

Abstract Submitted
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Measurement of $Z\gamma$ Production at CDF CHRISTOPHER LESTER, JIANRONG DENG, AL GOSHAW, Duke University, BEATE HEINEMANN, University of California at Berkeley, JEFFERSON KIST, Duke University, AI NAGANO, University of Tsukuba, TOM PHILLIPS, Duke University, CDF COLLABORATION — We present measurements of the $Z\gamma$ production cross section and kinematic distributions using 1 fb^{-1} of luminosity collected by the CDF experiment in $p\bar{p}$ collisions at the Fermilab Tevatron in Run II. In the Standard Model this final state has contributions from Z bosons produced with initial and final state photon radiation, and is sensitive to anomalous couplings of photons and Z bosons due to possible contributions from physics beyond the Standard Model. Events are selected with two electrons or muons with transverse momenta $> 20 \text{ GeV}$, and isolated photons with $E_T > 7 \text{ GeV}$. The measured cross sections and kinematic distributions are compared to Standard Model predictions.

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