

2023 RHIC & AGS Users Meeting Poster Session

August 2023

List of Participants

“The Minimum Bias Detector (MBD) Simulation in sPHENIX”

Presented by Abdullah Alsayegh

“Performance and Calibration of the ePIC Barrel HCal”

Presented by Derek Anderson

“Study of ω/π^0 Ratio in Heavy-Ion Collisions”

Presented by Konstantin Bauer

“Event-by-Event Correlations Between Lambda Spin Measurements and CME Observables in Au+Au Collisions at 27 GeV from STAR”

Presented by Yicheng Feng

“Commissioning of the Intermediate Silicon Tracker at sPHENIX”

Presented by Jaein Hwang

“Quantification of Jet-Medium Interactions Via Two-Particle Correlations”

Presented by Anthony Hodges

“Commissioning Phase of the MBD”

Presented by Alex Holt

“Commissioning Status of the sPHENIX Electromagnetic Calorimeter”

Presented by Abraham T Holtermann

“Quantifying the Underlying Event for Jet Measurements with sPHENIX”

Presented by Muhammad Shumail Khan

Pion interferometry with Lévy-stable sources in $\sqrt{s_{NN}} = 200$ GeV Au+Au collisions at STAR

Presented by Daniel Kincses

“Interpretable ML Applied to Jet Background Subtraction in Heavy Ion Collisions”

Presented by Tanner Mengel

“Construction and Installation of the sPHENIX Event Plane Detector at RHIC”

Presented by Micah Meskowitz



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“Jet Substructure Measurements in Proton-Proton and Proton-Gold Collisions”

Presented by Isaac Mooney

“Performance and Commissioning of sPHENIX MBD”

Presented by Lameck W Mwibanda

“The Azimuthal Correlation Between the Scattered Lepton and the Leading Jet in Deep Inelastic Scattering at HERA”

Presented by Jae Nam

“Heavy Flavor Physics at the sPHENIX Experiment”

Presented by Antonio Carlos Oliveira da Silva

“Measurement of $\pi^+\pi^-$ Azimuthal Correlation Asymmetry and Unpolarized Cross Section at $\sqrt{s} = 200$ GeV at STAR”

Presented by Babu Pokhrel

“Quantum Baryon Number Fluctuations in Subsystems of a Hot and Dense Relativistic Gas of Fermions”

Presented by Rajeev Singh

“Constraining Sea Quark Distributions Through W and Z Cross Section and Cross Section Ratios Measured at STAR”

Presented by Bernd Surrow

“STAR BEMC and TPC Calibration for Run 22 Strategy and Methods”

Presented by Richard Thrutchley and Clarlie Clark

“Tracking Hadrons in Jets for the sPHENIX cold-QCD Program”

Presented by Athira Vijayakumar

“The Effect of a Passive Bi-Polar Grid on Ion Back-Flow & Position Resolution”

Presented by Vladislav Zakharov

“Beam Energy Dependence of Triton Production and Yield Ratio ($N_t \times N_p / N_d^2$) in Au+Au Collisions at RHIC”

Presented by Dingwei Zhang



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