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## Search for BSM rare charm decays at BESIII

*Monday, 17 July 2023 15:00 (20 minutes)*

The BESIII experiment has collected 2.6B  $\psi(2S)$  events and 10B  $J/\psi$  events. The huge data sample provide an excellent chance to search for rare processes in charmonium and charm meson decays. In this talk, we report the recent search for  $J/\psi \rightarrow D^+ e^- \nu_e$ ,  $\psi(2S) \rightarrow \Lambda_c^- \text{anti-Sigma}^+$ . In addition, LFV process  $J/\psi \rightarrow e^- \tau^+ \nu_e$  & BNV/LNV process  $D^0 \rightarrow p^- e^+ n$ , and the FCNC process  $D^0 \rightarrow \pi^0 \nu \bar{\nu}$  is also searched at BESIII.

### Consent

I consent to recording/broadcasting my presentation.

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