

# Charmed hadron physics at BESIII

*Tuesday 31 May 2016 18:15 (20 minutes)*

## Summary

The BESIII Experiment at the Beijing Electron Positron Collider (BEPCII) has accumulated the world's largest  $e^+e^-$  collision samples at  $\psi(3770)$  peak, around the  $\psi(4040)$  nominal mass, and at the  $\Lambda_c^+\bar{\Lambda}_c^-$  mass threshold which allow us to study decays of charmed mesons and baryons in a uniquely clean background. In this talk, we will review our recent results including: (1) the extractions of the  $D_{(s)}^+$  decay constants, the form factors of  $D$  semi-leptonic decays, and the CKM matrix elements  $|V_{cs(d)}|$ ; (2) the determinations of the absolute branching fractions of the hadronic and semi-leptonic decays of  $\Lambda_c^+$ .

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