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Search for New Physics in the $\gamma + b + j + \cancel{E}_T + \mathbf{X}$ Final State
SCOTT WILBUR, HENRY FRISCH, DAN KROP, CARLA PILCHER, University of Chicago, RAYMOND CULBERTSON, SHIN-SHAN YU, Fermilab, CDF COLLABORATION — Given the large number of predicted and as-yet-unknown models of new physics, the first signals of new processes may appear in any final state. In this study we analyse the $\gamma + b + jet + \cancel{E}_T$ state. Without the constraints of a particular model prediction, we examine the kinematics of the events and compare to the standard model prediction. We use 1.8 fb^{-1} of data collected by CDF at the Tevatron at $\sqrt{s} = 1.96 \text{ TeV}$.

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