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Exotic and Charmonium(-like) states at BESIII

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The BESIII Experiment at the Beijing Electron Positron Collider (BEPCII) has accumulated the world's largest samples of e^+e^- collisions in the tau-charm region. From the collected samples, which include e^+e^- annihilations at J/ψ , $\psi(2S)$, $\psi(3770)$ peaks and in the region from 4 GeV to 4.6 GeV, BESIII has produced many new results in the spectroscopy, transitions, and decays of charmonium(-like) states. This talk will review the current status of these analyses, which cover a wide range of topics from radiative and hadronic transitions among charmonium states, the productions and decays of the XYZ states. Especially, the analysis of these samples has resulted in a number of surprising discoveries of the electrically charged "Zc" structures, which, if resonant, cannot be accommodated in the traditional charm quark and anti-charm quark picture of charmonium. In this talk, we will review the current status of the analyses of the Zc structures, as well as a number of other interesting features in the new BESIII data samples.

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