

Abstract Submitted
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Analyzing Power for Forward Jet Production in Polarized Proton Collisions at $\sqrt{s}=500$ GeV CHRIS PERKINS, UC Berkeley/Space Sciences Lab/Stony Brook University, ANDY COLLABORATION — AnDY is an experiment at RHIC whose goal is to measure the analyzing power for Drell-Yan production. Tests were done during $\sqrt{s}=500$ GeV polarized proton operations in RHIC run 11 with a model of the AnDY apparatus in place. The primary detector components were left/right symmetric hadron calorimeter (HCal) modules that spanned the pseudorapidity interval $2.4 < \eta < 4.0$. An integrated luminosity of 6.5 / pb with average beam polarization of 52% was primarily sampled by a jet trigger, consisting of a threshold applied to a HCal module sum. The energy in HCal was calibrated by observing the photon pairs from neutral pion decay. The degree to which the HCal has comparable response for incident hadrons relative to incident photons or electrons was studied in simulation, and is still undergoing investigation in the data. Multiple methods of jet reconstruction have been applied to the data. The energy dependence of the forward jet analyzing power will be reported.

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