

## Exotics at BESIII

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### Collaboration

BESIII

### Abstract content

With the data taking at BESIII detector, we perform a search of exotics, including X, Y, and Z states. As a result, we observed X(1835) in  $J/\psi \rightarrow \gamma p \bar{p}$ , observed X(3823) in  $e^+e^- \rightarrow \pi^+\pi^-\chi_{c1}$ . We confirmed X(3872) in  $e^+e^- \rightarrow \gamma\pi^+\pi^-J/\psi$ . We observed a possible resonance Y(4220) in the line-shape of  $e^+e^- \rightarrow \pi^+\pi^-J/\psi$ , which is quite different from the Y(4260) reported by BaBar and Belle experiments. We observed charged and neutral  $Z_c(3900)$  and  $Z_c(4020)$  in  $e^+e^- \rightarrow \pi\pi J/\psi, \pi\pi h_c$ , respectively, and observed charged and neutral  $Z_c(3885)$  and  $Z_c(4025)$  in  $e^+e^- \rightarrow \pi(DD^*), \pi(D^*D^*)$ , respectively.

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