

## Light Hadron Spectroscopy

*Thursday, 19 October 2023 15:30 (20 minutes)*

Using the world's largest samples of  $J/\psi$  and  $\psi(3686)$  events produced in  $e^+e^-$  annihilation, BESIII is uniquely positioned to study light hadrons in radiative and hadronic charmonium decays. In particular, exotic hadron candidates including multiquark states, hybrid mesons and glueballs can be studied in high detail. Recent highlights from the light hadron spectroscopy program, including the observation of an iso-scalar spin-exotic  $1^{-+}$  state  $\eta_1(1855)$  in  $J/\psi \rightarrow \gamma \eta \eta'$ , and the observation of  $X(2600)$  in  $J/\psi \rightarrow \gamma \pi^+\pi^-\eta'$  will be presented.

### Parallel Session

Hadron Spectroscopy

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**Session Classification:** Hadron spectroscopy