

Exotics@BESIII

Thursday, 7 June 2018 10:30 (0:30)

Collaboration

BESIII

Abstract content

With about 12 fb^{-1} collected, useful data set for XYZ new resonances, BESIII continues the exploration of these exotic charmonium-like states. In these talk, recent results of the measurements of the line-shape of $e^+e^- \rightarrow [\text{U+F070}] [\text{U+F030}] [\text{U+F020}] [\text{U+F070}] [\text{U+F030}] [\text{U+F079}] (3686), K^+K^- J/[\text{U+F079}]$, and $[\text{U+F070}] [\text{U+F02B}] D^0D^{*-}$, as well as the J^P determination of $Z_c(3900)$ and $Z_c(3900)$ observation in $e^+e^- \rightarrow [\text{U+F046}] [\text{U+F063}] c1/2$ at $W = 4.6 \text{ GeV}$ will be presented. Present Belle data on the candidate charmed baryonium $Y(4660)$ are barely in agreement with present BESIII data above the $e^+e^- \rightarrow [\text{U+F04C}] c[\text{U+F020}] [\text{U+F04C}] \text{cbar}$ threshold. These data will be shortly discussed. A BEPCII upgrade has been funded, that will allow to settle this open question.

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