2024 RHIC/AGS Annual Users' Meeting

Report of Contributions

Welcome Remarks

Contribution ID: 284

Type: not specified

Welcome Remarks

Thursday, 13 June 2024 09:00 (10 minutes)

Presenter: HEWETT, JoAnne (Director of Brookhaven National Laboratory)Session Classification: Plenary Session I - Bldg. 488 Berkner Hall Auditorium

Opening Remarks

Contribution ID: 286

Type: not specified

Opening Remarks

Thursday, 13 June 2024 09:10 (25 minutes)

Presenter: GAO, Haiyan (BNL, Associate Laboratory Director, Nuclear and Particle Physics)Session Classification: Plenary Session I - Bldg. 488 Berkner Hall Auditorium

C-AD Report

Contribution ID: 287

Type: not specified

C-AD Report

Thursday, 13 June 2024 11:00 (25 minutes)

Presenter: HOCK, Kiel (Brookhaven National Laboratory)

STAR Run 24 Report

Contribution ID: 288

Type: not specified

STAR Run 24 Report

Thursday, 13 June 2024 11:25 (25 minutes)

Presenter: ADAM, Jaroslav (Czech Technical University)

sPHENIX Run 24 Report

Contribution ID: 289

Type: not specified

sPHENIX Run 24 Report

Thursday, 13 June 2024 11:50 (25 minutes)

Presenter: NAGLE, James (University of Colorado)

Workshop Report: Jets

Contribution ID: 290

Type: not specified

Workshop Report: Jets

Thursday, 13 June 2024 13:45 (20 minutes)

Presenter: HODGES, Anthony (University of Illinois)

Report from the NSF

Contribution ID: 292

Type: not specified

Report from the NSF

Thursday, 13 June 2024 10:05 (30 minutes)

Presenter: GREENE, Dr. Senta Victoria (Program Director, U.S. National Science Foundation)Session Classification: Plenary Session I - Bldg. 488 Berkner Hall Auditorium

Report from the DOE

Contribution ID: 293

Type: not specified

Report from the DOE

Thursday, 13 June 2024 09:35 (30 minutes)

Presenter: STEPHENSON, Dr. Sharon (Physics Research Division Director, Office of Nuclear Physics, Department of Energy)

sPHENIX Highlights

Contribution ID: 294

Type: not specified

sPHENIX Highlights

Thursday, 13 June 2024 15:20 (30 minutes)

Presenter: HEMMICK, Thomas (Stony Brook University)

Workshop Report: Heavy Flavor

Contribution ID: 295

Type: not specified

Workshop Report: Heavy Flavor

Thursday, 13 June 2024 14:05 (20 minutes)

Presenter: FRAWLEY, Anthony (Florida State University)

PHENIX Highlights

Contribution ID: 296

Type: not specified

PHENIX Highlights

Thursday, 13 June 2024 15:50 (30 minutes)

Presenter: BELMONT, Ron (University of North Carolina Greensboro)Session Classification: Plenary Session I - Bldg. 488 Berkner Hall Auditorium

STAR Highlights

Contribution ID: 297

Type: not specified

STAR Highlights

Thursday, 13 June 2024 16:20 (30 minutes)

Presenter: FENG, Yicheng (Purdue University)

Presentation of Merit & Thesis Aw...

Contribution ID: 298

Type: not specified

Presentation of Merit & Thesis Awards

Thursday, 13 June 2024 16:50 (1 minute)

Presenter: HEWETT, JoAnne (Director of Brookhaven National Laboratory)Session Classification: Plenary Session I - Bldg. 488 Berkner Hall Auditorium

EIC Project Status

Contribution ID: 299

Type: not specified

EIC Project Status

Friday, 14 June 2024 10:00 (30 minutes)

Presenter: FAST, James (Jefferson Laboratory)

ePIC: Status & Plans

Contribution ID: 300

Type: not specified

ePIC: Status & Plans

Friday, 14 June 2024 11:00 (30 minutes)

Presenter: TU, Zhoudunming (Brookhaven National Laboratory)

EIC Detector II: Status & Plans (vir ...

Contribution ID: 301

Type: not specified

EIC Detector II: Status & Plans (virtual)

Friday, 14 June 2024 11:30 (30 minutes)

Presenter: VOSSEN, Anselm (Duke University)

Report from BNL Facilities

Contribution ID: 302

Type: not specified

Report from BNL Facilities

Friday, 14 June 2024 12:00 (20 minutes)

Presenter: DANIELS, Thomas (Brookhaven National Laboratory)Session Classification: Plenary Session II - Bldg. 488 Berkner Hall Auditorium

2024 RHIC/AGS ... / Report of Contributions

Poster Awards

Contribution ID: 303

Type: not specified

Poster Awards

Friday, 14 June 2024 12:20 (5 minutes)

Presenter: ROSATI, Marzia (Iowa State University)

2024 RHIC/AGS ... / Report of Contributions

Business Meeting

Contribution ID: 304

Type: not specified

Business Meeting

Friday, 14 June 2024 12:40 (20 minutes)

Presenter: ROSATI, Marzia (Iowa State University)

Theory Overview

Contribution ID: 305

Type: not specified

Theory Overview

Wednesday, 12 June 2024 08:30 (35 minutes)

Presenter:MEHTAR-TANI, Yacine (Brookhaven National Laboratory)**Session Classification:**Jets - Bldg 488 Berkner Hall Room B

2024 RHIC/AGS ... / Report of Contributions

X-SCAPE

Contribution ID: 306

Type: not specified

X-SCAPE

Wednesday, 12 June 2024 09:05 (25 minutes)

Presenter: SINGH, Mayank (Vanderbilt University)

Session Classification: Jets - Bldg 488 Berkner Hall Room B

Jet Physics at the EIC

Contribution ID: 307

Type: not specified

Jet Physics at the EIC

Wednesday, 12 June 2024 09:30 (25 minutes)

Presenter: RINGER, Felix (UC Berkeley/LBNL)

Session Classification: Jets - Bldg 488 Berkner Hall Room B

Overview of Artificial Intelligence ...

Contribution ID: 308

Type: not specified

Overview of Artificial Intelligence at RHIC and Beyond

Tuesday, 11 June 2024 09:00 (30 minutes)

This talk will provide an overview of applications of artificial intelligence at RHIC for a variety of purposes ranging from data-taking to physics analysis. Applications ongoing and envisioned for the upcoming EIC will also be discussed.

Presenter: BOSSI, Hannah (Massachusetts Institute of Technology (MIT))

Experimental Overview

Contribution ID: 309

Type: not specified

Experimental Overview

Wednesday, 12 June 2024 10:20 (35 minutes)

Presenter: Prof. HAVENER, Laura (Yale University)

Session Classification: Jets - Bldg 488 Berkner Hall Room B

Generative AI for full-detector, ...

Contribution ID: 310

Type: not specified

Generative AI for full-detector, whole-event simulation of heavy ion collisions

Tuesday, 11 June 2024 09:30 (30 minutes)

Artificial intelligence (AI) generative models, such as generative adversarial networks (GANs), have been explored as alternatives to traditional simulations but face challenges with training instability and sparse data coverage. This study investigates the effectiveness of denoising diffusion probabilistic models (DDPMs) for full-detector, whole-event heavy-ion collision simulations as a surrogate model for the traditional Geant4 simulation method. DDPM performance in sPHENIX calorimeter simulation data is compared with GANs. DDPMs outperform GANs and exhibit superior stability and consistency across central and peripheral heavy-ion collision events. Addition-ally, DDPMs offer a substantial speedup, being approximately 100 times faster than the traditional Geant4 simulation method.

Presenter: GO, Yeonju (Brookhaven National Laboratory)

Synergies Between RHIC and LHC ...

Contribution ID: 311

Type: not specified

Synergies Between RHIC and LHC Jet Measurements

Wednesday, 12 June 2024 10:55 (25 minutes)

Presenter:BAILEY, Virginia (Georgia State University)Session Classification:Jets - Bldg 488 Berkner Hall Room B

Contribution ID: 312

Type: not specified

Interpretable Machine Learning applications to Jet Background Subtraction

Tuesday, 11 June 2024 10:00 (30 minutes)

Reconstructing jets in heavy collisions has always required dealing with the challenges of a high background environment. Traditional techniques, such as the area based method, suffered from poor resolution at low momenta due to the large fluctuating background there. In recent years, the resolution has been improved by using machine learning to estimate the background. While machine learning tends to lead to improvements in general (wherever it is applied), care must be taken to ensure these improvements do not come at the cost of interpretability or bias from models used for training. We demonstrate a middle path –using machine learning techniques to translate "black-box" models (such as neural nets) into human interpretable formulas. We present a novel application of symbolic regression to extract a functional representation of a deep neural network trained to subtract background for measurements of jets in heavy ion collisions. With this functional representation we show that the relationship learned by a neural network is approximately the same as a new background subtraction method using the particle multiplicity in a jet. We compare the multiplicity method to the deep neural network method alone, showing its increased interpretability and comparable performance. We also discuss the application of these techniques to background subtraction for jets measured at the EIC.

Presenter: HUGHES, Charles (Iowa State University)

Path-Length Dependent Energy Loss

Contribution ID: 313

Type: not specified

Path-Length Dependent Energy Loss

Wednesday, 12 June 2024 11:20 (25 minutes)

Presenter:CONNORS, Megan (Georgia State University)Session Classification:Jets - Bldg 488 Berkner Hall Room B

Contribution ID: 314

Type: not specified

Real-Time Information Distillation with Deep Neural Network-based Compression Algorithms

Tuesday, 11 June 2024 11:00 (30 minutes)

Real-time data collection and analysis in large experimental facilities pose significant challenges across multiple domains, including high-energy physics, nuclear physics, and cosmology. Machine learning (ML)-based methods for real-time data compression have garnered substantial attention as a solution. In this talk, we will explore the use of deep neural networks in designing fast compression algorithms for 3D tensor data from the Time-Projection Chamber (TPC) at the sPHENIX experiment. Specifically, we will delve into the application of Bicephalous Convolutional Neural Networks designed to handle the sparsity and discontinuity of data from the tracking detector. Additionally, we will present our recent development in utilizing sparse convolution techniques to better exploit the data's inherent sparsity. Finally, we will briefly discuss several AI hardware accelerators that we have tested to achieve high-throughput inference.

Presenter: HUANG, Yi (Brookhaven National Laboratory)

FastML triggering in sPHENIX (A ...

Contribution ID: 315

Type: not specified

FastML triggering in sPHENIX (Autonomous selection of physics events)

Tuesday, 11 June 2024 11:30 (30 minutes)

A demonstrator for separating events with a heavy flavor decay from background events in protonproton collisions with the sPHENIX detector is presented. Due to data volume limitations, sPHENIX is capable of recording 10% of the minimum-bias collisions at RHIC using streaming readout in addition to its 15 kHz hardware trigger of rare events. This demonstrator will use machine-learning algorithms on FPGAs to sample the remaining 90% of the collisions.

Presenter: DEAN, Cameron (Massachusetts Institute of Technology (MIT))

Jet Substructure

Contribution ID: 316

Type: not specified

Jet Substructure

Wednesday, 12 June 2024 11:45 (25 minutes)

Presenter:HANGAL, Dhanush (Lawrence Livermore National Laboratory (US))**Session Classification:**Jets - Bldg 488 Berkner Hall Room B

Contribution ID: 317

Type: not specified

Machine Learning Application in Jet Quenching Analysis

Tuesday, 11 June 2024 12:00 (30 minutes)

Measurements of jet substructure in ultra-relativistic heavy ion collisions suggest that the jet showering process is modified by interaction with the quark gluon plasma. Modifications of the hard substructure of jets can be explored using modern data-driven techniques. In this study, we use a machine learning approach to identify jet quenching amounts. Jet showering processes, both with and without the quenching effect, are simulated using the JEWEL Monte-Carlo event generator and embedded with uncorrelated backgrounds simulated using the ANGANTYR module within the PYTHIA event generator. Sequential substructure variables are extracted from the jet clustering history in an angular-ordered sequence and are used in the training of a neural network based on a long short-term memory network. To understand the detector effects on the efficacy of machine learning, we employed DELPHES-3.5.0 for rapid simulation of CMS detectors, providing reconstructed tracks and neutral particles similar to the particle flow candidates in CMS data. We measured the jet shape and jet fragmentation functions for jets classified by the neural network outputs and quantified their in-medium modifications. We validated that, even with detector effects and a large uncorrelated background of soft particles created in heavy ion collisions, the neural network is still able to learn from the desired features of jet quenching physics

Presenter: WU, Yilun (Vanderbilt University)

AI/ML applications for the EIC (Vi ...

Contribution ID: 318

Type: not specified

AI/ML applications for the EIC (Virtual)

Tuesday, 11 June 2024 13:30 (30 minutes)

The Electron-Ion Collider, a state-of-the-art facility for studying the strong force, is expected to begin commissioning its first experiments in early 2030. Artificial intelligence and machine learning are being incorporated from the beginning at this facility and will continue to be used throughout all phases leading up to the experiments. In this talk, I will highlight a few examples of AI/ML activities that may impact the science of the future EIC.

Presenter: FANELLI, Cristiano (College of William & Mary)

Contribution ID: 319

Type: not specified

Towards ML Calibration with the ePIC Barrel Hadronic Calorimeter

Tuesday, 11 June 2024 14:00 (30 minutes)

Measurement of jets and their substructure will provide valuable information about the underlying dynamics of hard-scattered quarks and gluons in Deep-Inelastic Scattering events. The ePIC Barrel Hadronic Calorimeter (BHCal) will be a critical tool for such measurements at the Electron-Ion Collider. By enabling the measurement of the neutral hadronic component of jets, the BHCal will complement the Barrel Imaging Calorimeter (BIC) and the ePIC tracking system to improve our knowledge of the jet energy scale. However, to obtain a physically meaningful measurement, the response of the combined BIC + BHCal system must be properly calibrated using information from both. We present a potential Machine Learning (ML) based algorithm for the calibration of the combined system. With ML, this calibration can be done in such a way that is both computationally efficient and easy to deploy in a production environment, making such an approach ideal for quasi-real time calibrations needed in a streaming readout environment. We will discuss progress towards its implementation as well as the role it might play in a broader ML-based Particle Flow Algorithm.

Presenter: ANDERSON, Derek (Iowa State University)

Machine Learning Applications for ...

Contribution ID: 320

Type: not specified

Machine Learning Applications for EBIS Beam Intensity and RHIC Luminosity Maximization

Tuesday, 11 June 2024 14:30 (30 minutes)

In this talk, we present some results about EBIS beam intensity and RHIC luminosity online and offline optimization, using the machine learning packages GPTune and XGBoost.

Presenter: GU, Xiaofeng (Collider Accelerator Department, BNL)

Machine learning applications in p...

Contribution ID: 321

Type: not specified

Machine learning applications in particle accelerators

Tuesday, 11 June 2024 15:30 (30 minutes)

Discussion and examples of Bayesian optimization, Reinforcement learning, and future planning for particle accelerators.

Presenter: GAO, Yuan (Collider Accelerator Department, BNL)

Session Classification: Computing, Machine Learning, & AI - Building 463, John Dunn Seminar Room

MultiFold

Contribution ID: 322

Type: not specified

MultiFold

Tuesday, 11 June 2024 16:00 (30 minutes)

MultiFold is a machine-learning based technique that can correct for detector effects for multiple observables in an unbinned manner. In this talk, we discuss how MultiFold works, highlight its applications in several experiments, and introduce resources available to get started on using it.

Presenter: SONG, Youqi (Yale University)

Session Classification: Computing, Machine Learning, & AI - Building 463, John Dunn Seminar Room

Adventures in OmniFold: Multiva...

Contribution ID: 323

Type: not specified

Adventures in OmniFold: Multivariable Unfolding of Jet-Level Observables with STAR Data (Virtual)

Tuesday, 11 June 2024 16:30 (30 minutes)

OmniFold, the full phase space application of MultiFold, is an unbinned way of correcting multiple observables for detector effects simultaneously using machine learning. As these dependencies are typically addressed in a binned, observable-by-observable fashion, OmniFold presents a novel alternative. In this talk, we present the OmniFold method and a direct application of it to jet-level STAR data.

Presenter: HARRISON, Hannah (University of Kentucky)

Session Classification: Computing, Machine Learning, & AI - Building 463, John Dunn Seminar Room

Highlights from the STAR experim ...

Contribution ID: 324

Type: not specified

Highlights from the STAR experiment on flow measurements

Tuesday, 11 June 2024 10:45 (25 minutes)

Presenter: SINHA, Priyanshi (IISER Tirupati)

Highlights from the PHENIX expe ...

Contribution ID: 325

Type: not specified

Highlights from the PHENIX experiment on flow measurements

Tuesday, 11 June 2024 11:10 (25 minutes)

Presenter: MITRANKOV, Yuri (Stony Brook University)

Highlights from the sPHENIX exp...

Contribution ID: 326

Type: not specified

Highlights from the sPHENIX experiment on flow measurements

Tuesday, 11 June 2024 11:35 (25 minutes)

Presenter: UMAKA, Ejiro (Brookhaven National Laboratory)

Theoretical highlights on anisotro ...

Contribution ID: 327

Type: not specified

Theoretical highlights on anisotropic flow calculations

Tuesday, 11 June 2024 15:45 (25 minutes)

Presenter: Dr WU, Xiang-Yu (McGill University)

New flow observables from BSQ c ...

Contribution ID: 328

Type: not specified

New flow observables from BSQ charge fluctuations

Tuesday, 11 June 2024 16:10 (25 minutes)

Presenter: SALINAS SAN MARTIN, Jordi (University of Illinois at Urbana-Champaign)

The small system flow measureme ...

Contribution ID: 330

Type: not specified

The small system flow measurements from the STAR experiment at RHIC

Tuesday, 11 June 2024 14:00 (25 minutes)

Presenter: YAN, Zhengxi (Stony Brook University)

The small system flow measureme ...

Contribution ID: 331

Type: not specified

The small system flow measurements from the PHENIX experiment at RHIC

Tuesday, 11 June 2024 14:25 (25 minutes)

Presenter: LIM , Sanghoon (Pusan University)

Theoretical progress in small syste ...

Contribution ID: 332

Type: not specified

Theoretical progress in small systems calculations

Tuesday, 11 June 2024 15:20 (25 minutes)

Presenter: ZHAO, Wenbin (Brookhaven National Laboratory)

Vorticity measurements from the S ...

Contribution ID: 333

Type: not specified

Vorticity measurements from the STAR experiment at RHIC

Tuesday, 11 June 2024 09:00 (25 minutes)

Presenter: GOU, Xingrui (Shandong University)

Experimental Overview of the Spi ...

Contribution ID: 335

Type: not specified

Experimental Overview of the Spin Alignment and Electromagnetic Field Effect Observations at RHIC

Tuesday, 11 June 2024 09:25 (25 minutes)

Presenter: SHEN, Diyu (Fudan University)

"Spin puzzle" spins back

Contribution ID: 336

Type: not specified

"Spin puzzle" spins back

Tuesday, 11 June 2024 09:50 (25 minutes)

Presenter: Dr YIN, Yi (Institute of modern physics chinese academy of sciences)

2024 RHIC/AGS ... / Report of Contributions

Introduction

Contribution ID: 337

Type: not specified

Introduction

Wednesday, 12 June 2024 09:00 (10 minutes)

Presenters: FRAWLEY, Anthony (Florida State University); OLIVEIRA DA SILVA, Antonio Carlos (Iowa State University)

Open Heavy-Flavor Physics - STAR

Contribution ID: 338

Type: not specified

Open Heavy-Flavor Physics - STAR

Wednesday, 12 June 2024 09:10 (30 minutes)

Presenter: LOMICKY, Ondrej (Czech Technical University in Prague)Session Classification: Heavy Flavor - Bldg. 490 Medical Conference Room

Open Heavy-Flavor Physics - PHE ...

Contribution ID: 339

Type: not specified

Open Heavy-Flavor Physics - PHENIX

Wednesday, 12 June 2024 09:40 (30 minutes)

Presenter: RICHFORD, Daniel (City University of New York)Session Classification: Heavy Flavor - Bldg. 490 Medical Conference Room

Open Heavy-Flavor Physics - sPH...

Contribution ID: 341

Type: not specified

Open Heavy-Flavor Physics - sPHENIX

Wednesday, 12 June 2024 10:30 (30 minutes)

Presenter: MARSHALL, Thomas (University of California - Los Angels)Session Classification: Heavy Flavor - Bldg. 490 Medical Conference Room

Open Heavy-Flavor Physics - LHC

Contribution ID: 342

Type: not specified

Open Heavy-Flavor Physics - LHC

Wednesday, 12 June 2024 11:00 (30 minutes)

Presenter: DHANKHER, Preeti (University of California Berkeley)Session Classification: Heavy Flavor - Bldg. 490 Medical Conference Room

Heavy-Flavor Jets - sPHENIX

Contribution ID: 343

Type: not specified

Heavy-Flavor Jets - sPHENIX

Wednesday, 12 June 2024 11:30 (30 minutes)

Presenter: KVAPIL, Jakub (Los Alamos National Laboratory)Session Classification: Heavy Flavor - Bldg. 490 Medical Conference Room

HF Quarkonium Physics - STAR

Contribution ID: 344

Type: not specified

HF Quarkonium Physics - STAR

Wednesday, 12 June 2024 13:00 (30 minutes)

Presenter: ZHANG, Wei (South China Normal University)Session Classification: Heavy Flavor - Bldg. 490 Medical Conference Room

HF Quarkonium Physics - PHENIX

Contribution ID: 345

Type: not specified

HF Quarkonium Physics - PHENIX

Wednesday, 12 June 2024 13:30 (30 minutes)

Presenter: LIU, Ming (Los Alamos National Laboratory)

HF Quarkonium Physics - sPHENIX

Contribution ID: 346

Type: not specified

HF Quarkonium Physics - sPHENIX

Wednesday, 12 June 2024 14:00 (30 minutes)

Presenter: ROSATI, Marzia (Iowa State University)

HF Quarkonium Physics - LHC

Contribution ID: 347

Type: not specified

HF Quarkonium Physics - LHC

Wednesday, 12 June 2024 14:30 (30 minutes)

Presenter: KIM, Minjung (UC Berkeley)

BES Overview

Contribution ID: 349

Type: not specified

BES Overview

Wednesday, 12 June 2024 09:15 (30 minutes)

Presenter: RUAN, Lijuan (Brookhaven National Laboratory)

2024 RHIC/AGS ... / Report of Contributions

Opening Remarks

Contribution ID: 350

Type: not specified

Opening Remarks

Wednesday, 12 June 2024 09:00 (15 minutes)

Endcap Time-of-Flight Detector in ...

Contribution ID: 351

Type: not specified

Endcap Time-of-Flight Detector in BES

Wednesday, 12 June 2024 09:45 (30 minutes)

Presenter: SOEHNGEN, Yannick (University of Heidelberg)

Hypernuclei Production

Contribution ID: 352

Type: not specified

Hypernuclei Production

Wednesday, 12 June 2024 10:30 (30 minutes)

Presenter: VASSILIEV, Iouri (GSI Helmholtzzentrum fur Schwerionenforschung GmbH)Session Classification: Beam Energy Scan - Bldg. 510 Physics Large Conference Room

BES Theory Overview

Contribution ID: 353

Type: not specified

BES Theory Overview

Wednesday, 12 June 2024 11:00 (30 minutes)

Presenter: ALMAALOL, Dekra (University of Illinois at Urbana-Champaign)

High-Order Moments and EoS The ...

Contribution ID: 354

Type: not specified

High-Order Moments and EoS Theory Overview

Wednesday, 12 June 2024 11:30 (30 minutes)

Presenter:VOVCHENKO, Volodymyr (Lawrence Berkeley National Laboratory)Session Classification:Beam Energy Scan - Bldg. 510 Physics Large Conference Room

Dielectron Analysis in BES

Contribution ID: 355

Type: not specified

Dielectron Analysis in BES

Wednesday, 12 June 2024 14:00 (30 minutes)

Presenter: JIN, Chenliang (Rice University)

Fluctuations in BES Overview

Contribution ID: 356

Type: not specified

Fluctuations in BES Overview

Wednesday, 12 June 2024 14:30 (30 minutes)

Presenter: HUANG, Yige (CCNU IOPP STAR)

Flow in BES Overview

Contribution ID: 357

Type: not specified

Flow in BES Overview

Wednesday, 12 June 2024 15:00 (30 minutes)

Presenter: DUCKWORTH, Emilie (Kent State University)

Polarization/Femtoscopy Overview

Contribution ID: 358

Type: not specified

Polarization/Femtoscopy Overview

Wednesday, 12 June 2024 15:45 (45 minutes)

Presenter: LISA, Michael (Ohio State University)

Magnetic Field Effect in v1 Splittin...

Contribution ID: 359

Type: not specified

Magnetic Field Effect in v1 Splitting in BES

Wednesday, 12 June 2024 16:30 (30 minutes)

Presenter: DASH, Aditya Prasad (University of California Los Angeles)

2024 RHIC/AGS ... / Report of Contributions

CME Overview

Contribution ID: 360

Type: not specified

CME Overview

Wednesday, 12 June 2024 17:00 (30 minutes)

Presenter: FENG, Yicheng (Purdue University)

STAR Foward Systems and Related ...

Contribution ID: 361

Type: not specified

STAR Foward Systems and Related Topics

Tuesday, 11 June 2024 13:00 (30 minutes)

Presenter: LIANG, Xilin (University of California, Riverside)

Highlights from the PHENIX

Contribution ID: 362

Type: not specified

Highlights from the PHENIX

Tuesday, 11 June 2024 13:30 (30 minutes)

Presenter: LOOMIS, Devon (University of Michigan, Ann Arbor)

Propects with the sPHENIX

Contribution ID: 363

Type: not specified

Propects with the sPHENIX

Tuesday, 11 June 2024 14:00 (30 minutes)

Presenter: NUKAZUKA, Genki (RIKEN BNL Research Center)

Entanglement in UPC Collisions

Contribution ID: 364

Type: not specified

Entanglement in UPC Collisions

Tuesday, 11 June 2024 15:00 (30 minutes)

Presenter: DUAN, Haowu (North Carolina State University)

UPC Flow and Baryon Junction

Contribution ID: 365

Type: not specified

UPC Flow and Baryon Junction

Tuesday, 11 June 2024 15:30 (30 minutes)

Presenter: TRIBEDY, Prithwish (Brookhaven National Laboratory)

UPC Photoproduction at RHIC

Contribution ID: 366

Type: not specified

UPC Photoproduction at RHIC

Tuesday, 11 June 2024 16:00 (30 minutes)

Presenter: SHEIKH, Ashik Ikbal (Kent State University)

Midrapidity Measurements Highli...

Contribution ID: 367

Type: not specified

Midrapidity Measurements Highlighting Lambda (Virtual)

Tuesday, 11 June 2024 16:30 (30 minutes)

Presenter: VANEK, Jan (Brookhaven National Laboratory)

Helicity Correlation of Lambda Hy...

Contribution ID: 368

Type: not specified

Helicity Correlation of Lambda Hyperons at UPC and EIC

Tuesday, 11 June 2024 17:00 (30 minutes)

Presenter: WEI, Shu-yi

Spin/Cold-QCD Theory Towards EIC

Contribution ID: 369

Type: not specified

Spin/Cold-QCD Theory Towards **EIC**

Tuesday, 11 June 2024 17:30 (30 minutes)

Presenter: ZHOU, Yiyu (South China Normal University)

Particle Suppression in AA and p/...

Contribution ID: 370

Type: not specified

Particle Suppression in AA and p/dA Collisions Including Short Path Length Corrections

Thursday, 13 June 2024 14:25 (30 minutes)

Presenter: HOROWITZ, William (University of Cape Town)Session Classification: Plenary Session I - Bldg. 488 Berkner Hall Auditorium

Workshop Report: Computing, Ma ...

Contribution ID: 371

Type: not specified

Workshop Report: Computing, Machine Learning, & Al

Thursday, 13 June 2024 17:10 (20 minutes)

Presenter: MENGEL, Tanner (University of Tennessee (UTK))

Session Classification: Plenary Session I - Bldg. 488 Berkner Hall Auditorium

Workshop Report: Flow & Vorticity

Contribution ID: 372

Type: not specified

Workshop Report: Flow & Vorticity

Friday, 14 June 2024 09:00 (20 minutes)

Presenter: (MAGDY) ABDELRAHMAN, Niseem (University of Tennessee, Knoxville) **Session Classification:** Plenary Session II - Bldg. 488 Berkner Hall Auditorium

Workshop Report: Beam Energy S...

Contribution ID: 373

Type: not specified

Workshop Report: Beam Energy Scan

Friday, 14 June 2024 09:20 (20 minutes)

Presenter: KHYZHNIAK, Yevheniia (Ohio State University)

Session Classification: Plenary Session II - Bldg. 488 Berkner Hall Auditorium

Workshop Report: Cold QCD, Spin ...

Contribution ID: 374

Type: not specified

Workshop Report: Cold QCD, Spin Physics, & UPCs from RHIC to the EIC

Friday, 14 June 2024 09:40 (20 minutes)

Presenters: BRANDENBURG, Daniel (Ohio State University); NAM, Jae (Temple University)Session Classification: Plenary Session II - Bldg. 488 Berkner Hall Auditorium

2024 RHIC/AGS ... / Report of Contributions

Introduction

Contribution ID: 375

Type: not specified

Introduction

Wednesday, 12 June 2024 14:30 (10 minutes)

Presenter: FRANTZ, Justin (Ohio University)

DEI Updates at the Lab

Contribution ID: 376

Type: not specified

DEI Updates at the Lab

Wednesday, 12 June 2024 14:40 (25 minutes)

Presenter: BLACKBURN, Noel (Brookhaven National Laboratory)

APS-IDEA: Facilitating Communit ...

Contribution ID: 377

Type: not specified

APS-IDEA: Facilitating Community Transformation.

Wednesday, 12 June 2024 15:05 (25 minutes)

Presenter: CLARK, Dessie Lee (University of Wisconsin)

Discussion about DEI Strategies in ...

Contribution ID: 378

Type: not specified

Discussion about DEI Strategies in RHI for the Future

Wednesday, 12 June 2024 15:30 (35 minutes)

Career Directions: From heavy ion ...

Contribution ID: 379

Type: not specified

Career Directions: From heavy ion physics to quant trading

Wednesday, 12 June 2024 16:20 (20 minutes)

advice from a PHENIX 2006-10 alumn and Hedge Fund co-founder

Presenter: WEI, Rui (Scientech LLC)

2024 RHIC/AGS ... / Report of Contributions

Career Directions

Contribution ID: 380

Type: not specified

Career Directions

Wednesday, 12 June 2024 16:40 (20 minutes)

advice from a Data Scientist

Presenter: RUNCHEY, Jonathan (Home Depot)

2024 RHIC/AGS ... / Report of Contributions

Career Directions

Contribution ID: 381

Type: not specified

Career Directions

Wednesday, 12 June 2024 17:00 (20 minutes)

advice from a PET detector scientist

Presenter: SUBEDI, Shiv Kumar (Canon Medical Research)

Open dissection on flow and collec ...

Contribution ID: 382

Type: not specified

Open dissection on flow and collectively in small collision systems

Tuesday, 11 June 2024 16:35 (25 minutes)

Presenters: Dr (MAGDY) ABDELRAHMAN, Niseem (University of Tennessee, Knoxville); HU, Yu (Lawrence Berkeley National Laboratory)

Session Classification: Flow & Vorticity - Bldg. 510, Physics Large Seminar Room and Bldg 490, Medical Large Conference Room

Poster Flash Talk

Contribution ID: 383

Type: not specified

Poster Flash Talk

Friday, 14 June 2024 12:25 (15 minutes)

Presenter: SWEGER, Zachary (University of California, Davis)

Session Classification: Plenary Session II - Bldg. 488 Berkner Hall Auditorium

2024 RHIC/AGS ... / Report of Contributions

Group Picture

Contribution ID: 384

Type: not specified

Group Picture

Thursday, 13 June 2024 12:15 (5 minutes)

Session Classification: Plenary Session I - Bldg. 488 Berkner Hall Auditorium

Dinner at Painters' Restaurant at 6 ...

Contribution ID: 385

Type: not specified

Dinner at Painters' Restaurant at 6:00 p.m. Reservations Required

Wednesday, 12 June 2024 17:25 (1 minute)

Thesis Award Winner

Contribution ID: 386

Type: not specified

Thesis Award Winner

Thursday, 13 June 2024 17:00 (5 minutes)

Presenter: PANDAV, Ashish (NISER Bhubaneswar)

Session Classification: Plenary Session I - Bldg. 488 Berkner Hall Auditorium

Thesis Award Winner

Contribution ID: 387

Type: not specified

Thesis Award Winner

Thursday, 13 June 2024 16:55 (5 minutes)

Presenter: NEFF, Dylan (CEA-Saclay)

Session Classification: Plenary Session I - Bldg. 488 Berkner Hall Auditorium