

# D(2600)

$$I(J^P) = \frac{1}{2}(??)$$

OMITTED FROM SUMMARY TABLE

$J^P$  consistent with natural parity (DEL-AMO-SANCHEZ 10P).

## D(2600) MASS

VALUE (MeV)	EVTS	DOCUMENT ID	TECN	CHG	COMMENT
<b>2612 ± 6</b>	<b>OUR AVERAGE</b>	Error includes scale factor of 1.9.			
2608.7 ± 2.4 ± 2.5	26k	DEL-AMO-SA..10P	BABR	0	$e^+ e^- \rightarrow D^+ \pi^- X$
2621.3 ± 3.7 ± 4.2	13k	<sup>1</sup> DEL-AMO-SA..10P	BABR	+	$e^+ e^- \rightarrow D^0 \pi^+ X$

<sup>1</sup> At a fixed width of 93 MeV.

## D(2600) WIDTH

VALUE (MeV)	EVTS	DOCUMENT ID	TECN	COMMENT
<b>93 ± 6 ± 13</b>	26k	DEL-AMO-SA..10P	BABR	$e^+ e^- \rightarrow D^+ \pi^- X$

## D(2600) DECAY MODES

Mode	Fraction ( $\Gamma_i/\Gamma$ )
$\Gamma_1$ $D\pi$	seen
$\Gamma_2$ $D^+ \pi^-$	seen
$\Gamma_3$ $D^0 \pi^\pm$	seen
$\Gamma_4$ $D^* \pi$	seen
$\Gamma_5$ $D^{*+} \pi^-$	seen

## D(2600) BRANCHING RATIOS

$\Gamma(D^+ \pi^-)/\Gamma(D^{*+} \pi^-)$				$\Gamma_2/\Gamma_5$
VALUE	EVTS	DOCUMENT ID	TECN	COMMENT
<b>0.32 ± 0.02 ± 0.09</b>	76k	DEL-AMO-SA..10P	BABR	$e^+ e^- \rightarrow D^{(*)+} \pi^- X$

## D(2600) REFERENCES

DEL-AMO-SA...10P PR D82 111101 P. del Amo Sanchez *et al.* (BABAR Collab.)