

Abstract Submitted
for the APR07 Meeting of
The American Physical Society

**Double Longitudinal Spin Asymmetry Measurement for Inclusive
Jet Production at STAR** DAVID STASZAK, UCLA, STAR COLLABORATION

— A primary objective of the RHIC Spin physics program is the determination of the polarized gluon distribution function, ΔG , in the nucleon. Measurements of the double longitudinal asymmetry A_{LL} in 200 GeV polarized protons, from which ΔG can be extracted, have been presented previously by STAR in a number of channels from data collected in 2003 through 2005. The inclusive jet channel is of particular importance because it provides both a relatively large cross section and a direct probe into the initial state parton dynamics. STAR's previous inclusive jet results have constrained the allowed models of gluon polarization. The p+p data from run 2006 represent a sample of 9 pb^{-1} integrated luminosity and $\sim 60\%$ polarized beams. We will present progress towards the A_{LL} measurement from the run 2006 data set as well as our recent results from runs 2005 and 2003/4.

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Date submitted: 12 Jan 2007

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