



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 KL_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 $\Lambda_{c^+} \rightarrow \Lambda \pi^+ \pi^0$ and the observations of Cabibbo-suppressed Decays Λ_{c^+} decays by BESIII, observation of new Ω_c/Ξ_c decays by LHCb, and observation of $\Lambda \pi$ signals in the $\Lambda_{c^+} \rightarrow \Lambda \pi^+ \pi^0$ decay by Belle.

Consent

I consent to recording/broadcasting my presentation.

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Session Classification: Plenary