

Abstract Submitted
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Event-by-event K/pi Fluctuations at RHIC GARY WESTFALL,
Michigan State University, STAR COLLABORATION — We present the first results from measurements of event-by-event fluctuations in the K/π ratio for Au+Au collisions at $\sqrt{s_{NN}} = 20, 62.4, 130$ and 200 GeV at the Relativistic Heavy Ion Collider using the STAR detector. We observe that dynamical fluctuations in the K/π ratio decrease as the collisions become more central. The excitation function for dynamical fluctuations in the K/π ratio in central collisions will be presented. The results will be compared with similar fluctuations measured at SPS energies.

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