

Decays studies of charmonium states at BESIII

Wednesday, 18 August 2021 14:30 (15 minutes)

With 448 M $\psi(2S)$ events collected with the BESIII detector, many decay studies of charmonium states below open-charm threshold have been performed. In this talk, some recent progresses will be presented. It will include an observation of the decays $\chi_{cJ} \rightarrow n K_S \text{ anti-}\Lambda + \text{c.c.}$, measurement of the inclusive branching fraction for $\psi(2S) \rightarrow K_S + \text{anything}$, measurements of the branching fractions of $\psi(3686) \rightarrow \text{anti-}\Sigma^0 \Lambda + \text{c.c.}$ and $\chi_{cJ} (J=0,1,2) \rightarrow \Lambda \text{ anti-}\Lambda$.

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