

Abstract Submitted
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Measurement of the $B^0 \rightarrow \pi^0\pi^0$ CARLOS CHAVEZ, Liverpool,
BABAR COLLABORATION — We present a measurement of the branching frac-
tion of the decay $B^0 \rightarrow \pi^0\pi^0$, and a first measurement of the time-integrated CP
asymmetry C_{00} , using a data sample of approximately 227 million BBar pairs col-
lected by the BaBar detector at the PEP-II asymmetric-energy B Factory at SLAC.
The signal has a significance of 5.0sigma.

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