



Contribution ID: 46

Type: **Leading contributed talk**

## 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 multi-quark 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  $\eta(1855)$  in  $J/\psi \rightarrow \gamma \eta \eta'$ , observation of  $X(2600)$  in  $J/\psi \rightarrow \gamma \pi^+ \pi^- \eta'$ , observation of the anomalous shape of  $X(1840)$   $J/\psi \rightarrow \gamma 3(\pi^+ \pi^-)$ , in will be presented.

### session

B. Hadron Spectroscopy

**Primary authors:** LIU, Beijiang (Institute of High Energy Physics, Chinese Academy of Sciences); HUANG, Yanping

**Presenter:** HUANG, Yanping

**Session Classification:** B. Hadron Spectroscopy