

Abstract Submitted
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Inclusive Jet Production using the Midpoint Algorithm in Run II at CDF¹ CRAIG GROUP, University of Florida — We present a preliminary measurement of the inclusive jet cross section for jets with transverse momenta above 60 GeV/c and with rapidity up to $|Y|=2.1$. The analysis is performed with approximately 800 pb⁻¹ of data taken in proton-antiproton collisions at $\sqrt{s}=1.96$ TeV using the upgraded Collider Detector at Fermilab in Run II. This luminosity is more than twice that of our previous measurement. In addition, the rapidity range has been expanded to include the forward region. The results are compared with next to leading order perturbative QCD predictions based on the CTEQ6.1 parton distribution functions.

¹Presented on behalf of the CDF Collaboration.

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