

Abstract Submitted
for the APR09 Meeting of
The American Physical Society

Search for D^0 - \bar{D}^0 mixing and CP violation JORDI GARRA TICO,
Univ. de Barcelona, BABAR COLLABORATION — Experimental results of charm
mixing and CP violation searches in the *BABAR* experiment at the PEP-II e^+e^-
asymmetric-energy collider at SLAC will be presented. Though evidence of CP
violation in the D^0 decay, mixing or interference has never been found, compelling
evidence for mixing in the D^0 sector has been found in $D^0 \rightarrow K^+\pi^-$ and $D^0 \rightarrow$
 $K^+K^-, \pi^+\pi^-$ events. The talk will focus on time dependent analyses of two and
three body D meson decays, which provide the opportunity to measure the mixing
parameters x and y directly.

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Date submitted: 09 Jan 2009

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