

Abstract Submitted  
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**Study of  $W\gamma$  Production at the Tevatron** AI NAGANO, University of Tsukuba, JIANRONG DENG, AL GOSHAW, Duke University, BEATTE HEINEMANN, University of California at Berkeley, JEFFERSON KIST, CHRISTOPHER LESTER, TOM PHILLIPS, Duke University, CDF COLLABORATION — We report a measurement of  $p\bar{p} \rightarrow l^+\nu\gamma + X$  at  $\sqrt{s} = 1.96$  TeV produced at the Fermilab Tevatron using  $1.2\text{ fb}^{-1}$  of data collected by the CDF II detector. This channel has contributions from  $W$  bosons produced with initial and final state photon radiation and from photons emitted due to the direct  $WW\gamma$  coupling. Events are selected with electrons (muons) with  $E_T > 20$  GeV ( $p_T > 20$  GeV/c), and isolated photons with  $E_T > 15$  GeV and  $|\eta| < 2.8$ . The measured cross sections and kinematic distributions are compared to Standard Model electroweak predictions.

Eric James  
Fermi National Accelerator Lab

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