

## Light QCD exotics at BESIII

*Tuesday, 6 June 2023 14:00 (30 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 multi-quark states, hybrid mesons and glueballs can be studied in high detail. Recent highlights on the light exotics searches, including the observation of an iso-scalar spin-exotic  $1^{--}$  state  $\eta(1855)$  in  $J/\psi \rightarrow \gamma\eta\eta'$ , the observation of  $X(2600)$  in  $J/\psi \rightarrow \gamma\pi^+\pi^-\eta'$  and a PWA of  $J/\psi \rightarrow \gamma K_S K_{S^*0}$ , will be presented.

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**Session Classification:** Exotic hadrons and candidates

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