Abstract Submitted
for the DNP13 Meeting of
The American Physical Society

Comparison of UrQMD, Hijing and parameterized data as input to PHENIX detector simulations of RHIC Au+Au collisions in the forward/backward kinematic region[1] KATHRYN KOOISTRA, Muhlenberg College, PHENIX COLLABORATION — A number of systematic effects must be studied in order to determine the transverse energy in RHIC $\sqrt{S_{NN}} = 200$ GeV collisions using the PHENIX Muon Piston Calorimeter. Comparisons of the particle production in the forward/backward direction between UrQMD (Ultra-relativistic Quantum Molecular Dynamics), Hijing, and parameterizations of real data will be made to understand the influence of the choice of event generator on corrections to transverse energy measurements in the forward/backward kinematic region at RHIC.

[1]We gratefully acknowledge support from NSF grant number 1209240.

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Date submitted: 01 Aug 2013 Electronic form version 1.4