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## Recent results on charmed meson decays at BESIII

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The BESIII experiment at BEPCII accumulated the world's largest  $e^+e^-$  collision samples at 3.773 and 4.178 GeV. In (semi-)leptonic decay aspect, we have studied the purely leptonic decays  $D^+ \rightarrow \tau^+\nu$  and  $D_{s1}^+ \rightarrow \mu^+\nu$ , and the semi-leptonic decays of  $D^0$  to  $K(\pi)^-\mu^+\nu$ ,  $D^+ \rightarrow \pi^0\mu^+\nu$ ,  $D^+(\rho^0) \rightarrow \eta(\eta')e^+\nu$  and  $D_{s1}^+ \rightarrow K^{*0}e^+\nu$ . We will report the improved measurements of the branching fractions of these decays and the CKM matrix elements  $|V_{cs}(d)|$ , the  $D(s)^+$  decay constants, the form factors of  $D(s)$  semi-leptonic decays. In hadronic decay aspect, we will report the measurements of the branching fractions of  $D^0(+) \rightarrow PP$  ( $P=Peudecalor$ ) decays, the observations of baryonic decay  $Ds^+ \rightarrow p\bar{n}$ , the pure  $W$ -annihilation decay  $Ds^+ \rightarrow \omega\pi^+$  and  $s\bar{c}$  decay  $Ds^+ \rightarrow \omega K^+$ . In rare decay aspect, we will report the upper limit of branching fractions of radiative decay  $D^+ \rightarrow \gamma e^+\nu$ ,  $c$  quark unchanged decay  $D^+ \rightarrow D^0e^+\nu$  and FCNC process  $D \rightarrow h(h')e^+e^-$ .

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