Doubly Cabibbo suppressed (*DC*) modes, $\Delta C = 1$ weak neutral current (*C1*) modes, or Lepton Family number (*LF*) or Lepton number (*L*) violating modes

$K^+\pi^+\pi^-$	*DC*	$<$ 5	$\times 10^{-3}$	CL=90%	845
$K^+K^+K^-$	*DC*	(5.2 $\pm$2.0)	$\times 10^{-3}$		550
ϕK^+	*DC*	(3.9 $^{+2.2}_{-1.9}$)	$\times 10^{-4}$		527
$\pi^+e^+e^-$	*C1*	$<$ 2.5	$\times 10^{-3}$	CL=90%	929
$\pi^+\mu^+\mu^-$	*C1*	$<$ 2.9	$\times 10^{-3}$	CL=90%	917
$K^+e^+e^-$		[*ll*] $<$ 4.8	$\times 10^{-3}$	CL=90%	870
$K^+\mu^+\mu^-$		[*ll*] $<$ 9.2	$\times 10^{-3}$	CL=90%	856
$\pi^+e^\pm\mu^\mp$	*LF*	[*q*] $<$ 3.8	$\times 10^{-3}$	CL=90%	926
$\pi^+e^+\mu^-$	*LF*	$<$ 3.3	$\times 10^{-3}$	CL=90%	926
$\pi^+e^-\mu^+$	*LF*	$<$ 3.3	$\times 10^{-3}$	CL=90%	926
$K^+e^+\mu^-$	*LF*	$<$ 3.4	$\times 10^{-3}$	CL=90%	866
$K^+e^-\mu^+$	*LF*	$<$ 3.4	$\times 10^{-3}$	CL=90%	866
$\pi^-e^+e^+$	*L*	$<$ 4.8	$\times 10^{-3}$	CL=90%	929
$\pi^-\mu^+\mu^+$	*L*	$<$ 6.8	$\times 10^{-3}$	CL=90%	917
$\pi^-e^+\mu^+$	*L*	$<$ 3.7	$\times 10^{-3}$	CL=90%	926
$K^-e^+e^+$	*L*	$<$ 9.1	$\times 10^{-3}$	CL=90%	870
$K^-\mu^+\mu^+$	*L*	$<$ 4.3	$\times 10^{-3}$	CL=90%	856
$K^-e^+\mu^+$	*L*	$<$ 4.0	$\times 10^{-3}$	CL=90%	866

D^0

$$I(J^P) = \tfrac{1}{2}(0^-)$$

Mass $m = 1864.6 \pm 0.5$ MeV
$|m_{D_1^0} - m_{D_2^0}| < 20 \times 10^{10}\ \hbar\ \mathrm{s}^{-1}$, CL = 90% [*mm*]
$m_{D^\pm} - m_{D^0} = 4.78 \pm 0.10$ MeV
Mean life $\tau = (0.415 \pm 0.004) \times 10^{-12}$ s
$c\tau = 124.4\ \mu$m
$|\tau_{D_1^0} - \tau_{D_2^0}|/\tau_{D^0} < 0.17$, CL = 90% [*mm*]
$\Gamma(K^+\pi^-(\text{via } \overline{D}^0))/\Gamma(K^-\pi^+) < 0.0037$, CL = 90%
$\Gamma(\mu^-\text{X (via } \overline{D}^0))/\Gamma(\mu^+\text{X}) < 0.0056$, CL = 90%
$[\Gamma(D^0 \to K^+K^-) - \Gamma(\overline{D}^0 \to K^+K^-)]/\text{sum} < 0.45$, CL = 90%

$\overline{D}^0$ modes are charge conjugates of the modes below.

D^0 DECAY MODES	Fraction (Γ_i/Γ)	Scale factor/ Confidence level	*p* (MeV/*c*)
Inclusive modes			
e^+ anything	(7.7 $\pm$ 1.2) %	S=1.1	–
μ^+ anything	(10.0 $\pm$ 2.6) %		–
K^- anything	(53 $\pm$ 4) %	S=1.3	–
$\overline{K}^0$ anything + K^0 anything	(42 $\pm$ 5) %		–
K^+ anything	(3.4 $^{+\ 0.6}_{-\ 0.4}$) %		–
η anything	[*gg*] $<$ 13 %	CL=90%	–