

Direct CPV and charmless B decays at Belle

Thursday, July 21, 2011 11:45 AM (15 minutes)

We report the measurements of branching fractions and direct CP asymmetries for neutral B meson decays to the hh final states, where h stands for a pion or a kaon. We also study the charged B meson decays into one charged and one neutral kaon or pion.

We present improved measurements of the branching fraction and the CP asymmetry of $B \rightarrow \eta h$. Here h denotes π^\pm , K^\pm or K_S^0 , and the η is reconstructed through the decay channels $\eta \rightarrow \gamma\gamma$ and $\eta \rightarrow \pi^+\pi^-\pi^0$.

We report the results of a search for the charmless hadronic decay $B^+ \rightarrow \omega\rho^+$.

These analyses are performed using the large data sample collected with the Belle detector near the $\Upsilon(4S)$ resonance at the KEKB asymmetric e^+e^- collider.

Primary author: Dr CHANG, Paoti (NTU, Taipei)

Presenter: Dr CHANG, Paoti (NTU, Taipei)

Session Classification: Flavour Physics and Fundamental Symmetries

Track Classification: Flavour Physics and Fundamental Symmetries