

Abstract Submitted
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Pion, kaon, proton and antiproton spectra in CuCu collisions at $\sqrt{s_{NN}} = 200$ GeV at RHIC JING LIU, RHIC/STAR COLLABORATION — Collisions of ultrarelativistic nuclei at RHIC provide a unique means to create nuclear matter of high energy density. Study of the various properties of this dense matter requires systematic measurements of identified particle spectra. The combination of STAR time of flight (TOF) based on MRPC (Multi-gap Resistive Plate Chamber) and Time Projection Chamber (TPC) detectors offers particle identification (PID) over a wide transverse momentum (p_T) range. In this talk, We will present the progress of an analysis of the identified hadron spectra in Cu+Cu collisions at RHIC using state-of-the-art prototype electronics and MRPC TOF. Physics implication will be discussed.

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