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Search for Anomalous Production of γ + Jets + $\not\!\!E_T$ SAMANTHA HEWAMANAGE, JAY DITTMAN, NILS KRUMNACK, Baylor University, RAYMOND CULBERTSON, SASHA PRONKO, Fermilab, CDF COLLABORATION
— Many new physics models predict mechanisms that could produce a γ and jets signature. We search in the γ + jets and γ + jets + $\not\!\!E_T$ channels, independent of any model, for new physics using 2 fb^{-1} of CDF Run II data collected at the Fermilab Tevatron from $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV. A variety of techniques are applied to estimate the standard model expectation and non-collision backgrounds. We examine several kinematic distributions including $\not\!\!E_T$, ΣE_T, and invariant mass for discrepancies with respect to the standard model.

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