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Photon Searches at CDF

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Many new physics models predict mechanisms that could produce a γ and jets signature. We search in the γ + jets and γ + jets + met 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 met, ΣE_T, and masses for discrepancies with the standard model.

Author: Dr CULBERTSON, Raymond (Fermilab)

Presenter: LEE, Eunsin (Texas A&M University)

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