

RHIC & AGS Thesis Competition

June 2024

List of Participants

Radiobiological Investigations of Orthovoltage X-Rays, FLASH Proton Therapy, and Carbon Ion Radiotherapy

Presented by Brett Bell

Toward Initial Conditions of Conserved Charges

Presented by Patrick Carzon

Studying Gluon Correlations and Nuclear Effects through Transverse Single-Spin Asymmetry Measurements at PHENIX and Promoting an Open Research Infrastructure in High Energy Physics

Presented by Dillon Fitzgerald

Measurement of identified particle spectra and tracking the baryon number in Ru+Ru and Zr+Zr collisions at $\sqrt{S_{NN}} = 200$ GeV

Presented by Yang Li

Measurement of directed flow with the STAR Event Plane Detector (EPD) in Au+Au collisions at $\sqrt{S_{NN}} = 27$ and 19.6 GeV

Presented by Xiaoyu Liu

Exploring the QCD Phase Diagram at STAR:

Measurement of Proton Fluctuations in Azimuthal Partitions

Presented by Dylan Neff

Probing the QCD phase diagram via net-proton number fluctuations at RHIC

Presented by Ashish Pandav

Investigation of Elliptic Flow and Chiral Magnetic Effect with the STAR Detector

Presented by Jagbir Singh

