$D_{sJ}(2573)^{\pm}$

$I(J^P) = 0(?^?)$

J^P is natural, width and decay modes consistent with 2^+.

$D_{sJ}(2573)^{\pm}$ MASS

VALUE (MeV)	*EVTS*	*DOCUMENT ID*		*TECN*	*CHG*	*COMMENT*
2573.5±1.7 OUR AVERAGE						
$2574.5 \pm 3.3 \pm 1.6$		ALBRECHT	96	ARG		$e^+e^- \rightarrow D^0 K^+ X$
$2573.2^{+1.7}_{-1.6} \pm 0.9$	217	KUBOTA	94	CLE2	+	$e^+e^- \sim$ 10.5 GeV

$D_{sJ}(2573)^{\pm}$ WIDTH

VALUE (MeV)	*EVTS*	*DOCUMENT ID*		*TECN*	*CHG*	*COMMENT*
$15\ ^{+5}_{-4}$ OUR AVERAGE						
$10.4 \pm 8.3 \pm 3.0$		ALBRECHT	96	ARG		$e^+e^- \rightarrow D^0 K^+ X$
$16\ ^{+5}_{-4} \pm 3$	217	KUBOTA	94	CLE2	+	$e^+e^- \sim$ 10.5 GeV

$D_{sJ}(2573)^+$ DECAY MODES

$D_{sJ}(2573)^-$ modes are charge conjugates of the modes below.

	Mode	Fraction (Γ_i/Γ)
Γ_1	$D^0 K^+$	seen
Γ_2	$D^*(2007)^0 K^+$	not seen

$D_{sJ}(2573)^+$ BRANCHING RATIOS

$\Gamma(D^0 K^+)/\Gamma_{\text{total}}$ — Γ_1/Γ

VALUE	*EVTS*	*DOCUMENT ID*		*TECN*	*CHG*	*COMMENT*
seen	217	KUBOTA	94	CLE2	±	$e^+e^- \sim$ 10.5 GeV

$\Gamma(D^*(2007)^0 K^+)/\Gamma(D^0 K^+)$ — Γ_2/Γ_1

VALUE	*CL%*	*DOCUMENT ID*		*TECN*	*CHG*	*COMMENT*
<0.33	90	KUBOTA	94	CLE2	+	$e^+e^- \sim$ 10.5 GeV

$D_{sJ}(2573)^{\pm}$ REFERENCES

ALBRECHT	96	ZPHY C69 405	+Hamacher, Hofmann+	(ARGUS Collab.)
KUBOTA	94	PRL 72 1972	+Lattery, Nelson, Patton+	(CLEO Collab.)