



Contribution ID: 19

Type: **Parallel contribution**

Recent BABAR results on CP violation in B decays

Thursday 11 August 2011 10:54 (24 minutes)

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 $B^+ \rightarrow D^0K^+$ 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 $B^+ \rightarrow D^0\pi^+\pi^-$ and $B^0 \rightarrow D^0D^0$.

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Session Classification: CP-Violation

Track Classification: CP-Violation