

# Hadron studies using two-photon processes from Belle

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We report studies of hadrons performed using two-photon processes at Belle. In particular, the two-photon process  $\gamma\gamma \rightarrow \gamma\psi(2S)$  is studied for the first time in an effective center-of-mass energy ranging from 3.7 to 4.2 GeV. Evidence is established for a structure in the  $\gamma\psi(2S)$  invariant-mass distribution around 3920 MeV/c<sup>2</sup>, and hint is found for another structure around 4010 MeV/c<sup>2</sup>. With the  $\gamma\gamma \rightarrow J/\psi\gamma$  process, the two-photon decay width of  $\chi_{c2}(1P)$  is reported. We also report the study of  $X(3872)$  and  $X(3915)$  states using the two-photon process. The results are based on the full data collected with the Belle detector at the KEKB asymmetric-energy  $e^+e^-$  collider.

## Category

talk

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