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## Light Hadron Spectroscopy at BESIII

*Thursday, 11 July 2024 14:15 (25 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 on the light exotics searches, including observation of an iso-scalar spin-exotic  $1^{--}$  state  $\eta_1(1855)$  in  $J/\psi \rightarrow \gamma \eta_1'$ , observation of  $X(2600)$  in  $J/\psi \rightarrow \gamma \pi^+ \pi^- \eta_1'$ , observation of the anomalous shape of  $X(1840)$   $J/\psi \rightarrow \gamma 3(\pi^+ \pi^-)$ , in will be presented.

### session

B. Hadron Spectroscopy

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**Session Classification:** B. Hadron Spectroscopy