



Contribution ID: 13

Type: **contributed parallel talk**

Charmed baryon decays

Thursday, July 20, 2023 4:50 PM (20 minutes)

BESIII has collected 4.5 fb^{-1} of e^+e^- collision data between 4.6 and 4.7 GeV. This unique data offers ideal opportunities to study Λ_{c^+} decays. We will report the partial wave analysis of $\Lambda_{c^+} \rightarrow \Lambda \pi^+ \pi^0$ and the observations of Cabibbo-suppressed Decays Λ_{c^+} decays, including $\Lambda_{c^+} \rightarrow n \pi^+$ etc. In addition, we will report the form factor measurement in $\Lambda_{c^+} \rightarrow \Lambda e^+ \nu$, the observation of $\Lambda_{c^+} \rightarrow p K^- e^+ \nu$, and improved measurement of $\Lambda_{c^+} \rightarrow \Lambda e^+ \nu$.

Consent

I consent to recording/broadcasting my presentation.

Primary author: XU, Yingchao

Co-author: LIU, Beijiang (Institute of High Energy Physics)

Presenter: XU, Yingchao

Session Classification: Parallel A

Track Classification: decays