

Abstract Submitted
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Corrections to Transverse Energy Measurements taken by the PHENIX Muon Piston Calorimeter¹ DAVID REINERT, None, PHENIX COLLABORATION — The PHENIX Muon Piston Calorimeter (MPC) is being used to measure transverse energy produced in the forward/backward kinematic region ($3.1 < |\eta| < 3.9$) by the collision of Au+Au nuclei at the Relativistic Heavy Ion Collider (RHIC). Undergraduates at Muhlenberg College have worked since 2013 to produce and verify corrections for these measurements. To this point, corrections for the inflow and outflow of energy (mostly due to particle decays), efficiency, and hadronic response have been considered and will be described. Attempts to consistency check these current attempts using other approaches will also be described. Efforts are currently underway to analyze 2010 Au+Au collisions at $\sqrt{S_{NN}}=200, 62.4, 39,$ and 7.7 GeV.

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