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Type: **Talk**

## Recent CP violation results in heavy flavour involving multibody decays

*Thursday 4 August 2022 15:00 (30 minutes)*

CP violation, as one of the key ingredients necessary to explain the dominance of matter over antimatter in our Universe, has been very well established experimentally in heavy-flavour decays. Nevertheless, the CKM mechanism within the Standard Model predicts an interdependence between several CP-violating observables governed by unitarity, which motivates their continued study. We discuss some of the latest results on CP violation coming from the heavy-flavour experiments, with a particular focus on measurements facilitated by the presence of multibody decays.

### Preferred track

Hadronic Issues in Heavy-Flavour Physics

### Subfield

HEP experiment

### Attending in-person?

Yes

### On behalf of collaboration?

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**Session Classification:** Heavy flavour / hadron structure

**Track Classification:** Hadronic issues in heavy-flavour physics