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Study of $q\bar{q}\gamma$ and $gg\gamma$ Fragmentation Using Hadron Production In Radiative Υ Decays HANNAH SWIFT, University of Kansas, CLEO COLLABORATION — Using data collected by the CLEO III detector at the Cornell Electron Storage Ring, we compare hadron production on the Υ resonances to that of the underlying continuum for the Λ, p, $\bar{p}$, ϕ and f_2. By examining radiative Υ decays versus photon tagged quark-antiquark events, we have a direct comparison of gluon versus quark fragmentation, allowing us to probe the differing manner in which gluons and quarks hadronize.

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