

Abstract Submitted
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Study of the decay $D^0 \rightarrow \gamma\gamma$ JAMES MORRIS, Ohio State University, BABAR COLLABORATION — We present preliminary results for the decay $D^0 \rightarrow \gamma\gamma$ using data collected with the BaBar detector at the PEP-II asymmetric e^+e^- collider at SLAC. We fully reconstruct the decay $D^* \rightarrow D^0\pi^+, D^0 \rightarrow \gamma\gamma$. These predominantly long-range, FCNC decays provide a test for physics beyond the standard model.

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