

## Search for CP violation and rare decays in charm sector at Belle

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Using more than 920fb-1 data collected with the Belle detector at the KEKB asymmetric-energy e+e- collider, we report the first measurement of the T-odd moments in the decay  $D^0 \rightarrow K_S^0 \pi^0 \pi^+ \pi^-$ . We search for CP-violation in decays  $D^0 \rightarrow K_S^0 K_S^0$  and  $D^+ \rightarrow \pi^+ \pi^0$ . All the results are consistent with no CP violation. We also report the result from the first search for  $D^0$  decays to invisible final states. No significant signal yield is observed and an upper limit is set on the branching fraction at 90% confidence level.

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