Abstract Submitted
for the APR13 Meeting of
The American Physical Society

Feasibility study for measuring the Drell-Yan cross section and double-spin asymmetry (ALL) at PHENIX using the FVTX Tracker GONADUWAGE PERERA, STEPHEN PATE, New Mexico State University, PHENIX COLLABORATION — Analysis of di-muon pairs produced in the Drell-Yan process in high energy longitudinally polarized proton-proton collisions provides a tool to probe the proton spin structure. The new Forward Silicon Vertex Detector (FVTX) enables us to study the Drell-Yan process for forward di-muon production ($1.2<|\eta|<2.4$) in the PHENIX experiment at RHIC with less background. In this talk we present the status of the analysis of simulation data and RHIC 2012 data for the intermediate mass region (4 GeV $<$M $<$8 GeV) Drell-Yan process at a center of mass energy of 510 GeV in proton-proton collisions.

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Date submitted: 17 Dec 2012 Electronic form version 1.4