

# New results on CP violation in B meson decay

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The Belle experiment has started in 1999 and has collected more than  $500 \text{ fb}^{-1}$  data at the  $\Upsilon(4S)$  resonance with the KEK-B asymmetric energy  $e^+e^-$  collider. In this talk, we give the results of CP-violation measurement in  $B$  meson decays. Indirect CP-violation mainly arises through the interference between  $B^0 - \bar{B}^0$  mixing and decay. Direct CP violation arises through two different decay process, which have different phases. Those results give constraints to the sides and the angles of the unitarity triangle, described with Kobayashi-Maskawa matrix. We introduce the results for the measurement of  $\sin 2\phi_1$ ,  $\sin 2\phi_2$  and  $\phi_3$  with various methods.

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