

Abstract Submitted  
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**Measurement of  $\gamma$  using a  $D$  Dalitz analysis of  $B^\pm \rightarrow D^{(*)}K^{(*)\pm}$  decays** NEUS LOPEZ-MARCH, IFIC, Universitat de Valencia-CSIC, BABAR COLLABORATION — We report on an improved measurement of the Cabibbo-Kobayashi-Maskawa CP-violating phase  $\gamma$  through a Dalitz analysis of neutral  $D$  decays to  $K_S^0\pi^+\pi^-$  and  $K_S^0K^+K^-$  in the processes  $B^\mp \rightarrow DK^\mp$ ,  $B^\mp \rightarrow D^*K^\mp$  with  $D^* \rightarrow D\pi^0, D\gamma$ , and  $B^\mp \rightarrow DK^{*\mp}$  with  $K^{*\mp} \rightarrow K_S^0\pi^\mp$ . The analysis is based on a sample of 383 million  $B\bar{B}$  pairs collected by the BaBar detector at the PEP-II asymmetric-energy  $e^+e^-$  collider at SLAC.

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