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# Light Meson decays at BESIII

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

## Category

poster

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