

Recent BABAR results on CP violation in B decays

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We report on the study of the decay $B^+ \rightarrow D^0(D^0\text{bar}) K^+$ where the D^0 or $D^0\text{bar}$ decaying to $K\pi\pi^0$, with the Atwood Dunietz and Soni (ADS) method. We measure the ratios R_{ads} , R^+ , and R^- that, since the processes $B^+ \rightarrow D^0\text{bar} K^+$ and $B^+ \rightarrow D^0 K^+$ are proportional to V_{cb} and V_{ub} , respectively, are sensitive to α_B and to the weak phase γ . We also report the results of CP violation studies of $B \rightarrow D_{\text{CP}} \pi^+\pi^-$ and $B^0 \rightarrow DD$.

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