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Charm Physics at BESIII

The BESIII Experiment at the Beijing Electron Positron Collider (BEPCII) has accumulated the world's largest e+e- collision samples at ψ(3770) peak, around the ψ(4040) nominal mass, and at the Λc-pair 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 |Vcs(d)|; (2) the measurements of the strong phase and D 0 D 0 -bar mixing parameters using quantum coherence; (3) the determinations of the absolute branching fractions of the hadronic and semi-leptonic decays of Λc+.

Summary

Primary author: WEIDENKAFF, Peter Klaus Martin (Physikalisches Institut-Ruprecht-Karls-Universitaet Heidelberg-U)

Presenter: WEIDENKAFF, Peter Klaus Martin (Physikalisches Institut-Ruprecht-Karls-Universitaet Heidelberg-U)