Abstract Submitted
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$\pi^0 - \pi^0$ Azimuthal Correlations Comparisons Between PYTHIA and 2008 PHENIX Data[1] JOHN WHITE, Augustana Univ - Sioux Falls, PHENIX COLLABORATION — The Muon Piston Calorimeter Extension (MPC-Ex) is housed in front of the Muon Piston Calorimeter (MPC), a sub-detector of PHENIX at RHIC. Using the forward rapidity ($3 < \eta < 3.8$) arm of the MPC-Ex we can measure the low-x portion of the nuclear wave function and the energy loss in cold nuclear matter using the 2016 d+Au run. However, there is no p+p baseline for the 2016 d+Au run. Using PYTHIA we can create a baseline to compare the 2016 run data. In order to assure the validity of the PYTHIA, we compare the simulation to 2008 p+p and d+Au π0-π0 correlations measured by PHENIX.

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John White
Augustana Univ - Sioux Falls

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