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Hadronic charm decays at BESIII

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BESIII has collected data samples corresponding to luminosities of 2.93 fb^{-1} , 3.19 fb^{-1} and 0.567 fb^{-1} at center-of-mass energies of 3.773, 4.178, and 4.6 GeV, respectively. The data set collected at 3.773 GeV contains quantum-correlated $D^0\bar{D}^0$ pairs that provide access to strong-phase differences between amplitudes. We report the measurements of strong phase differences for $D^0(-\bar{D}^0) \rightarrow K_{S/L} \pi^+\pi^-$ that will reduce the uncertainties of the LHCb and BelleII γ/ϕ^3 measurements. In addition, we report measurements of absolute branching fractions and amplitude analyses for various D^+ , D^0 , D_s^+ and Λ_c^+ decays.

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