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Searches for new physics at the Tevatron in photon and jet final states

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Photons and jets are the most copiously produced particles at the Fermilab Tevatron. By analyzing events with photons and jets, we may search for hints of physics beyond the standard model of elementary paticles. Models which predict photon and jet signatures include SUSY, extra dimension, leptoquarks, etc. Both model-driven and signature-based searches have been performed. I will present the latest results using data from an integrated luminosity of 1.0−2.5/fb of p-pbar collisions at sqrt(s)=1.96 TeV, collected with the CDF and D0 detectors.

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