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## Recent time-dependent measurements of CP violation at Belle II

*Tuesday 22 August 2023 10:12 (17 minutes)*

Time-dependent measurements of CP violation are chief goals of the Belle II physics program. Comparison between penguin-dominated  $b \rightarrow q\bar{q}s$  and tree-dominated  $b \rightarrow c\bar{c}s$  results allows for stringent tests of CKM unitarity that are sensitive to non-SM physics. This talk presents recent Belle II results on  $B^0 \rightarrow K_S\pi^0$ ,  $B^0 \rightarrow K_SK_SK_S$ , and  $B^0 \rightarrow \phi K_S$  decays.

### Collaboration / Activity

Belle II

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