

Charmed hadron decays at BESIII

BESIII has collected 2.93, 6.32, and 4.4 fb⁻¹ of e+e- collision data samples at 3.773, 4.178-4.226, and 4.6-4.7 GeV, respectively. In this talk, we will report the improved measurements of the strong phase differences between D0 and D0-bar into K_{S/L} h+h-, K-pi+pi0, and K-pi+pi+pi-, which are important inputs for precise determination of the CKM angle of gamma/phi_3. Also, we will report the precision measurements of the decay constant fDs and the CKM matrix element|Vcs|, which are important to test LQCD calculations and CKM matrix unitarity, respectively, and the tests of lepton flavor universality with the (semi-)leptonic decays of charmed mesons. In addition, the first observation of the singly Cabibbo-suppressed decay of Lambda_c+ -> npi+ and the improved measurements of other Lambda_c+ decays will also be reported.

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Session Classification: Heavy Flavour session