



Contribution ID: 8

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## Light QCD exotics at BESIII

*Thursday, 20 July 2023 15:20 (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 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.

### Consent

I consent to recording/broadcasting my presentation.

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**Session Classification:** Parallel A

**Track Classification:** exotics