

Abstract Submitted
for the APR05 Meeting of
The American Physical Society

Radiative Decays of the $\Upsilon(1S)$ to a Photon and Two Charged Tracks LUIS BREVA-NEWELL, University of Florida, CLEO COLLABORATION
— Using the CLEO III detector, we report on a new study of exclusive radiative $\Upsilon(1S)$ decays into the final states $\gamma\pi^+\pi^-$, γK^+K^- and $\gamma p\bar{p}$. We present branching ratio and helicity amplitude measurements for the decay modes $\Upsilon(1S) \rightarrow \gamma f_2(1270)$ and $\Upsilon(1S) \rightarrow \gamma f_2'(1525)$, and upper limits for the decay $\Upsilon(1S) \rightarrow \gamma f_J(2200)$ with $f_J(2220) \rightarrow \pi^+\pi^-$, K^+K^- and $p\bar{p}$.

David Asner
University of Pittsburgh

Date submitted: 19 Jan 2005

Electronic form version 1.4