CHARMED MESONS
$(C = \pm 1)$

$D^+ = c\overline{d}$, $D^0 = c\overline{u}$, $\overline{D}^0 = \overline{c}u$, $D^- = \overline{c}d$,   similarly for D^*'s

$D^\pm$

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

Mass $m = 1869.3 \pm 0.5$ MeV   (S = 1.1)

Mean life $\tau = (1051 \pm 13) \times 10^{-15}$ s

$\quad c\tau = 315\ \mu$m

c-quark decays

$\Gamma(c \to \ell^+ \text{anything})/\Gamma(c \to \text{anything}) = 0.096 \pm 0.004$ [nn]

$\Gamma(c \to D^*(2010)^+ \text{anything})/\Gamma(c \to \text{anything}) = 0.255 \pm 0.017$

CP-violation decay-rate asymmetries

$A_{CP}(K^0_S \pi^\pm) = -0.016 \pm 0.017$

$A_{CP}(K^0_S K^\pm) = 0.07 \pm 0.06$

$A_{CP}(K^+ K^- \pi^\pm) = 0.002 \pm 0.011$

$A_{CP}(K^\pm K^{*0}) = -0.02 \pm 0.05$

$A_{CP}(\phi \pi^\pm) = -0.014 \pm 0.033$

$A_{CP}(\pi^+ \pi^- \pi^\pm) = -0.02 \pm 0.04$

$D^+ \to \overline{K}^*(892)^0 \ell^+ \nu_\ell$ form factors

$r_v = 1.82 \pm 0.09$

$r_2 = 0.78 \pm 0.07$

$r_3 = 0.0 \pm 0.4$

$\Gamma_L/\Gamma_T = 1.14 \pm 0.08$

$\Gamma_+/\Gamma_- = 0.21 \pm 0.04$ (S = 1.3)

D^- modes are charge conjugates of the modes below.

D^+ DECAY MODES	Fraction (Γ_i/Γ)	Scale factor/ Confidence level	p (MeV/c)
Inclusive modes			
e^+ anything	$(17.2 \pm 1.9\ )\%$		–
K^- anything	$(24.2 \pm 2.8\ )\%$	S=1.4	–
$\overline{K}^0$ anything + K^0 anything	$(59 \pm 7\ )\%$		–
K^+ anything	$(\ 5.8 \pm 1.4\ )\%$		–
η anything	[oo] $< 13\quad\%$	CL=90%	–
ϕ anything	$<\ 1.8\quad\%$	CL=90%	–
ϕe^+ anything	$<\ 1.6\quad\%$	CL=90%	–

Leptonic and semileptonic modes

$\mu^+ \nu_\mu$		(8 $^{+17}_{-5}$) $\times 10^{-4}$		932
$\overline{K}^0 \ell^+ \nu_\ell$	[pp]	(6.7 $\pm$ 0.8) %		–
$\overline{K}^0 e^+ \nu_e$		(6.6 $\pm$ 0.9) %		868
$\overline{K}^0 \mu^+ \nu_\mu$		(7.0 $^{+3.0}_{-2.0}$) %		865
$K^- \pi^+ e^+ \nu_e$		(4.1 $^{+0.9}_{-0.7}$) %		863
$\overline{K}^*(892)^0 e^+ \nu_e$ $\times$ B$(\overline{K}^{*0} \to K^- \pi^+)$		(3.2 $\pm$ 0.33) %		720
$K^- \pi^+ e^+ \nu_e$ nonresonant		< 7 $\times 10^{-3}$	CL=90%	863
$K^- \pi^+ \mu^+ \nu_\mu$		(3.2 $\pm$ 0.4) %	S=1.1	851
$\overline{K}^*(892)^0 \mu^+ \nu_\mu$ $\times$ B$(\overline{K}^{*0} \to K^- \pi^+)$		(3.0 $\pm$ 0.4) %		715
$K^- \pi^+ \mu^+ \nu_\mu$ nonresonant		(2.7 $\pm$ 1.1) $\times 10^{-3}$		851
$(\overline{K}^*(892)\pi)^0 e^+ \nu_e$		< 1.2 %	CL=90%	714
$(\overline{K}\pi\pi)^0 e^+ \nu_e$ non-$\overline{K}^*(892)$		< 9 $\times 10^{-3}$	CL=90%	846
$K^- \pi^+ \pi^0 \mu^+ \nu_\mu$		< 1.4 $\times 10^{-3}$	CL=90%	825
$\pi^0 \ell^+ \nu_\ell$	[qq]	(3.1 $\pm$ 1.5) $\times 10^{-3}$		930

Fractions of some of the following modes with resonances have already appeared above as submodes of particular charged-particle modes.

$\overline{K}^*(892)^0 \ell^+ \nu_\ell$	[pp]	(4.8 $\pm$ 0.4) %		–
$\overline{K}^*(892)^0 e^+ \nu_e$		(4.8 $\pm$ 0.5) %		720
$\overline{K}^*(892)^0 \mu^+ \nu_\mu$		(4.5 $\pm$ 0.6) %	S=1.1	715
$\overline{K}_1(1270)^0 \mu^+ \nu_\mu$		< 3.5 %	CL=95%	493
$\overline{K}_2^*(1430)^0 \mu^+ \nu_\mu$		< 8 $\times 10^{-3}$	CL=95%	374
$\rho^0 e^+ \nu_e$		(2.2 $\pm$ 0.8) $\times 10^{-3}$		776
$\rho^0 \mu^+ \nu_\mu$		(2.7 $\pm$ 0.7) $\times 10^{-3}$		772
$\phi e^+ \nu_e$		< 2.09 %	CL=90%	657
$\phi \mu^+ \nu_\mu$		< 3.72 %	CL=90%	651
$\eta \ell^+ \nu_\ell$		< 5 $\times 10^{-3}$	CL=90%	–
$\eta'(958) \mu^+ \nu_\mu$		< 9 $\times 10^{-3}$	CL=90%	684

Hadronic modes with a $\overline{K}$ or $\overline{K}K\overline{K}$

$\overline{K}^0 \pi^+$		(2.77 $\pm$ 0.18) %	862
$K^- \pi^+ \pi^+$	[rr]	(9.1 $\pm$ 0.6) %	845
$\overline{K}^*(892)^0 \pi^+$ $\times$ B$(\overline{K}^{*0} \to K^- \pi^+)$		(1.28 $\pm$ 0.13) %	712
$\overline{K}_0^*(1430)^0 \pi^+$ $\times$ B$(\overline{K}_0^*(1430)^0 \to K^- \pi^+)$		(2.3 $\pm$ 0.3) %	368
$\overline{K}^*(1680)^0 \pi^+$ $\times$ B$(\overline{K}^*(1680)^0 \to K^- \pi^+)$		(3.7 $\pm$ 0.8) $\times 10^{-3}$	65
$K^- \pi^+ \pi^+$ nonresonant		(8.6 $\pm$ 0.8) %	845

$\overline{K}^0 \pi^+ \pi^0$	[rr]	(9.7 $\pm$ 3.0) %	S=1.1	845
$\overline{K}^0 \rho^+$		(6.6 $\pm$ 2.5) %		680
$\overline{K}^*(892)^0 \pi^+$		(6.4 $\pm$ 0.6) $\times 10^{-3}$		712
$\times$ B($\overline{K}^{*0} \to \overline{K}^0 \pi^0$)				
$\overline{K}^0 \pi^+ \pi^0$ nonresonant		(1.3 $\pm$ 1.1) %		845
$K^- \pi^+ \pi^+ \pi^0$	[rr]	(6.4 $\pm$ 1.1) %		816
$\overline{K}^*(892)^0 \rho^+$ total		(1.4 $\pm$ 0.9) %		423
$\times$ B($\overline{K}^{*0} \to K^- \pi^+$)				
$\overline{K}_1(1400)^0 \pi^+$		(2.1 $\pm$ 0.5) %		390
$\times$ B($\overline{K}_1(1400)^0 \to K^- \pi^+ \pi^0$)				
$K^- \rho^+ \pi^+$ total		(3.1 $\pm$ 1.1) %		616
$K^- \rho^+ \pi^+$ 3-body		(1.1 $\pm$ 0.4) %		616
$\overline{K}^*(892)^0 \pi^+ \pi^0$ total		(4.5 $\pm$ 0.9) %		687
$\times$ B($\overline{K}^{*0} \to K^- \pi^+$)				
$\overline{K}^*(892)^0 \pi^+ \pi^0$ 3-body		(2.8 $\pm$ 0.9) %		687
$\times$ B($\overline{K}^{*0} \to K^- \pi^+$)				
$K^*(892)^- \pi^+ \pi^+$ 3-body		(7 $\pm$ 3) $\times 10^{-3}$		688
$\times$ B($K^{*-} \to K^- \pi^0$)				
$K^- \pi^+ \pi^+ \pi^0$ nonresonant	[ss]	(1.2 $\pm$ 0.6) %		816
$\overline{K}^0 \pi^+ \pi^+ \pi^-$	[rr]	(7.0 $\pm$ 0.9) %		814
$\overline{K}^0 a_1(1260)^+$		(4.0 $\pm$ 0.9) %		328
$\times$ B($a_1(1260)^+ \to \pi^+ \pi^+ \pi^-$)				
$\overline{K}_1(1400)^0 \pi^+$		(2.1 $\pm$ 0.5) %		390
$\times$ B($\overline{K}_1(1400)^0 \to \overline{K}^0 \pi^+ \pi^-$)				
$K^*(892)^- \pi^+ \pi^+$ 3-body		(1.4 $\pm$ 0.6) %		688
$\times$ B($K^{*-} \to \overline{K}^0 \pi^-$)				
$\overline{K}^0 \rho^0 \pi^+$ total		(4.2 $\pm$ 0.9) %		614
$\overline{K}^0 \rho^0 \pi^+$ 3-body		(5 $\pm$ 5) $\times 10^{-3}$		614
$\overline{K}^0 \pi^+ \pi^+ \pi^-$ nonresonant		(8 $\pm$ 4) $\times 10^{-3}$		814
$K^- \pi^+ \pi^+ \pi^+ \pi^-$	[rr]	(7.3 $\pm$ 1.0) $\times 10^{-3}$		772
$\overline{K}^*(892)^0 \pi^+ \pi^+ \pi^-$		(5.5 $\pm$ 2.3) $\times 10^{-3}$		642
$\times$ B($\overline{K}^{*0} \to K^- \pi^+$)				
$\overline{K}^*(892)^0 \rho^0 \pi^+$		(1.9 $^{+ 1.1}_{- 1.0}$) $\times 10^{-3}$		242
$\times$ B($\overline{K}^{*0} \to K^- \pi^+$)				
$\overline{K}^*(892)^0 \pi^+ \pi^+ \pi^-$ no-ρ		(2.9 $\pm$ 1.1) $\times 10^{-3}$		642
$\times$ B($\overline{K}^{*0} \to K^- \pi^+$)				
$K^- \rho^0 \pi^+ \pi^+$		(3.1 $\pm$ 1.0) $\times 10^{-3}$		529
$K^- \pi^+ \pi^+ \pi^+ \pi^-$ nonresonant		< 2.4 $\times 10^{-3}$ CL=90%		772
$\overline{K}^0 \overline{K}^0 K^+$		(1.8 $\pm$ 0.8) %		545
$K^+ K^- \overline{K}^0 \pi^+$		(5.4 $\pm$ 1.4) $\times 10^{-4}$		435

Fractions of some of the following modes with resonances have already
appeared above as submodes of particular charged-particle modes.

$\overline{K}^0 \rho^+$		(6.6 $\pm$ 2.5) %		680
$\overline{K}^0 a_1(1260)^+$		(8.1 $\pm$ 1.7) %		328
$\overline{K}^0 a_2(1320)^+$		< 3 $\times 10^{-3}$	CL=90%	199
$\overline{K}^*(892)^0 \pi^+$		(1.92$\pm$ 0.19) %		712
$\overline{K}^*(892)^0 \rho^+$ total	[ss]	(2.1 $\pm$ 1.4) %		423
$\quad\overline{K}^*(892)^0 \rho^+$ S-wave	[ss]	(1.7 $\pm$ 1.6) %		423
$\quad\overline{K}^*(892)^0 \rho^+$ P-wave		< 1 $\times 10^{-3}$	CL=90%	423
$\quad\overline{K}^*(892)^0 \rho^+$ D-wave		(10 $\pm$ 7) $\times 10^{-3}$		423
$\quad\overline{K}^*(892)^0 \rho^+$ D-wave longitu-dinal		< 7 $\times 10^{-3}$	CL=90%	423
$\overline{K}_1(1270)^0 \pi^+$		< 7 $\times 10^{-3}$	CL=90%	487
$\overline{K}_1(1400)^0 \pi^+$		(4.9 $\pm$ 1.2) %		390
$\overline{K}_0^*(1430)^0 \pi^+$		(3.7 $\pm$ 0.4) %		368
$\overline{K}^*(1680)^0 \pi^+$		(1.45$\pm$ 0.31) %		65
$\overline{K}^*(892)^0 \pi^+ \pi^0$ total		(6.7 $\pm$ 1.4) %		687
$\quad\overline{K}^*(892)^0 \pi^+ \pi^0$ 3-body	[ss]	(4.2 $\pm$ 1.4) %		687
$\quad K^*(892)^- \pi^+ \pi^+$ 3-body		(2.1 $\pm$ 0.9) %		688
$K^- \rho^+ \pi^+$ total		(3.1 $\pm$ 1.1) %		616
$\quad K^- \rho^+ \pi^+$ 3-body		(1.1 $\pm$ 0.4) %		616
$\overline{K}^0 \rho^0 \pi^+$ total		(4.2 $\pm$ 0.9) %	CL=90%	614
$\quad\overline{K}^0 \rho^0 \pi^+$ 3-body		(5 $\pm$ 5) $\times 10^{-3}$		614
$\overline{K}^*(892)^0 \pi^+ \pi^+ \pi^-$		(8.2 $\pm$ 3.4) $\times 10^{-3}$	S=1.7	642
$\quad\overline{K}^*(892)^0 \rho^0 \pi^+$		(2.9 $^{+1.7}_{-1.5}$) $\times 10^{-3}$	S=1.8	242
$\quad\overline{K}^*(892)^0 \pi^+ \pi^+ \pi^-$ no-ρ		(4.3 $\pm$ 1.7) $\times 10^{-3}$		642
$K^- \rho^0 \pi^+ \pi^+$		(3.1 $\pm$ 1.0) $\times 10^{-3}$		529

Pionic modes

$\pi^+ \pi^0$		(2.5 $\pm$ 0.7) $\times 10^{-3}$		925
$\pi^+ \pi^+ \pi^-$		(3.1 $\pm$ 0.4) $\times 10^{-3}$	S=1.5	908
$\quad \sigma \pi^+$		(2.1 $\pm$ 0.5) $\times 10^{-3}$		–
$\quad \rho^0 \pi^+$		(1.04$\pm$ 0.18) $\times 10^{-3}$		769
$\quad f_0(980) \pi^+$ $\times$ B($f_0 \to \pi^+ \pi^-$)	[tt]	(1.9 $\pm$ 0.5) $\times 10^{-4}$		669
$\quad f_2(1270) \pi^+$ $\times$ B($f_2 \to \pi^+ \pi^-$)		(6.0 $\pm$ 1.1) $\times 10^{-4}$		485
$\quad \pi^+ \pi^+ \pi^-$ nonresonant		(2.4 $\pm$ 2.1) $\times 10^{-4}$		908
$\pi^+ \pi^+ \pi^- \pi^0$		—		882
$\quad \eta \pi^+ \times$ B($\eta \to \pi^+ \pi^- \pi^0$)		(6.9 $\pm$ 1.4) $\times 10^{-4}$		848
$\quad \omega \pi^+ \times$ B($\omega \to \pi^+ \pi^- \pi^0$)		< 6 $\times 10^{-3}$	CL=90%	764
$\pi^+ \pi^+ \pi^+ \pi^- \pi^-$		(2.1 $\pm$ 0.4) $\times 10^{-3}$		845

Fractions of some of the following modes with resonances have already appeared above as submodes of particular charged-particle modes.

$\eta\pi^+$	$(3.0 \pm 0.6) \times 10^{-3}$		848
$\rho^0\pi^+$	$(1.04 \pm 0.18) \times 10^{-3}$		769
$\omega\pi^+$	$< 7 \quad\times 10^{-3}$	CL=90%	764
$\eta\rho^+$	$< 7 \quad\times 10^{-3}$	CL=90%	658
$\eta'(958)\pi^+$	$(5.0 \pm 1.0) \times 10^{-3}$		680
$\eta'(958)\rho^+$	$< 5 \quad\times 10^{-3}$	CL=90%	355
$f_2(1270)\pi^+$	$(1.06 \pm 0.20) \times 10^{-3}$		485

Hadronic modes with a $K\overline{K}$ pair

$K^+\overline{K}^0$		$(5.8 \pm 0.6) \times 10^{-3}$	S=1.2	792
$K^+K^-\pi^+$	[rr]	$(8.8 \pm 0.8) \times 10^{-3}$		744
$\quad \phi\pi^+ \times$ B$(\phi \to K^+K^-)$		$(3.0 \pm 0.3) \times 10^{-3}$		647
$\quad K^+\overline{K}^*(892)^0$		$(2.8 \pm 0.4) \times 10^{-3}$		610
$\quad\quad \times$ B$(\overline{K}^{*0} \to K^-\pi^+)$				
$\quad K^+K^-\pi^+$ nonresonant		$(4.5 \pm 0.9) \times 10^{-3}$		744
$K^0\overline{K}^0\pi^+$		—		741
$\quad K^*(892)^+\overline{K}^0$		$(2.1 \pm 0.9) \%$		611
$\quad\quad \times$ B$(K^{*+} \to K^0\pi^+)$				
$K^+K^-\pi^+\pi^0$		—		682
$\quad \phi\pi^+\pi^0 \times$ B$(\phi \to K^+K^-)$		$(1.1 \pm 0.5) \%$		619
$\quad\quad \phi\rho^+ \times$ B$(\phi \to K^+K^-)$		$< 7 \quad\times 10^{-3}$	CL=90%	268
$\quad K^+K^-\pi^+\pi^0$ non-ϕ		$(1.5 ^{+ 0.7}_{- 0.6}) \%$		682
$K^+\overline{K}^0\pi^+\pi^-$		$(4.0 \pm 0.7) \times 10^{-3}$		678
$K^0 K^-\pi^+\pi^+$		$(5.4 \pm 0.8) \times 10^{-3}$		678
$\quad K^*(892)^+\overline{K}^*(892)^0$		$(1.2 \pm 0.5) \%$		273
$\quad\quad \times$ B$^2(K^{*+} \to K^0\pi^+)$				
$\quad K^0 K^-\pi^+\pi^+$ non-$K^{*+}\overline{K}^{*0}$		$< 7.9 \quad\times 10^{-3}$	CL=90%	678
$K^+K^-\pi^+\pi^+\pi^-$		—		600
$\quad \phi\pi^+\pi^+\pi^-$		$< 1 \quad\times 10^{-3}$	CL=90%	565
$\quad\quad \times$ B$(\phi \to K^+K^-)$				
$\quad K^+K^-\pi^+\pi^+\pi^-$ nonresonant		$< 3 \quad\%$	CL=90%	600

Fractions of the following modes with resonances have already appeared above as submodes of particular charged-particle modes.

$\phi\pi^+$	$(6.1 \pm 0.6) \times 10^{-3}$		647
$\phi\pi^+\pi^0$	$(2.3 \pm 1.0) \%$		619
$\phi\rho^+$	$< 1.4 \quad\%$	CL=90%	268
$\phi\pi^+\pi^+\pi^-$	$< 2 \quad\times 10^{-3}$	CL=90%	565
$K^+\overline{K}^*(892)^0$	$(4.2 \pm 0.5) \times 10^{-3}$		610
$K^*(892)^+\overline{K}^0$	$(3.1 \pm 1.4) \%$		611
$K^*(892)^+\overline{K}^*(892)^0$	$(2.6 \pm 1.1) \%$		273

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		$(6.8 \pm 1.5) \times 10^{-4}$		845
$K^+\rho^0$	DC		$(2.5 \pm 1.2) \times 10^{-4}$		681
$K^*(892)^0\pi^+$	DC		$(3.6 \pm 1.6) \times 10^{-4}$		712
$K^+\pi^+\pi^-$ nonresonant	DC		$(2.5 \pm 1.2) \times 10^{-4}$		845
$K^+K^+K^-$	DC		$< \;1.4 \quad \times 10^{-4}$	CL=90%	550
ϕK^+	DC		$< \;1.3 \quad \times 10^{-4}$	CL=90%	527
$\pi^+e^+e^-$	C1		$< \;5.2 \quad \times 10^{-5}$	CL=90%	929
$\pi^+\mu^+\mu^-$	C1		$< \;1.5 \quad \times 10^{-5}$	CL=90%	917
$\rho^+\mu^+\mu^-$	C1		$< \;5.6 \quad \times 10^{-4}$	CL=90%	759
$K^+e^+e^-$		[uu]	$< \;2.0 \quad \times 10^{-4}$	CL=90%	869
$K^+\mu^+\mu^-$		[uu]	$< \;4.4 \quad \times 10^{-5}$	CL=90%	856
$\pi^+e^\pm\mu^\mp$	LF	[ff]	$< \;3.4 \quad \times 10^{-5}$	CL=90%	926
$K^+e^\pm\mu^\mp$	LF	[ff]	$< \;6.8 \quad \times 10^{-5}$	CL=90%	866
$\pi^-e^+e^+$	L		$< \;9.6 \quad \times 10^{-5}$	CL=90%	929
$\pi^-\mu^+\mu^+$	L		$< \;1.7 \quad \times 10^{-5}$	CL=90%	917
$\pi^-e^+\mu^+$	L		$< \;5.0 \quad \times 10^{-5}$	CL=90%	926
$\rho^-\mu^+\mu^+$	L		$< \;5.6 \quad \times 10^{-4}$	CL=90%	759
$K^-e^+e^+$	L		$< \;1.2 \quad \times 10^{-4}$	CL=90%	869
$K^-\mu^+\mu^+$	L		$< \;1.2 \quad \times 10^{-4}$	CL=90%	856
$K^-e^+\mu^+$	L		$< \;1.3 \quad \times 10^{-4}$	CL=90%	866
$K^*(892)^-\mu^+\mu^+$	L		$< \;8.5 \quad \times 10^{-4}$	CL=90%	703

D^0 $\qquad\qquad I(J^P) = \frac{1}{2}(0^-)$

Mass $m = 1864.5 \pm 0.5$ MeV $\quad (S = 1.1)$

$m_{D^\pm} - m_{D^0} = 4.78 \pm 0.10$ MeV $\quad (S = 1.1)$

Mean life $\tau = (411.7 \pm 2.7) \times 10^{-15}$ s

$\qquad c\tau = 123.4\ \mu$m

$\left| m_{D_1^0} - m_{D_2^0} \right| < 7 \times 10^{10}\ \hbar\ \text{s}^{-1}$, CL = 95% [vv]

$(\Gamma_{D_1^0} - \Gamma_{D_2^0})/\Gamma = 2y = -0.003 \pm 0.022 \quad (S = 1.4)$

$\Gamma(K^+\ell^-\overline{\nu}_\ell\ (\text{via}\ \overline{D}^0))/\Gamma(K^-\ell^+\nu_\ell) < 0.005$, CL = 90%

$\Gamma(K^+\pi^-\ (\text{via}\ \overline{D}^0))/\Gamma(K^-\pi^+) < 4.1 \times 10^{-4}$, CL = 95%

CP-violation decay-rate asymmetries

$$A_{CP}(K^+ K^-) = 0.005 \pm 0.016$$
$$A_{CP}(K^0_S K^0_S) = -0.23 \pm 0.19$$
$$A_{CP}(\pi^+ \pi^-) = 0.021 \pm 0.026$$
$$A_{CP}(\pi^0 \pi^0) = 0.00 \pm 0.05$$
$$A_{CP}(K^0_S \phi) = -0.03 \pm 0.09$$
$$A_{CP}(K^0_S \pi^0) = 0.001 \pm 0.013$$
$$A_{CP}(K^\pm \pi^\mp) = 0.02 \pm 0.20$$
$$A_{CP}(K^\mp \pi^\pm \pi^0) = -0.03 \pm 0.09$$
$$A_{CP}(K^\pm \pi^\mp \pi^0) = 0.09^{+0.25}_{-0.22}$$

$\overline{D}^0$ 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	[ww]	(6.87$\pm$0.28) %		$-$
μ^+ anything		(6.5 $\pm$0.8) %		$-$
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	[oo]	< 13 %	CL=90%	$-$
ϕ anything		(1.7 $\pm$0.8) %		$-$
Semileptonic modes				
$K^- \ell^+ \nu_\ell$	[pp]	(3.43$\pm$0.15) %	S=1.2	867
$K^- e^+ \nu_e$		(3.58$\pm$0.18) %	S=1.1	867
$K^- \mu^+ \nu_\mu$		(3.19$\pm$0.17) %		863
$K^- \pi^0 e^+ \nu_e$		(1.1 $^{+0.8}_{-0.6}$) %	S=1.6	861
$\overline{K}^0 \pi^- e^+ \nu_e$		(1.8 $\pm$0.8) %	S=1.6	860
$\overline{K}^*(892)^- e^+ \nu_e$ $\times$ B($K^{*-} \to \overline{K}^0 \pi^-$)		(1.43$\pm$0.23) %		719
$K^- \pi^+ \pi^- \mu^+ \nu_\mu$		< 1.2 $\times 10^{-3}$	CL=90%	821
$(\overline{K}^*(892)\pi)^- \mu^+ \nu_\mu$		< 1.4 $\times 10^{-3}$	CL=90%	693
$\pi^- e^+ \nu_e$		(3.6 $\pm$0.6) $\times 10^{-3}$		927

A fraction of the following resonance mode has already appeared above as a submode of a charged-particle mode.

$K^*(892)^- e^+ \nu_e$		(2.14$\pm$0.35) %		719

Hadronic modes with a $\overline{K}$ or $\overline{K}K\overline{K}$

$K^-\pi^+$		(3.80±0.09) %		861
$\overline{K}^0\pi^0$		(2.28±0.22) %		860
$\overline{K}^0\pi^+\pi^-$	[rr]	(5.92±0.35) %	S=1.1	842
$\overline{K}^0\rho^0$		(1.47±0.29) %		676
$\overline{K}^0 f_0(980)$ $\times$ B($f_0 \to \pi^+\pi^-$)		(3.2 ±0.9) $\times 10^{-3}$		549
$\overline{K}^0 f_2(1270)$ $\times$ B($f_2 \to \pi^+\pi^-$)		(2.5 ±1.0) $\times 10^{-3}$		263
$\overline{K}^0 f_0(1370)$ $\times$ B($f_0 \to \pi^+\pi^-$)		(4.7 ±1.4) $\times 10^{-3}$		–
$K^*(892)^-\pi^+$ $\times$ B($K^{*-} \to \overline{K}^0\pi^-$)		(4.0 ±0.4) %		711
$K_0^*(1430)^-\pi^+$ $\times$ B($K_0^*(1430)^- \to \overline{K}^0\pi^-$)		(7.3 ±1.6) $\times 10^{-3}$		364
$K^-\pi^+\pi^0$	[rr]	(13.1 ±0.9) %	S=1.3	844
$K^-\rho^+$		(10.2 ±0.9) %		678
$K^-\rho(1700)^+$ $\times$ B($\rho(1700)^+ \to \pi^+\pi^0$)		(7.5 ±1.7) $\times 10^{-3}$		–
$K^*(892)^-\pi^+$ $\times$ B($K^{*-} \to K^-\pi^0$)		(2.0 ±0.2) %		711
$\overline{K}^*(892)^0\pi^0$ $\times$ B($\overline{K}^{*0} \to K^-\pi^+$)		(1.87±0.27) %		709
$K_0^*(1430)^-\pi^+$ $\times$ B($K_0^*(1430)^- \to K^-\pi^0$)		(3.6 ±0.8) $\times 10^{-3}$		364
$\overline{K}_0^*(1430)^0\pi^0$ $\times$ B($\overline{K}_0^*(1430)^0 \to K^-\pi^+$)		(5.3 $^{+4.2}_{-1.4}$) $\times 10^{-3}$		365
$K^*(1680)^-\pi^+$ $\times$ B($K^*(1680)^- \to K^-\pi^0$)		(1.7 ±0.6) $\times 10^{-3}$		115
$K^-\pi^+\pi^0$ nonresonant		(1.05$^{+0.51}_{-0.19}$) %		844
$\overline{K}^0\pi^0\pi^0$		—		843
$\overline{K}^*(892)^0\pi^0$ $\times$ B($\overline{K}^{*0} \to \overline{K}^0\pi^0$)		(9.3 ±1.3) $\times 10^{-3}$		709
$\overline{K}^0\pi^0\pi^0$ nonresonant		(8.4 ±2.2) $\times 10^{-3}$		843
$K^-\pi^+\pi^+\pi^-$	[rr]	(7.46±0.31) %		812
$K^-\pi^+\rho^0$ total		(6.2 ±0.4) %		612
$K^-\pi^+\rho^0$ 3-body		(4.7 ±2.1) $\times 10^{-3}$		612
$\overline{K}^*(892)^0\rho^0$ $\times$ B($\overline{K}^{*0} \to K^-\pi^+$)		(9.7 ±2.1) $\times 10^{-3}$		418
$K^-a_1(1260)^+$ $\times$ B($a_1(1260)^+ \to \pi^+\pi^+\pi^-$)		(3.6 ±0.6) %		327

$\overline{K}^*(892)^0 \pi^+ \pi^-$ total $\times$ B($\overline{K}^{*0} \rightarrow K^- \pi^+$)		(1.5 $\pm$0.4) %	683
$\overline{K}^*(892)^0 \pi^+ \pi^-$ 3-body $\times$ B($\overline{K}^{*0} \rightarrow K^- \pi^+$)		(9.5 $\pm$2.1) $\times 10^{-3}$	683
$K_1(1270)^- \pi^+$ $\times$ B($K_1(1270)^- \rightarrow K^- \pi^+ \pi^-$)	[ss]	(3.7 $\pm$1.0) $\times 10^{-3}$	483
$K^- \pi^+ \pi^+ \pi^-$ nonresonant		(1.74$\pm$0.25) %	812
$\overline{K}^0 \pi^+ \pi^- \pi^0$	[rr]	(10.8 $\pm$1.3) %	812
$\overline{K}^0 \eta \times$ B($\eta \rightarrow \pi^+ \pi^- \pi^0$)		(1.7 $\pm$0.3) $\times 10^{-3}$	772
$\overline{K}^0 \omega \times$ B($\omega \rightarrow \pi^+ \pi^- \pi^0$)		(2.2 $\pm$0.4) %	670
$K^*(892)^- \rho^+$ $\times$ B($K^{*-} \rightarrow \overline{K}^0 \pi^-$)		(4.3 $\pm$1.7) %	422
$\overline{K}^*(892)^0 \rho^0$ $\times$ B($\overline{K}^{*0} \rightarrow \overline{K}^0 \pi^0$)		(4.8 $\pm$1.1) $\times 10^{-3}$	418
$K_1(1270)^- \pi^+$ $\times$ B($K_1(1270)^- \rightarrow \overline{K}^0 \pi^- \pi^0$)	[ss]	(5.3 $\pm$1.5) $\times 10^{-3}$	483
$\overline{K}^*(892)^0 \pi^+ \pi^-$ 3-body $\times$ B($\overline{K}^{*0} \rightarrow \overline{K}^0 \pi^0$)		(4.7 $\pm$1.0) $\times 10^{-3}$	683
$\overline{K}^0 \pi^+ \pi^- \pi^0$ nonresonant		(2.3 $\pm$2.3) %	812
$K^- \pi^+ \pi^+ \pi^- \pi^0$		(4.0 $\pm$0.4) %	771
$\overline{K}^*(892)^0 \pi^+ \pi^- \pi^0$ $\times$ B($\overline{K}^{*0} \rightarrow K^- \pi^+$)		(1.2 $\pm$0.6) %	641
$\overline{K}^*(892)^0 \eta$ $\times$ B($\overline{K}^{*0} \rightarrow K^- \pi^+$) $\times$ B($\eta \rightarrow \pi^+ \pi^- \pi^0$)		(2.8 $\pm$0.6) $\times 10^{-3}$	580
$K^- \pi^+ \omega \times$ B($\omega \rightarrow \pi^+ \pi^- \pi^0$)		(2.7 $\pm$0.5) %	605
$\overline{K}^*(892)^0 \omega$ $\times$ B($\overline{K}^{*0} \rightarrow K^- \pi^+$) $\times$ B($\omega \rightarrow \pi^+ \pi^- \pi^0$)		(6.5 $\pm$2.4) $\times 10^{-3}$	406
$\overline{K}^0 \pi^+ \pi^+ \pi^- \pi^-$		(6.3 $\pm$1.8) $\times 10^{-3}$	768
$\overline{K}^0 K^+ K^-$		(1.02$\pm$0.10) %	544
$\overline{K}^0 \phi \times$ B($\phi \rightarrow K^+ K^-$)		(4.7 $\pm$0.6) $\times 10^{-3}$	520
$\overline{K}^0 K^+ K^-$ non-ϕ		(5.5 $\pm$0.9) $\times 10^{-3}$	544
$K_S^0 K_S^0 K_S^0$		(9.1 $\pm$1.6) $\times 10^{-4}$	538
$K^+ K^- K^- \pi^+$		(2.4 $\pm$0.7) $\times 10^{-4}$	434

Fractions of many of the following modes with resonances have already appeared above as submodes of particular charged-particle modes. (Modes for which there are only upper limits and $\overline{K}{}^*(892)\rho$ submodes only appear below.)

$\overline{K}{}^0\eta$	$(\ 7.6\ \pm1.1\ )\times10^{-3}$		772
$\overline{K}{}^0\rho^0$	$(\ 1.47\pm0.29)\ \%$		676
$K^-\rho^+$	$(10.2\ \pm0.8\ )\ \%$	S=1.2	678
$\overline{K}{}^0\omega$	$(\ 2.2\ \pm0.4\ )\ \%$		670
$\overline{K}{}^0\eta'(958)$	$(\ 1.87\pm0.28)\ \%$		565
$\overline{K}{}^0\phi$	$(\ 9.4\ \pm1.1\ )\times10^{-3}$		520
$K^-a_1(1260)^+$	$(\ 7.2\ \pm1.1\ )\ \%$		327
$\overline{K}{}^0a_1(1260)^0$	$<\ 1.9\ \ \%$	CL=90%	322
$\overline{K}{}^0f_2(1270)$	$(\ 4.5\ \pm1.7\ )\times10^{-3}$		263
$K^-a_2(1320)^+$	$<\ 2\ \ \times10^{-3}$	CL=90%	197
$K^*(892)^-\pi^+$	$(\ 6.0\ \pm0.5\ )\ \%$	S=1.2	711
$\overline{K}{}^*(892)^0\pi^0$	$(\ 2.8\ \pm0.4\ )\ \%$	S=1.1	709
$\overline{K}{}^*(892)^0\pi^+\pi^-$ total	$(\ 2.2\ \pm0.5\ )\ \%$		683
$\quad\overline{K}{}^*(892)^0\pi^+\pi^-$ 3-body	$(\ 1.42\pm0.31)\ \%$		683
$K^-\pi^+\rho^0$ total	$(\ 6.2\ \pm0.4\ )\ \%$		612
$\quad K^-\pi^+\rho^0$ 3-body	$(\ 4.7\ \pm2.1\ )\times10^{-3}$		612
$\quad\overline{K}{}^*(892)^0\rho^0$	$(\ 1.45\pm0.32)\ \%$		418
$\quad\quad\overline{K}{}^*(892)^0\rho^0$ transverse	$(\ 1.5\ \pm0.5\ )\ \%$		418
$\quad\quad\overline{K}{}^*(892)^0\rho^0$ S-wave	$(\ 2.8\ \pm0.6\ )\ \%$		418
$\quad\quad\overline{K}{}^*(892)^0\rho^0$ S-wave long.	$<\ 3\ \ \times10^{-3}$	CL=90%	418
$\quad\quad\overline{K}{}^*(892)^0\rho^0$ P-wave	$<\ 3\ \ \times10^{-3}$	CL=90%	418
$\quad\quad\overline{K}{}^*(892)^0\rho^0$ D-wave	$(\ 1.9\ \pm0.6\ )\ \%$		418
$K^*(892)^-\rho^+$	$(\ 6.5\ \pm2.6\ )\ \%$		422
$\quad K^*(892)^-\rho^+$ longitudinal	$(\ 3.1\ \pm1.3\ )\ \%$		422
$\quad K^*(892)^-\rho^+$ transverse	$(\ 3.4\ \pm2.0\ )\ \%$		422
$\quad K^*(892)^-\rho^+$ P-wave	$<\ 1.5\ \ \%$	CL=90%	422
$K_1(1270)^-\pi^+$	[ss] $(\ 1.13\pm0.31)\ \%$		483
$K_1(1400)^-\pi^+$	$<\ 1.2\ \ \%$	CL=90%	386
$\overline{K}_1(1400)^0\pi^0$	$<\ 3.7\ \ \%$	CL=90%	387
$K_0^*(1430)^-\pi^+$	$(\ 1.18\pm0.25)\ \%$		364
$\overline{K}_0^*(1430)^0\pi^0$	$(\ 8.6\ {}^{+6.8}_{-2.3}\ )\times10^{-3}$		–
$K_2^*(1430)^-\pi^+$	$<\ 9\ \ \times10^{-3}$	CL=90%	367
$\overline{K}_2^*(1430)^0\pi^0$	$<\ 3.4\ \ \times10^{-3}$	CL=90%	363
$K^*(1680)^-\pi^+$	$(\ 1.3\ \pm0.5\ )\ \%$		–
$\overline{K}{}^*(892)^0\pi^+\pi^-\pi^0$	$(\ 1.8\ \pm0.9\ )\ \%$		641
$\quad\overline{K}{}^*(892)^0\eta$	$(\ 1.8\ \pm0.4\ )\ \%$		580
$K^-\pi^+\omega$	$(\ 3.0\ \pm0.6\ )\ \%$		605

$\overline{K}^*(892)^0\,\omega$	(1.1 $\pm$0.4) %			406
$K^-\pi^+\eta'(958)$	(6.9 $\pm$1.8) $\times 10^{-3}$			479
$\overline{K}^*(892)^0\,\eta'(958)$	< 1.0 $\times 10^{-3}$	CL=90%		99
$K^-\pi^+\phi$	(3.3 $\pm$1.7) $\times 10^{-4}$			–

Pionic modes

$\pi^+\pi^-$	(1.43$\pm$0.07) $\times 10^{-3}$		922
$\pi^0\pi^0$	(8.4 $\pm$2.2) $\times 10^{-4}$		922
$\pi^+\pi^-\pi^0$	(1.1 $\pm$0.4) %		907
$\pi^+\pi^+\pi^-\pi^-$	(7.3 $\pm$0.5) $\times 10^{-3}$		879

Hadronic modes with a $K\overline{K}$ pair

K^+K^-	(4.12$\pm$0.14) $\times 10^{-3}$			791
$K^0\overline{K}^0$	(7.1 $\pm$1.9) $\times 10^{-4}$	S=1.2		788
$K^0 K^-\pi^+$	(6.9 $\pm$1.0) $\times 10^{-3}$	S=1.1		739
$\overline{K}^*(892)^0 K^0$	< 1.1 $\times 10^{-3}$	CL=90%		605
$\quad\times$ B($\overline{K}^{*0}\to\ K^-\pi^+$)				
$K^*(892)^+ K^-$	(2.5 $\pm$0.5) $\times 10^{-3}$			610
$\quad\times$ B($K^{*+}\to\ K^0\pi^+$)				
$K^0 K^-\pi^+$ nonresonant	(2.3 $\pm$2.3) $\times 10^{-3}$			739
$\overline{K}^0 K^+\pi^-$	(5.2 $\pm$1.0) $\times 10^{-3}$			739
$K^*(892)^0\overline{K}^0$	< 6 $\times 10^{-4}$	CL=90%		605
$\quad\times$ B($K^{*0}\to\ K^+\pi^-$)				
$K^*(892)^- K^+$	(1.3 $\pm$0.7) $\times 10^{-3}$			610
$\quad\times$ B($K^{*-}\to\ \overline{K}^0\pi^-$)				
$\overline{K}^0 K^+\pi^-$ nonresonant	(3.8 $^{+2.3}_{-1.9}$) $\times 10^{-3}$			739
$K^+ K^-\pi^0$	(1.24$\pm$0.35) $\times 10^{-3}$			742
$K^0_S K^0_S\pi^0$	< 5.9 $\times 10^{-4}$			739
$K^+ K^-\pi^+\pi^-$	[xx] (2.49$\pm$0.23) $\times 10^{-3}$			676
$\phi\pi^+\pi^- \times$ B($\phi\to\ K^+ K^-$)	(5.3 $\pm$1.4) $\times 10^{-4}$			614
$\phi\rho^0 \times$ B($\phi\to\ K^+ K^-$)	(2.9 $\pm$1.5) $\times 10^{-4}$			260
$K^+ K^-\rho^0$ 3-body	(9.0 $\pm$2.3) $\times 10^{-4}$			309
$K^*(892)^0 K^-\pi^+$ +c.c.	[yy] < 5 $\times 10^{-4}$			528
$\quad\times$ B($K^{*0}\to\ K^+\pi^-$)				
$K^*(892)^0\overline{K}^*(892)^0$	(6 $\pm$2) $\times 10^{-4}$			257
$\quad\times$ B^2($K^{*0}\to\ K^+\pi^-$)				
$K^+ K^-\pi^+\pi^-$ nonresonant	< 8 $\times 10^{-4}$	CL=90%		676
$K^0\overline{K}^0\pi^+\pi^-$	(7.5 $\pm$2.9) $\times 10^{-3}$			673
$K^+ K^-\pi^+\pi^-\pi^0$	(3.1 $\pm$2.0) $\times 10^{-3}$			600

Fractions of most of the following modes with resonances have already appeared above as submodes of particular charged-particle modes.

$\overline{K}{}^*(892)^0 K^0$	$< 1.7 \quad \times 10^{-3}$	CL=90%	605
$K^*(892)^+ K^-$	$(3.8 \pm 0.8) \times 10^{-3}$		610
$K^*(892)^0 \overline{K}{}^0$	$< 9 \quad \times 10^{-4}$	CL=90%	605
$K^*(892)^- K^+$	$(2.0 \pm 1.1) \times 10^{-3}$		610
$\phi \pi^0$	$< 1.4 \quad \times 10^{-3}$	CL=90%	644
$\phi \eta$	$< 2.8 \quad \times 10^{-3}$	CL=90%	489
$\phi \omega$	$< 2.1 \quad \times 10^{-3}$	CL=90%	239
$\phi \pi^+ \pi^-$	$(1.07 \pm 0.28) \times 10^{-3}$		614
$\quad \phi \rho^0$	$(5.7 \pm 3.0) \times 10^{-4}$		260
$\quad \phi \pi^+ \pi^-$ 3-body	$(7 \quad \pm 5 \quad) \times 10^{-4}$		614
$K^*(892)^0 K^- \pi^+ +$ c.c.	$[yy] < 7 \quad \times 10^{-4}$	CL=90%	528
$\quad K^*(892)^0 \overline{K}{}^*(892)^0$	$(1.4 \pm 0.5) \times 10^{-3}$		257

Radiative modes

$\rho^0 \gamma$	$< 2.4 \quad \times 10^{-4}$	CL=90%	773
$\omega \gamma$	$< 2.4 \quad \times 10^{-4}$	CL=90%	768
$\phi \gamma$	$< 1.9 \quad \times 10^{-4}$	CL=90%	654
$\overline{K}{}^*(892)^0 \gamma$	$< 7.6 \quad \times 10^{-4}$	CL=90%	717

Doubly Cabibbo suppressed (*DC*) modes, $\Delta C = 2$ forbidden via mixing (*C2M*) modes, $\Delta C = 1$ weak neutral current (*C1*) modes, Lepton Family number (*LF*) violating modes, or Lepton number (*L*) violating modes

$K^+ \ell^- \overline{\nu}_\ell$ (via $\overline{D}{}^0$)	*C2M*	$< 1.7 \quad \times 10^{-4}$	CL=90%	–
$K^+ \pi^-$	*DC*	$(1.48 \pm 0.21) \times 10^{-4}$		861
$K^+ \pi^-$ (via $\overline{D}{}^0$)	*C2M*	$< 1.6 \quad \times 10^{-5}$	CL=95%	861
$K^+ \pi^- \pi^0$		$(5.6 \pm 1.7) \times 10^{-4}$		844
$K^+ \pi^- \pi^+ \pi^-$	*DC*	$(3.1 \pm 1.0) \times 10^{-4}$		812
$K^+ \pi^- \pi^+ \pi^-$ (via $\overline{D}{}^0$)	*C2M*	$< 4 \quad \times 10^{-4}$	CL=90%	812
$K^+ \pi^-$ or $\quad K^+ \pi^- \pi^+ \pi^-$ (via $\overline{D}{}^0$)		$< 1.0 \quad \times 10^{-3}$	CL=90%	–
μ^- anything (via $\overline{D}{}^0$)	*C2M*	$< 4 \quad \times 10^{-4}$	CL=90%	–
$e^+ e^-$	*C1*	$< 6.2 \quad \times 10^{-6}$	CL=90%	932
$\mu^+ \mu^-$	*C1*	$< 4.1 \quad \times 10^{-6}$	CL=90%	926
$\pi^0 e^+ e^-$	*C1*	$< 4.5 \quad \times 10^{-5}$	CL=90%	927
$\pi^0 \mu^+ \mu^-$	*C1*	$< 1.8 \quad \times 10^{-4}$	CL=90%	915
$\eta e^+ e^-$	*C1*	$< 1.1 \quad \times 10^{-4}$	CL=90%	852
$\eta \mu^+ \mu^-$	*C1*	$< 5.3 \quad \times 10^{-4}$	CL=90%	838
$\pi^+ \pi^- e^+ e^-$	*C1*	$< 3.73 \quad \times 10^{-4}$	CL=90%	922
$\rho^0 e^+ e^-$	*C1*	$< 1.0 \quad \times 10^{-4}$	CL=90%	773
$\pi^+ \pi^- \mu^+ \mu^-$	*C1*	$< 3.0 \quad \times 10^{-5}$	CL=90%	894
$\rho^0 \mu^+ \mu^-$	*C1*	$< 2.2 \quad \times 10^{-5}$	CL=90%	756

$\omega\, e^+ e^-$	C1		$<$ 1.8	$\times 10^{-4}$	CL=90%	768
$\omega\, \mu^+ \mu^-$	C1		$<$ 8.3	$\times 10^{-4}$	CL=90%	751
$K^- K^+ e^+ e^-$	C1		$<$ 3.15	$\times 10^{-4}$	CL=90%	790
$\phi\, e^+ e^-$	C1		$<$ 5.2	$\times 10^{-5}$	CL=90%	654
$K^- K^+ \mu^+ \mu^-$	C1		$<$ 3.3	$\times 10^{-5}$	CL=90%	709
$\phi\, \mu^+ \mu^-$	C1		$<$ 3.1	$\times 10^{-5}$	CL=90%	631
$\overline{K}^0 e^+ e^-$		[uu] $<$	1.1	$\times 10^{-4}$	CL=90%	866
$\overline{K}^0 \mu^+ \mu^-$		[uu] $<$	2.6	$\times 10^{-4}$	CL=90%	852
$K^- \pi^+ e^+ e^-$	C1		$<$ 3.85	$\times 10^{-4}$	CL=90%	861
$\overline{K}^*(892)^0 e^+ e^-$		[uu] $<$	4.7	$\times 10^{-5}$	CL=90%	717
$K^- \pi^+ \mu^+ \mu^-$	C1		$<$ 3.59	$\times 10^{-4}$	CL=90%	829
$\overline{K}^*(892)^0 \mu^+ \mu^-$		[uu] $<$	2.4	$\times 10^{-5}$	CL=90%	698
$\pi^+ \pi^- \pi^0 \mu^+ \mu^-$	C1		$<$ 8.1	$\times 10^{-4}$	CL=90%	863
$\mu^\pm e^\mp$	LF	[ff] $<$	8.1	$\times 10^{-6}$	CL=90%	929
$\pi^0 e^\pm \mu^\mp$	LF	[ff] $<$	8.6	$\times 10^{-5}$	CL=90%	924
$\eta\, e^\pm \mu^\mp$	LF	[ff] $<$	1.0	$\times 10^{-4}$	CL=90%	848
$\pi^+ \pi^- e^\pm \mu^\mp$	LF	[ff] $<$	1.5	$\times 10^{-5}$	CL=90%	911
$\rho^0 e^\pm \mu^\mp$	LF	[ff] $<$	4.9	$\times 10^{-5}$	CL=90%	769
$\omega\, e^\pm \mu^\mp$	LF	[ff] $<$	1.2	$\times 10^{-4}$	CL=90%	764
$K^- K^+ e^\pm \mu^\mp$	LF	[ff] $<$	1.8	$\times 10^{-4}$	CL=90%	754
$\phi\, e^\pm \mu^\mp$	LF	[ff] $<$	3.4	$\times 10^{-5}$	CL=90%	648
$\overline{K}^0 e^\pm \mu^\mp$	LF	[ff] $<$	1.0	$\times 10^{-4}$	CL=90%	862
$K^- \pi^+ e^\pm \mu^\mp$	LF	[ff] $<$	5.53	$\times 10^{-4}$	CL=90%	848
$\overline{K}^*(892)^0 e^\pm \mu^\mp$	LF	[ff] $<$	8.3	$\times 10^{-5}$	CL=90%	712
$\pi^- \pi^- e^+ e^+ +$ c.c.	L		$<$ 1.12	$\times 10^{-4}$	CL=90%	922
$\pi^- \pi^- \mu^+ \mu^+ +$ c.c.	L		$<$ 2.9	$\times 10^{-5}$	CL=90%	894
$K^- \pi^- e^+ e^+ +$ c.c.	L		$<$ 2.06	$\times 10^{-4}$	CL=90%	861
$K^- \pi^- \mu^+ \mu^+ +$ c.c.	L		$<$ 3.9	$\times 10^{-4}$	CL=90%	829
$K^- K^- e^+ e^+ +$ c.c.	L		$<$ 1.52	$\times 10^{-4}$	CL=90%	790
$K^- K^- \mu^+ \mu^+ +$ c.c.	L		$<$ 9.4	$\times 10^{-5}$	CL=90%	709
$\pi^- \pi^- e^+ \mu^+ +$ c.c.	L		$<$ 7.9	$\times 10^{-5}$	CL=90%	911
$K^- \pi^- e^+ \mu^+ +$ c.c.	L		$<$ 2.18	$\times 10^{-4}$	CL=90%	848
$K^- K^- e^+ \mu^+ +$ c.c.	L		$<$ 5.7	$\times 10^{-5}$	CL=90%	754

$D^*(2007)^0$

$I(J^P) = \frac{1}{2}(1^-)$
I, J, P need confirmation.

Mass $m = 2006.7 \pm 0.5$ MeV   (S = 1.1)
$m_{D^{*0}} - m_{D^0} = 142.12 \pm 0.07$ MeV
Full width $\Gamma < 2.1$ MeV, CL = 90%

$\overline{D}^*(2007)^0$ modes are charge conjugates of modes below.

$D^*(2007)^0$ DECAY MODES	Fraction (Γ_i/Γ)	p (MeV/c)
$D^0 \pi^0$	(61.9 ± 2.9) %	43
$D^0 \gamma$	(38.1 ± 2.9) %	137

$D^*(2010)^\pm$

$I(J^P) = \frac{1}{2}(1^-)$
I, J, P need confirmation.

Mass $m = 2010.0 \pm 0.5$ MeV   (S = 1.1)
$m_{D^*(2010)^+} - m_{D^+} = 140.64 \pm 0.10$ MeV   (S = 1.1)
$m_{D^*(2010)^+} - m_{D^0} = 145.421 \pm 0.010$ MeV   (S = 1.1)
Full width $\Gamma = 96 \pm 22$ keV

$D^*(2010)^-$ modes are charge conjugates of the modes below.

$D^*(2010)^\pm$ DECAY MODES	Fraction (Γ_i/Γ)	p (MeV/c)
$D^0 \pi^+$	(67.7 ± 0.5) %	39
$D^+ \pi^0$	(30.7 ± 0.5) %	38
$D^+ \gamma$	(1.6 ± 0.4) %	136

$D_1(2420)^0$

$I(J^P) = \frac{1}{2}(1^+)$
I, J, P need confirmation.

Mass $m = 2422.2 \pm 1.8$ MeV   (S = 1.2)
Full width $\Gamma = 18.9^{+4.6}_{-3.5}$ MeV

$\overline{D}_1(2420)^0$ modes are charge conjugates of modes below.

$D_1(2420)^0$ DECAY MODES	Fraction (Γ_i/Γ)	p (MeV/c)
$D^*(2010)^+ \pi^-$	seen	355
$D^+ \pi^-$	not seen	474

$D_2^*(2460)^0$

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

$J^P = 2^+$ assignment strongly favored (ALBRECHT 89B).

Mass $m = 2458.9 \pm 2.0$ MeV   (S = 1.2)
Full width $\Gamma = 23 \pm 5$ MeV

$\overline{D}_2^*(2460)^0$ modes are charge conjugates of modes below.

$D_2^*(2460)^0$ DECAY MODES	Fraction (Γ_i/Γ)	p (MeV/c)
$D^+\pi^-$	seen	503
$D^*(2010)^+\pi^-$	seen	387

$D_2^*(2460)^\pm$

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

$J^P = 2^+$ assignment strongly favored (ALBRECHT 89B).

Mass $m = 2459 \pm 4$ MeV   (S = 1.7)
$m_{D_2^*(2460)^\pm} - m_{D_2^*(2460)^0} = 0.9 \pm 3.3$ MeV   (S = 1.1)
Full width $\Gamma = 25^{+8}_{-7}$ MeV

$D_2^*(2460)^-$ modes are charge conjugates of modes below.

$D_2^*(2460)^\pm$ DECAY MODES	Fraction (Γ_i/Γ)	p (MeV/c)
$D^0\pi^+$	seen	508
$D^{*0}\pi^+$	seen	390