

Abstract Submitted  
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**Revisiting Cuts for Improved Calibrations of the PHENIX Muon Piston Calorimeter**<sup>1</sup> EMMA BOWNES, Muhlenberg College, PHENIX COLLABORATION — The PHENIX Muon Piston Calorimeter (MPC) has been used extensively to study RHIC p+p and d+Au collisions, but has not been used as often in the analysis of Au+Au collisions. Forward/backward measurements of transverse energy ( $3.1 < |\eta| < 3.9$ ) in the beam energy scan are of particular interest for studies of the strongly interacting quark-gluon plasma. Now that new methods are being employed to help calibrate the heavy ion collisions, focus can again be put on the optimal set of cuts for calibrating these runs. Studies leading to the determination of these cuts will be described.

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