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Light QCD exotics at BESIII

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Charmonium decays offer a promising hunting ground for the investigation of light QCD exotics, particularly gluonic excitations such as glueballs and hybrids. These particles are expected to be copiously produced in the gluon-rich environment characteristic of charmonium decays. In this talk, we will report on the discovery of a glueball-like state, $X(2370)$. Additionally, we will present recent advancements in the study of spin-exotic 1^-+ states, $\eta(1855)$ and $\pi_1(1600)$. Furthermore, the observation of the anomalous shape of $X(1840)$ in $J/\psi \rightarrow \gamma 3(\pi^+\pi^-)$ will be presented as well.

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