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Light Meson decays at BESIII

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The world's largest sample of J/ψ events accumulated at the BESIII detector offers a unique opportunity to investigate η and η′ physics via two body J/ψ radiative or hadronic decays. In recent years the BESIII experiment has made significant progresses in η/η′ decays. A selection of recent highlights in light meson spectroscopy at BESIII are reviewed in this report, including the observation of η′ $\longrightarrow \pi^+\pi^-\mu^+\mu^-$, observation of the cusp effect in η′ $\longrightarrow \pi^0\pi^0\eta$, search for CP-violation in η′ $\longrightarrow \pi^+\pi^-e^+e^-$, as well as the precision measurement of the branching fraction of η decays.

In-person participation

Yes

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