

# BEACH 2024: XV International Conference on Beauty, Charm, Hyperons in Hadronic Interactions

Contribution ID: 10

Type: **not specified**

## Time-independent gamma determinations at LHCb

*Tuesday, 4 June 2024 09:30 (30 minutes)*

The tree-level determination of the CKM angle  $\gamma$  is a standard candle measurement of CP violation in the Standard Model. The latest LHCb results from time-integrated measurements of CP violation using beauty to open charm decays are presented. The talk will focus on the  $B \rightarrow DK$  and  $B^0 \rightarrow DK^0$  decays modes using a variety of charm decays, which are the latest measurements using data collected during Run1 and Run 2 of the LHCb experiment. The precision achievable with both these modes is competitive and they add significant knowledge to the measurement of the CKM angle  $\gamma$ . They also resolve the recent tension between measurements originating from  $B^+$  and  $B^0$  meson decays.

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**Session Classification:** Session 3