Belle results on time dependent CP violation in B decays

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This talk presents measurements of time dependent CP-violation parameters in B meson decays based on a 140fb^{-1} data sample collected at the $\Upsilon(4S)$ resonance with the Belle detector at the KEKB energy-asymmetric e^+e^- collider. One B meson is fully reconstructed in one of the CP eigenstate decay channels, and its flavor is dentified from the decay products of the accompanying B meson. The CP-violation parameters are extracted from the asymmetries in the distributions of the proper-time intervals between the two B decays. The parameter sin2ϕ_1 is measured with the decay modes including the $b \to c$ tree and $b \to s$ penguin transitions, and sin2ϕ_2 is obtained from the decay mode $B \to \pi^+\pi^-$. A brief discussion of the ϕ_3 measurements with $B \to D^{(*)\mp}\pi^\pm$ decays is also given.

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