

# Study of conventional and non-conventional hadrons at Belle

Friday, July 31, 2020 8:20 AM (15 minutes)

The large data sample accumulated by the Belle experiment at the KEKB asymmetric-energy  $e^+e^-$  collider provides a unique opportunity to perform studies related to hadron spectroscopy utilising various production mechanisms. We report a search for  $X(3872)$  in the two-photon process  $e^+e^- \rightarrow e^\pm e^\mp J/\psi \pi^+ \pi^-$  and a study of  $\chi_{c2}(1P) \rightarrow J/\psi \gamma$  again in the two-photon process. A search for the transitions from  $\Upsilon(4S, 5S)$  to  $\eta_b(1S)$  and  $\eta_b(2S)$  with the emission of an  $\omega$  meson is reported. We also cover other searches such as  $\eta_{c2}(1D)$  in  $B$  decays or studies of charmed baryons including the first measurement of branching fractions of  $B \rightarrow \Lambda_c \bar{\Xi}_c$  decays.

## I read the instructions

## Secondary track (number)

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**Session Classification:** Strong Interactions and Hadron Physics

**Track Classification:** 06. Strong Interactions and Hadron Physics