

Recent Charmonium results at BESIII

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Recent results on Charmonium spectrum and Charmonium decays at BESIII experiment will be presented. This report includes the following topics: 1, first measurement of the transition rates of $\psi' \rightarrow \pi^0 h_c$ and $h_c \rightarrow \gamma \eta_c$, and improved measurement of the mass and width of the h_c ; 2, observations of $\chi_{cJ} \rightarrow VV$, with VV being $\phi\phi$, $\omega\omega$ and $\omega\phi$, $\chi_{cJ} \rightarrow \omega\phi$ as well as $\chi_{c1} \rightarrow \phi\phi$ and $\omega\omega$ are first observations; 3, improved measurement of the branching fractions of χ_{cJ} decay into neutral pseudo-scalar pairs, including $\chi_{c0,2} \rightarrow \pi^0\pi^0$ and $\chi_{c0,2} \rightarrow \eta\eta$. All these measurements are based on the world largest ψ' data sample collected with the BESIII detector at the BEPCII.

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