



Contribution ID: 62

Type: **invited plenary talk**

## Overview of hadronic decays of the charmed hadrons

*Friday, 21 July 2023 11:00 (45 minutes)*

For charmed mesons, this presentation will report the recent amplitude analyses of Cabibbo-favored and -suppressed  $D_s$  decays by BESIII, including the observation of a new  $a_0$ -like state at 1.817 GeV, the branching fraction measurements of  $D$  meson doubly Cabibbo-suppressed decay and decays involving  $K_L^0$ . In addition, LHCb recently performed many measurements of CP violation/asymmetry and searched for rare/forbidden decays of charmed mesons. Belle also introduced a new  $D_0$  flavor tag method.

For charmed baryons, this presentation will report the partial wave analysis of  $\Lambda_{c^+} \rightarrow \Lambda \pi^+$  and the observations of Cabibbo-suppressed decays  $\Lambda_{c^+}$  decays by BESIII, observation of new  $\Omega_c/\Xi_c$  decays by LHCb, and observation of  $\Lambda \pi$  signals in the  $\Lambda_{c^+} \rightarrow \Lambda \pi^+$  decay by Belle.

### Consent

I consent to recording/broadcasting my presentation.

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**Session Classification:** Plenary