## **EPS-HEP2023** conference



Contribution ID: 462 Type: Parallel session talk

## Recent Belle II results on hadronic B decays

Tuesday 22 August 2023 09:38 (17 minutes)

The investigation of B-meson decays into charmed and charmless hadronic final states is a keystone of the Belle II program. It offers theoretically reliable and experimentally precise constraints on CKM unitarity, it is sensitive to effects from non-SM physics, and it furthers knowledge about uncharted  $b \to c$  hadronic transitions. Recent results on branching ratios and direct CP-violating asymmetries of  $B \to K\pi$  decays are presented that lead to world-leading tests of the SM based on the  $K\pi$  isospin sum rule. First observations of new  $B \to D^{(*)}KK_S$  decays and new results from combined analyses of Belle and Belle II data to determine the CKM angle  $\phi_3$  (or  $\gamma$ ) are also presented.

## **Collaboration / Activity**

Belle II

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