

Abstract Submitted
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$h_c \rightarrow \gamma\chi_{cJ}$ **Rare Decay Mode Searching** HUA-ZHEN LI, MING-GANG ZHAO, Nankai University — h_c is a charmonium firstly observed by CLEO collaboration. since then, a pile of investigations have been applied to examine its decay modes. However, $h_c \rightarrow \gamma\chi_{cJ}$ decay mode has not been observed yet, which should be a possible radiative decay mode. Thus, in this work, a program selecting $h_c \rightarrow \gamma\chi_{cJ}$ decay mode from both Monte Karlo simulation and real data collected on BESIII experiment has been established, and proved to be effective. But the expected process has not been observed yet.

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