

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

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

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

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

VALUE (MeV)	EVTS	DOCUMENT ID	TECN	CHG	COMMENT
<b>2573.5 ± 1.7 OUR AVERAGE</b>					
2574.5 ± 3.3 ± 1.6		ALBRECHT	96	ARG	$e^+e^- \rightarrow D^0 K^+ X$
2573.2 <sup>+1.7</sup> <sub>-1.6</sub> ± 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
<b>15<sup>+5</sup><sub>-4</sub> OUR AVERAGE</b>					
10.4 ± 8.3 ± 3.0		ALBRECHT	96	ARG	$e^+e^- \rightarrow D^0 K^+ X$
16 <sup>+5</sup> <sub>-4</sub> ± 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 ( $\Gamma_i/\Gamma$ )
$\Gamma_1$ $D^0 K^+$	seen
$\Gamma_2$ $D^*(2007)^0 K^+$	not seen

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

$\Gamma(D^0 K^+)/\Gamma_{\text{total}}$	$\Gamma_1/\Gamma$				
VALUE	EVTS	DOCUMENT ID	TECN	CHG	COMMENT
<b>seen</b>	217	KUBOTA	94	CLE2 ±	$e^+e^- \sim 10.5$ GeV

$\Gamma(D^*(2007)^0 K^+)/\Gamma(D^0 K^+)$	$\Gamma_2/\Gamma_1$				
VALUE	CL%	DOCUMENT ID	TECN	CHG	COMMENT
<b>&lt;0.33</b>	90	KUBOTA	94	CLE2 +	$e^+e^- \sim 10.5$ GeV

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

ALBRECHT	96	ZPHY C69 405	H. Albrecht <i>et al.</i>	(ARGUS Collab.)
KUBOTA	94	PRL 72 1972	Y. Kubota <i>et al.</i>	(CLEO Collab.)

### OTHER RELATED PAPERS

SEMENOV	99	SPU 42 847	S.V. Semenov
Translated from UFN 42 937.			