

Hadronic D decays at BESIII

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BESIII has collected 2.93 and $6.32fb^{-1}$ of e^+e^- collision data samples at 3.773 and $4.178 - 4.226$ GeV, respectively. We will report the observation of a new a_0 resonance and amplitude analyses of $D_s \rightarrow K_S K^+ \pi^0$, $K_S K_S \pi^+$, $\pi^+ \pi^0 \eta'$, $KK3\pi$, $K\pi\pi\pi^0$, and $\pi^+ \pi^0 \pi^0$. We will also report the transverse polarization determination in $D^0 \rightarrow \omega\phi$, the K_S/K_L asymmetry studies in $D^0 \rightarrow K_L X$ ($X = \eta, \eta', \omega$ and ϕ), and observation of the new decay mode $D^{*0} \rightarrow D^0 e^+ e^-$. In addition, the measurements of the branching fractions of some $D^{0(+)}$ CF and DCS decays will be presented.

Category

talk

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