

Abstract Submitted
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Measurements of Direct Photon Double Longitudinal Spin Asymmetry at Large Rapidity PAUL BOURGEOIS, Amherst College, PHENIX COLLABORATION — Direct photon production in polarized p-p collisions is expected to be the cleanest measurement of the gluon polarization. Current measurements using inclusive pion production, in the PHENIX central arms, suggest a small contribution from the gluons to the proton spin in the presently accessible Bjorken x range $x_{Bj} > 10^{-2}$. The addition of the Nose Cone Calorimeter (NCC) in the large rapidity $1 < \eta < 3$ will allow PHENIX to access $x_{Bj} \sim 10^{-3}$. In this talk I will present the prospects of measuring direct photon double longitudinal spin asymmetry A_{LL} employing the NCC.

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