

Recent results for X- and Z-states at BESIII

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The BESIII experiment, with its unique data samples collected in the $\sqrt{s} = 4.0 - 4.95$ GeV region, continues to provide important inputs for the understanding of charmonium and exotic XYZ states. In this talk, we will present recent activities related to X- and Z-states. Key results include a multi-channel joint analysis of the $Z_c(4020)$, a search for a charmonium-like state with exotic quantum numbers $J^{PC} = 0^{- -}$, and searches for Z_{cs} states in $K+c\bar{c}$ final states. With recent upgrades to the BEPCII accelerator, BESIII will remain a key player in the field of XYZ physics for years to come. An outlook on these future possibilities will also be presented.

Collaboration

BESIII

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