

2023 RHIC/AGS Annual Users' Meeting

Report of Contributions

Contribution ID: **196**

Type: **not specified**

Welcome Remarks

Thursday, 3 August 2023 09:00 (10 minutes)

Presenter: HEWETT, JoAnne (Brookhaven National Laboratory, Lab Director)

Session Classification: Plenary Session I.A - Marzia Rosati, UEC Chair-Elect, Iowa State University - Berkner Hall Auditorium

Contribution ID: 197

Type: **not specified**

Nuclear Physics at BNL - via Zoom

Thursday, 3 August 2023 09:10 (25 minutes)

Presenter: GAO, Haiyan (Brookhaven National Laboratory, Associate Laboratory Director for Nuclear & Particle Physics)

Session Classification: Plenary Session I.A - Marzia Rosati, UEC Chair-Elect, Iowa State University - Berkner Hall Auditorium

Contribution ID: **198**

Type: **not specified**

C.A.D. Run 23 Report

Thursday, 3 August 2023 09:35 (25 minutes)

Presenter: SHREY, Travis (Brookhaven National Laboratory, CAD Run 23 Coordinator)

Session Classification: Plenary Session I.A - Marzia Rosati, UEC Chair-Elect, Iowa State University - Berkner Hall Auditorium

Contribution ID: **199**

Type: **not specified**

sPHENIX Run 23 Report

Thursday, 3 August 2023 10:00 (25 minutes)

Presenter: BATHE, Stefan (Baruch College, CUNY, & RBRC)

Session Classification: Plenary Session I.A - Marzia Rosati, UEC Chair-Elect, Iowa State University - Berkner Hall Auditorium

Contribution ID: **200**

Type: **not specified**

STAR Run 23 Report

Thursday, 3 August 2023 10:25 (25 minutes)

Presenter: TU, Kong (Brookhaven National Laboratory)

Session Classification: Plenary Session I.A - Marzia Rosati, UEC Chair-Elect, Iowa State University - Berkner Hall Auditorium

Contribution ID: **202**

Type: **not specified**

Report from DOE

Thursday, 3 August 2023 11:15 (30 minutes)

Presenter: HALLMAN, Timothy (Department of Energy, Office of Nuclear Physics)

Session Classification: Plenary Session I.B - Xuan Li, Los Alamos National Laboratory

Contribution ID: 203

Type: **not specified**

Beam Energy Scan Theory

Thursday, 3 August 2023 11:45 (30 minutes)

Presenter: STEPHANOV, Mikhail (University of Illinois at Chicago)

Session Classification: Plenary Session I.B - Xuan Li, Los Alamos National Laboratory

Contribution ID: 205

Type: **not specified**

Annual Users' Meeting Group Picture

Thursday, 3 August 2023 12:15 (15 minutes)

Session Classification: Plenary Session I.B - Xuan Li, Los Alamos National Laboratory

Contribution ID: **206**

Type: **not specified**

QGP Theory Talk

Thursday, 3 August 2023 14:00 (25 minutes)

Presenter: MEHTAR-TANI, Yacine (Brookhaven National Laboratory)

Session Classification: Plenary Session I.C - Megan Connors, Georgia State University

Contribution ID: 207

Type: **not specified**

Report on the DOE Program for Heavy Ions - via Zoom

Thursday, 3 August 2023 14:25 (25 minutes)

Presenter: HICKS, Kenneth (Department of Energy, Program Manager of Heavy Ion Nuclear Physics)

Session Classification: Plenary Session I.C - Megan Connors, Georgia State University

Contribution ID: **208**

Type: **not specified**

PHENIX Highlights

Thursday, 3 August 2023 15:20 (30 minutes)

Presenter: NOICER, Rachid (Brookhaven National Laboratory)

Session Classification: Plenary Session I.D - Zhenyu Ye, UEC Chair, University of Illinois at Chicago

Contribution ID: **209**

Type: **not specified**

sPHENIX Highlights

Thursday, 3 August 2023 15:50 (30 minutes)

Presenter: SICKLES, Anne (University of Illinois)

Session Classification: Plenary Session I.D - Zhenyu Ye, UEC Chair, University of Illinois at Chicago

Contribution ID: **210**

Type: **not specified**

STAR Highlights

Thursday, 3 August 2023 16:20 (30 minutes)

Presenter: MA, Rongrong (Brookhaven National Laboratory)

Session Classification: Plenary Session I.D - Zhenyu Ye, UEC Chair, University of Illinois at Chicago

Contribution ID: **211**

Type: **not specified**

Merit Awards & Thesis Awards

Thursday, 3 August 2023 16:50 (30 minutes)

Presenter: HEWETT, JoAnne (Brookhaven National Laboratory, Lab Director)

Session Classification: Plenary Session I.D - Zhenyu Ye, UEC Chair, University of Illinois at Chicago

Contribution ID: 212

Type: **not specified**

Thesis Award Flash Talk I

Thursday, 3 August 2023 17:20 (20 minutes)

Presenter: HODGES, Anthony (University of Illinois)

Session Classification: Plenary Session I.D - Zhenyu Ye, UEC Chair, University of Illinois at Chicago

Contribution ID: 213

Type: **not specified**

Thesis Award Flash Talk II - via Zoom

Thursday, 3 August 2023 17:40 (20 minutes)

Presenter: ZHANG, Dingwei

Session Classification: Plenary Session I.D - Zhenyu Ye, UEC Chair, University of Illinois at Chicago

Contribution ID: 214

Type: **not specified**

Report from NSF - via Zoom - Talk Cancelled

Friday, 4 August 2023 09:00 (20 minutes)

Presenter: OPPER, Allena (National Science Foundation, Program Director)

Session Classification: Plenary Session II.A - Rosi Reed, Lehigh University - Berkner Hall Auditorium

Contribution ID: 215

Type: **not specified**

EIC Theory Talk

Friday, 4 August 2023 09:20 (25 minutes)

Presenter: SCHENKE, Bjoern (Brookhaven National Laboratory)

Session Classification: Plenary Session II.A - Rosi Reed, Lehigh University - Berkner Hall Auditorium

Contribution ID: **216**

Type: **not specified**

EIC Accelerator Development

Friday, 4 August 2023 09:45 (25 minutes)

Presenter: WILLEKE, Ferdinand (Brookhaven National Laboratory)

Session Classification: Plenary Session II.A - Rosi Reed, Lehigh University - Berkner Hall Auditorium

Contribution ID: **217**

Type: **not specified**

EIC Project Status - via Zoom

Friday, 4 August 2023 10:10 (20 minutes)

Presenter: YECK, James (Brookhaven National Laboratory, Associate Laboratory Director for EIC)

Session Classification: Plenary Session II.A - Rosi Reed, Lehigh University - Berkner Hall Auditorium

Contribution ID: **218**

Type: **not specified**

ePIC talk

Friday, 4 August 2023 11:00 (30 minutes)

Presenter: BRANDENBURG, Daniel (Ohio State University)

Session Classification: Plenary Session II.B - Marzia Rosati, UEC Chair- Elect. Iowa State University

Contribution ID: **219**

Type: **not specified**

Detector 2 talk

Friday, 4 August 2023 11:30 (30 minutes)

Presenter: LI, Wenliang (Jefferson Lab)

Session Classification: Plenary Session II.B - Marzia Rosati, UEC Chair- Elect. Iowa State University

Contribution ID: 220

Type: **not specified**

Discovery Park & Facilities

Friday, 4 August 2023 12:00 (20 minutes)

Presenter: CANNELLA, Steven (Brookhaven National Laboratory, Manger Campus Planning & Development Office)

Session Classification: Plenary Session II.B - Marzia Rosati, UEC Chair- Elect. Iowa State University

Contribution ID: 221

Type: **not specified**

Poster Awards - & Flash Talk (TBD)

Friday, 4 August 2023 12:20 (20 minutes)

Presenters: ZAKHAROV, Vladislav (Stony Brook University & BNL); YE, Zhenyu (University of Illinois at Chicago)

Session Classification: Plenary Session II.B - Marzia Rosati, UEC Chair- Elect. Iowa State University

Contribution ID: 222

Type: **not specified**

Business Meeting, UEC Elections

Friday, 4 August 2023 12:40 (20 minutes)

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

Session Classification: Plenary Session II.B - Marzia Rosati, UEC Chair- Elect. Iowa State University

Contribution ID: 223

Type: **not specified**

FPGA Driven Machine Learning for Heavy Flavour Event Identification (remote)

Tuesday, 1 August 2023 14:30 (30 minutes)

Presenter: Dr KVAPIL, Jakub (Los Alamos National Laboratory)

Session Classification: AI/ML in Nuclear Physics - Building 490, Large Conference Room

Contribution ID: 224

Type: **not specified**

A Closed-Form, Differentiable Metric on Event (remote)

Tuesday, 1 August 2023 10:00 (30 minutes)

Presenter: Dr LARKOSKI, Andrew (UCLA)

Session Classification: AI/ML in Nuclear Physics - Building 490, Large Conference Room

Contribution ID: 225

Type: **not specified**

AI Based Reconstruction for Highly Granular Hadronic Calorimeter for EIC (remote)

Tuesday, 1 August 2023 13:30 (30 minutes)

Presenter: Dr KARKI, Bishnu (University of California, Riverside)

Session Classification: AI/ML in Nuclear Physics - Building 490, Large Conference Room

Contribution ID: 226

Type: **not specified**

ML Technique Overview in Nuclear or High Energy Physics (local)

Tuesday, 1 August 2023 09:00 (30 minutes)

Presenter: Dr REN, Yihui (Ray)

Session Classification: AI/ML in Nuclear Physics - Building 490, Large Conference Room

Contribution ID: 227

Type: **not specified**

Tracking with a Graph Neural Network (remote)

Tuesday, 1 August 2023 11:30 (30 minutes)

Presenter: Dr ROUGIER , Charline (ATLAS)

Session Classification: AI/ML in Nuclear Physics - Building 490, Large Conference Room

Contribution ID: 228

Type: **not specified**

Interpretable Machine Learning Methods for Jet Background Subtraction in Heavy Ion Collisions

Tuesday, 1 August 2023 11:00 (30 minutes)

Presenter: Mr MENGEL, Tanner (University of Tennessee)

Session Classification: AI/ML in Nuclear Physics - Building 490, Large Conference Room

Contribution ID: 229

Type: **not specified**

Construction and Fitting of a Deep Generative Hadronization Model (remote)

Tuesday, 1 August 2023 09:30 (30 minutes)

Presenter: Dr SIODMOK, Andrzej Konrad (CERN)

Session Classification: AI/ML in Nuclear Physics - Building 490, Large Conference Room

Contribution ID: 230

Type: **not specified**

ML- enabled End-to-End Tracking Reconstruction and Trigger Detection

Tuesday, 1 August 2023 13:00 (30 minutes)

Presenter: BORCA-TASCIUC, Giorgian (Stony Brook University)

Session Classification: AI/ML in Nuclear Physics - Building 490, Large Conference Room

Contribution ID: 231

Type: **not specified**

Recent Theoretical Developments on Jets

Wednesday, 2 August 2023 09:00 (40 minutes)

Presenter: BARATA, João (BNL/IGFAE)

Session Classification: HF/Jets - Building 510, Physics Large Conference Room

Contribution ID: 232

Type: **not specified**

Recent Jet Results from STAR

Wednesday, 2 August 2023 09:40 (25 minutes)

Presenter: ROY, Diptanil (Rutgers University, New Jersey)

Session Classification: HF/Jets - Building 510, Physics Large Conference Room

Contribution ID: 233

Type: **not specified**

Jet Quenching

Wednesday, 2 August 2023 10:25 (30 minutes)

Presenter: SHI, Shuzhe (McGill University)

Session Classification: HF/Jets - Building 510, Physics Large Conference Room

Contribution ID: 234

Type: **not specified**

Progress Toward Jet Physics Measurements in sPHENIX

Wednesday, 2 August 2023 10:55 (25 minutes)

Presenter: HODGES, Anthony (University of Illinois)

Session Classification: HF/Jets - Building 510, Physics Large Conference Room

Contribution ID: 235

Type: **not specified**

LHC Jet Perspectives

Wednesday, 2 August 2023 11:20 (25 minutes)

Presenter: FAN, Wenqing (Lawrence Berkeley National Laboratory)

Session Classification: HF/Jets - Building 510, Physics Large Conference Room

Contribution ID: 236

Type: **not specified**

Recent Heavy Flavor Results from STAR

Wednesday, 2 August 2023 13:45 (25 minutes)

Presenter: PROZOROVA, Veronika

Session Classification: HF/Jets - Building 510, Physics Large Conference Room

Contribution ID: 238

Type: **not specified**

Recent Jet and Heavy Flavor Results from PHENIX

Wednesday, 2 August 2023 14:10 (30 minutes)

Presenter: RICHFORD, Daniel (Baruch)

Session Classification: HF/Jets - Building 510, Physics Large Conference Room

Contribution ID: 239

Type: **not specified**

Heavy Flavor Energy Loss with JETSCAPE

Wednesday, 2 August 2023 14:40 (25 minutes)

Presenter: VUJANOVIC, Gojko (Wayne State University)

Session Classification: HF/Jets - Building 510, Physics Large Conference Room

Contribution ID: 240

Type: **not specified**

LHC Quarkonia Perspectives

Wednesday, 2 August 2023 15:25 (25 minutes)

Presenter: PARK, JaeBeom

Session Classification: HF/Jets - Building 510, Physics Large Conference Room

Contribution ID: 241

Type: **not specified**

Progress Toward Heavy Flavor Measurements in sPHENIX

Wednesday, 2 August 2023 15:50 (25 minutes)

Presenter: OLIVEIRA DA SILVA, Antonio Carlos (Iowa State University)

Session Classification: HF/Jets - Building 510, Physics Large Conference Room

Contribution ID: 242

Type: **not specified**

End of Workshop

Wednesday, 2 August 2023 16:15 (1 minute)

Session Classification: HF/Jets - Building 510, Physics Large Conference Room

Contribution ID: 243

Type: **not specified**

Opening Remarks

Wednesday, 2 August 2023 09:00 (15 minutes)

Session Classification: Beam Energy Scan - Building 488, Berkner Hall Room B

Contribution ID: 244

Type: **not specified**

BES Overview

Wednesday, 2 August 2023 09:15 (30 minutes)

Presenter: CEBRA, Daniel (University of California, Davis)

Session Classification: Beam Energy Scan - Building 488, Berkner Hall Room B

Contribution ID: 245

Type: **not specified**

Fentoscopy at BES

Wednesday, 2 August 2023 09:45 (30 minutes)

Presenter: KHYZHNIAK , Yevheniia

Session Classification: Beam Energy Scan - Building 488, Berkner Hall Room B

Contribution ID: 246

Type: **not specified**

Flow at BES

Wednesday, 2 August 2023 10:30 (30 minutes)

Presenter: RACZ, Cameron (University of California @ Riverside)

Session Classification: Beam Energy Scan - Building 488, Berkner Hall Room B

Contribution ID: 247

Type: **not specified**

BES CME

Wednesday, 2 August 2023 11:00 (30 minutes)

Presenter: XU, Zhiwan

Session Classification: Beam Energy Scan - Building 488, Berkner Hall Room B

Contribution ID: **248**

Type: **not specified**

BES Dileptons

Wednesday, 2 August 2023 12:00 (30 minutes)

Presenter: YE, Zaochen (Rice university)

Session Classification: Beam Energy Scan - Building 488, Berkner Hall Room B

Contribution ID: 251

Type: **not specified**

Fluctuations at BES

Wednesday, 2 August 2023 11:30 (30 minutes)

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

Session Classification: Beam Energy Scan - Building 488, Berkner Hall Room B

Contribution ID: 252

Type: **not specified**

Femtoscopia, EoS & Other Theory

Wednesday, 2 August 2023 14:00 (30 minutes)

Presenter: PRATT, Scott (Michigan State University)

Session Classification: Beam Energy Scan - Building 488, Berkner Hall Room B

Contribution ID: 253

Type: **not specified**

Hydro Fluctuations

Wednesday, 2 August 2023 14:30 (30 minutes)

Presenter: PRADEEP, Maneesha Sushama (University of Illinois at Chicago)

Session Classification: Beam Energy Scan - Building 488, Berkner Hall Room B

Contribution ID: 254

Type: **not specified**

Longitudinal Physics at BES

Wednesday, 2 August 2023 15:00 (30 minutes)

Presenter: DU, Lipei (Ohio State University)

Session Classification: Beam Energy Scan - Building 488, Berkner Hall Room B

Contribution ID: 255

Type: **not specified**

Experimental constraints on the initial stages of A+A collisions at lower energy

Wednesday, 2 August 2023 15:45 (30 minutes)

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

Session Classification: Beam Energy Scan - Building 488, Berkner Hall Room B

Contribution ID: 256

Type: **not specified**

Tracking the Baryon Number with Heavy-ion Collisions

Wednesday, 2 August 2023 16:15 (30 minutes)

Presenter: TSANG, Chun Yuen

Session Classification: Beam Energy Scan - Building 488, Berkner Hall Room B

Contribution ID: 257

Type: **not specified**

Open Discussion

Wednesday, 2 August 2023 16:45 (15 minutes)

Session Classification: Beam Energy Scan - Building 488, Berkner Hall Room B

Contribution ID: 258

Type: **not specified**

sPHENIX Overview

Wednesday, 2 August 2023 09:00 (30 minutes)

Presenter: UMAKA, Ejiro (Brookhaven National Laboratory)

Session Classification: New Detectors and Technologies - Building 490, Large Conference Room

Contribution ID: 259

Type: **not specified**

STAR Forward Upgrade

Wednesday, 2 August 2023 09:30 (20 minutes)

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

Session Classification: New Detectors and Technologies - Building 490, Large Conference Room

Contribution ID: **260**

Type: **not specified**

2nd EIC Detector

Wednesday, 2 August 2023 09:50 (20 minutes)

Presenter: LEE, Sangbaek (Argonne National Laboratory)

Session Classification: New Detectors and Technologies - Building 490, Large Conference Room

Contribution ID: **261**

Type: **not specified**

ePIC Overview

Wednesday, 2 August 2023 10:40 (30 minutes)

Presenter: DALLA TORRE, Silvia (INFN, Trieste)

Session Classification: New Detectors and Technologies - Building 490, Large Conference Room

Contribution ID: **262**

Type: **not specified**

ePIC ToF detectors

Wednesday, 2 August 2023 11:10 (20 minutes)

Presenter: YANO, Satoshi (Hiroshima University)

Session Classification: Session: PID and Far Forward & Backward

Contribution ID: 263

Type: **not specified**

ePIC Cherenkov Detectors

Wednesday, 2 August 2023 11:30 (20 minutes)

Presenter: CHATTERJEE, Chandradoy (INFN Trieste)

Session Classification: Session: PID and Far Forward & Backward

Contribution ID: 264

Type: **not specified**

ePIC Far Forward and Far Backward Detectors

Wednesday, 2 August 2023 11:50 (20 minutes)

Presenter: JENTSCH, Alexander (Brookhaven National Laboratory)

Session Classification: Session: PID and Far Forward & Backward

Contribution ID: 265

Type: **not specified**

sPHENIX Calorimetry

Wednesday, 2 August 2023 14:00 (20 minutes)

Presenter: JIANG, Hanpu (Columbia University)

Session Classification: Session: Calorimetry

Contribution ID: 266

Type: **not specified**

ePIC Hadronic Calorimetry

Wednesday, 2 August 2023 14:20 (20 minutes)

Presenter: SCHMIDT, Nicolas (Oak Ridge National Laboratory - (US))

Session Classification: Session: Calorimetry

Contribution ID: 267

Type: **not specified**

ePIC Electromagnetic Calorimetry

Wednesday, 2 August 2023 14:40 (20 minutes)

Presenter: JI, Zhongling (UCLA)

Session Classification: Session: Calorimetry

Contribution ID: **268**

Type: **not specified**

sPHENIX Tracking

Wednesday, 2 August 2023 15:50 (20 minutes)

Presenter: BERTAUX, Joseph (staff@purdue.edu;student@purdue.edu;member@purdue.edu;employee@purdue.edu)

Session Classification: Vertexing and Tracking

Contribution ID: **269**

Type: **not specified**

STAR Foward Tracker

Wednesday, 2 August 2023 15:30 (20 minutes)

Presenter: WANG, Zhen (Shandong University)

Session Classification: Vertexing and Tracking

Contribution ID: 270

Type: **not specified**

ePIC Tracking

Wednesday, 2 August 2023 16:10 (20 minutes)

Presenter: LI, Shujie (Lawrence Berkeley National Laboratory)

Session Classification: Vertexing and Tracking

Contribution ID: 271

Type: **not specified**

ePIC Readout Electronics

Wednesday, 2 August 2023 16:30 (20 minutes)

Presenter: BARBOSA, Fernando (JLab)

Session Classification: Session: DAQ and Polarimetry

Contribution ID: 272

Type: **not specified**

EIC Polarimetry

Wednesday, 2 August 2023 16:50 (20 minutes)

Presenter: ZHANG, Zhengqiao

Session Classification: Session: DAQ and Polarimetry

Contribution ID: 273

Type: **not specified**

Introduction Talks from Invited Speakers

Tuesday, 1 August 2023 15:00 (1h 10m)

Presenters: BARBER, Charles (National Science Foundation); NATTRASS, Christine (University of Tennessee, Knoxville); PONCE, Iris (Yale University); CARPENTER, Kitt (Vanderbilt University); SANCHEZ, Shua (MIT); QUICHOCHO, Xandria (Texas State); SWEGGER, Zachary (University of California, Davis)

Session Classification: Diversity & Inclusion, Building 490, Large Conference Room

Contribution ID: 274

Type: **not specified**

Round-Table Panel Discussion

Tuesday, 1 August 2023 16:20 (40 minutes)

Session Classification: Diversity & Inclusion, Building 490, Large Conference Room

Contribution ID: 275

Type: **not specified**

Overview of Spin Physics

Tuesday, 1 August 2023 09:00 (30 minutes)

Presenter: HATTA, Yoshitaka (BNL)

Session Classification: EIC Physics - Building 510, Physics Large Seminar Room

Contribution ID: 276

Type: **not specified**

Neutron Spin with Double-Spectator Tagging

Tuesday, 1 August 2023 09:30 (20 minutes)

Presenter: PYBUS, Jackson (MIT)

Session Classification: EIC Physics - Building 510, Physics Large Seminar Room

Contribution ID: 277

Type: **not specified**

Gluon Polarization from Global Analyses

Tuesday, 1 August 2023 09:50 (20 minutes)

Presenter: COCUZZA, Christopher (Temple University)

Session Classification: EIC Physics - Building 510, Physics Large Seminar Room

Contribution ID: 278

Type: **not specified**

Diffraction Physics: LHC and RHIC Synergies

Tuesday, 1 August 2023 10:30 (30 minutes)

Presenter: KOVCHEGOV, Yuri (The Ohio State University)

Session Classification: EIC Physics - Building 510, Physics Large Seminar Room

Contribution ID: 279

Type: **not specified**

Diffraction Physics from LHC to EIC

Tuesday, 1 August 2023 11:00 (30 minutes)

Presenter: KIM, Minjung (Other@lbl.gov;Guest@lbl.gov)

Session Classification: EIC Physics - Building 510, Physics Large Seminar Room

Contribution ID: **280**

Type: **not specified**

Jets in eP and eA

Tuesday, 1 August 2023 11:30 (20 minutes)

Presenter: ADKINS, Kevin (Morehead State University)

Session Classification: EIC Physics - Building 510, Physics Large Seminar Room

Contribution ID: **281**

Type: **not specified**

Extracting Heavy Flavor Particles with ePIC

Tuesday, 1 August 2023 11:50 (20 minutes)

Presenter: LI, Xuan (Los Alamos National Laboratory)

Session Classification: EIC Physics - Building 510, Physics Large Seminar Room

Contribution ID: **282**

Type: **not specified**

End of Workshop

Tuesday, 1 August 2023 12:10 (1 minute)

Session Classification: EIC Physics - Building 510, Physics Large Seminar Room