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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 $\eta' \rightarrow \pi + \pi - \mu + \mu -$, observation of the cusp effect in $\eta' \rightarrow \pi 0\pi\pi$, search for CP-violation in $\eta' \rightarrow \pi + \pi - e + e^-$, as well as the precision measurement of the branching fraction of η decays.

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