

Search for rare decays with charm data at BESIII

The BESIII experiment has collected 2.6 billion of $\Psi(3686)$ events, 10 billion of J/Ψ events, 20 fb^{-1} of D meson pairs at 3.773 GeV, and 7.33 fb^{-1} $D_s D_s^*$ events from 4.128 to 4.226 GeV. The huge data samples allow us to search for rare processes in charm hadron decays. In this talk, we report the search for FCNC decay in $D_s^+ \rightarrow h(h')e^+e^-$, lepton number violation process $D_s^+ \rightarrow h^- h^0 e^+e^+$ and $\phi \rightarrow \pi^+\pi^+e^-e^-$, and lepton flavor violation process $J/\Psi \rightarrow e\mu$ and $J/\Psi \rightarrow e\tau$. The search for J/Ψ weak decays containing D meson, $J/\Psi \rightarrow D^0\mu^+\mu^-$ and $J/\Psi \rightarrow D^0$ will also be presented.

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