 2 - Morning Session Part 2 / Day 2

Contribution ID: 26

Type: **not specified**

IR6 (TBC)

Presenter: DREES, Angelica (Collider-Accelerator)

Session Classification: Detector 2 - Morning Session Part 2 / Day 2

Contribution ID: 27

Type: **not specified**

IR8

Thursday, 18 May 2023 10:55 (25 minutes)

Presenter: GAMAGE, Randika (JLab)

Session Classification: Detector 2 - Morning Session Part 2 / Day 2

Contribution ID: 28

Type: **not specified**

Electromagnetic Calorimetry

Thursday, 18 May 2023 11:20 (25 minutes)

Presenter: SCHMIDT, Nicolas (Oak Ridge National Laboratory)

Session Classification: Detector 2 - Morning Session Part 2 / Day 2

Contribution ID: 29

Type: **not specified**

Hadronic Calorimetry

Thursday, 18 May 2023 11:45 (25 minutes)

Presenter: PAGE, Brian (Brookhaven National Laboratory)

Session Classification: Detector 2 - Morning Session Part 2 / Day 2

Contribution ID: **30**

Type: **not specified**

Gridpix miniTPC

Thursday, 18 May 2023 14:00 (20 minutes)

Presenter: HEMMICK, Thomas (Stony Brook University)

Session Classification: Detector 3 - Afternoon Session Part 1 / Day 2

Contribution ID: **31**

Type: **not specified**

uRWELL PICOSEC

Thursday, 18 May 2023 14:20 (20 minutes)

Presenter: GNANVO, Kondo (Jefferson Lab)

Session Classification: Detector 3 - Afternoon Session Part 1 / Day 2

Contribution ID: **32**

Type: **not specified**

AC-LGAD ToF

Thursday, 18 May 2023 14:40 (20 minutes)

Presenter: YE, Zhenyu (University of Illinois at Chicago)

Session Classification: Detector 3 - Afternoon Session Part 1 / Day 2

Contribution ID: 33

Type: **not specified**

Advanced mechanics and composites

Thursday, 18 May 2023 15:00 (20 minutes)

Presenter: JUNG, Andreas Werner (member@cern.ch)

Session Classification: Detector 3 - Afternoon Session Part 1 / Day 2

Contribution ID: **34**

Type: **not specified**

Nanowire

Thursday, 18 May 2023 15:20 (20 minutes)

Presenter: ARMSTRONG, Whitney (Argonne National Laboratory)

Session Classification: Detector 3 - Afternoon Session Part 1 / Day 2

Contribution ID: 35

Type: **not specified**

hpDIRC

Friday, 19 May 2023 14:00 (20 minutes)

Presenter: KALICY, Grzegorz (CUA)

Session Classification: Detector 4 - Afternoon Session Part 1 / Day 3

Contribution ID: 36

Type: **not specified**

Backward RICH option: pfRICH

Friday, 19 May 2023 14:20 (20 minutes)

Presenter: GARG, Prakhar (Yale University)

Session Classification: Detector 4 - Afternoon Session Part 1 / Day 3

Contribution ID: 37

Type: **not specified**

Photosensor R&D

Friday, 19 May 2023 14:40 (20 minutes)

Presenter: ILIEVA, Yordanka (University of South Carolina)

Session Classification: Detector 4 - Afternoon Session Part 1 / Day 3

Contribution ID: 38

Type: **not specified**

Design considerations and constraints for the ePIC magnetic field

Friday, 19 May 2023 15:20 (20 minutes)

Presenter: RAJPUT-GHOSHAL, Renuka (JLab)

Session Classification: Detector 4 - Afternoon Session Part 1 / Day 3

Contribution ID: 39

Type: **not specified**

An Update on HRPPD/LAPPD Application Specific Developments for EIC

Friday, 19 May 2023 15:00 (20 minutes)

Presenter: Dr LYASHENKO, Alexey (Incom Inc.)

Session Classification: Detector 4 - Afternoon Session Part 1 / Day 3

Contribution ID: 40

Type: **not specified**

Welcome

Wednesday, 17 May 2023 08:30 (5 minutes)

Presenter: SURROW, Bernd (Temple University)

Session Classification: Introduction - Morning Session Part 1 / Day 1

Contribution ID: 41

Type: **not specified**

Introduction

Wednesday, 17 May 2023 08:35 (20 minutes)

Presenter: DESHPANDE, Abhay (Stony Brook University)

Session Classification: Introduction - Morning Session Part 1 / Day 1

Contribution ID: 42

Type: **not specified**

EIC Project Perspective on a Second Detector

Wednesday, 17 May 2023 08:55 (25 minutes)

Presenter: YECK, Jim

Session Classification: Introduction - Morning Session Part 1 / Day 1

Contribution ID: 43

Type: **not specified**

EICUG Steering Committee Perspective on Path Forward

Wednesday, 17 May 2023 09:20 (25 minutes)

Presenter: FATEMI, Renee (University of Kentucky)

Session Classification: Introduction - Morning Session Part 1 / Day 1

Contribution ID: 44

Type: **not specified**

Why two detectors?

Wednesday, 17 May 2023 09:45 (25 minutes)

Presenter: GRANNIS, Paul (Stony Brook University)

Session Classification: Introduction - Morning Session Part 1 / Day 1

Contribution ID: 45

Type: **not specified**

Gluon TMD opportunity with quarkonium production at a 2nd EIC detector

Thursday, 18 May 2023 16:00 (5 minutes)

Presenter: CELIBERTO, Francesco Giovanni (UAH Madrid)

Session Classification: Flash Talks - Afternoon Session Part 2 / Day 2

Contribution ID: 46

Type: **not specified**

Search for baryon junctions in isobar collisions at EIC

Thursday, 18 May 2023 16:10 (5 minutes)

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

Session Classification: Flash Talks - Afternoon Session Part 2 / Day 2

Contribution ID: 47

Type: **not specified**

A quick review on different Semiconductor Detector Technologies used in High Energy Physics Experiments

Thursday, 18 May 2023 16:20 (5 minutes)

Presenter: KUMAR, Shyam (Universita e INFN, Bari (IT))

Session Classification: Flash Talks - Afternoon Session Part 2 / Day 2

Contribution ID: 48

Type: **not specified**

Mirror Reflectivity at Far UV - A Mirror Evaporation Facility at SBU

Thursday, 18 May 2023 16:30 (5 minutes)

Presenter: LI, Wenliang (Stony Brook University CFNS)

Session Classification: Flash Talks - Afternoon Session Part 2 / Day 2

Contribution ID: 49

Type: **not specified**

Rare Isotope Production and Detection in the Far Forward Region of IP8

Thursday, 18 May 2023 16:40 (5 minutes)

Presenter: MORAN, Brynna (Stony Brook University)

Session Classification: Flash Talks - Afternoon Session Part 2 / Day 2

Contribution ID: 50

Type: **not specified**

Overview of the Temple University MPGD lab facility

Thursday, 18 May 2023 16:50 (5 minutes)

Presenter: POSIK, Matt (Temple University)

Session Classification: Flash Talks - Afternoon Session Part 2 / Day 2

Contribution ID: 51

Type: **not specified**

Research and development for an EIC 2nd detector KLM

Thursday, 18 May 2023 17:00 (5 minutes)

Presenter: SCHNEIDER, Simon (Duke University)

Session Classification: Flash Talks - Afternoon Session Part 2 / Day 2

Contribution ID: 52

Type: **not specified**

Passive bi-Polar Grid for Ion Back-Flow suppression

Thursday, 18 May 2023 17:10 (5 minutes)

Presenter: SHULGA, Evgeny (Stony Brook University)

Session Classification: Flash Talks - Afternoon Session Part 2 / Day 2

Contribution ID: 53

Type: **not specified**

Possible tracking and PID improvements

Presenter: SMIRNOV, Nikolai (Yale University)

Session Classification: Flash Talks - Afternoon Session Part 2 / Day 2

Contribution ID: 54

Type: **not specified**

Optimization of the detection of the scattered electron in the electron-going direction

Thursday, 18 May 2023 17:20 (5 minutes)

Presenter: FATEMI, Renee (University of Kentucky)

Session Classification: Flash Talks - Afternoon Session Part 2 / Day 2

Contribution ID: 55

Type: **not specified**

Flash talk 11

Presenter: IBRAHIM ABDULHAMID, Muhammad (Tanta University and The American University in Cairo, Egypt)

Session Classification: Flash Talks - Afternoon Session Part 2 / Day 2

Contribution ID: 56

Type: **not specified**

Flash talk 12

Session Classification: Flash Talks - Afternoon Session Part 2 / Day 2