

Abstract Submitted
for the APR10 Meeting of
The American Physical Society

Inclusive Jet and Dijet Cross Section Measurements in Polarized Proton-Proton Collisions at 200 GeV at STAR TAI SAKUMA, MIT, THE STAR COLLABORATION — The STAR detector at the RHIC polarized proton-proton collider has full-azimuth calorimeter and tracking devices well suited for full jet reconstruction for the pseudorapidity range $|\eta| \leq 1$. We report the status of the inclusive jet and dijet cross section measurements in proton collisions at 200 GeV. The jet cross sections are fundamental quantities to test the framework of the QCD factorization and perturbative QCD calculations. Dijet measurements provide additional sensitivity to parton kinematics. The jet cross sections are important steps to interpret jet spin asymmetries in polarized proton collisions that we measure to constrain the polarized gluon distribution of the proton in order to understand the spin structure of the proton.

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Date submitted: 21 Oct 2009

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