

# $D_1(2430)^0$

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

OMITTED FROM SUMMARY TABLE

$J = 1^+$  assignment favored (ABE 04D).

## $D_1(2430)^0$ MASS

VALUE (MeV)	DOCUMENT ID	TECN	COMMENT
<b><math>2427 \pm 26 \pm 25</math></b>	ABE	04D	BELL $B^- \rightarrow D^{*+} \pi^- \pi^-$
● ● ● We do not use the following data for averages, fits, limits, etc. ● ● ●			
$2477 \pm 28$	<sup>1</sup> AUBERT	06L	BABR $\bar{B}^0 \rightarrow D^{*+} \omega \pi^-$
<sup>1</sup> Systematic errors not estimated.			

## $D_1(2430)^0$ WIDTH

VALUE (MeV)	DOCUMENT ID	TECN	COMMENT
<b><math>384^{+107}_{-75} \pm 74</math></b>	ABE	04D	BELL $B^- \rightarrow D^{*+} \pi^- \pi^-$
● ● ● We do not use the following data for averages, fits, limits, etc. ● ● ●			
$266 \pm 97$	<sup>2</sup> AUBERT	06L	BABR $\bar{B}^0 \rightarrow D^{*+} \omega \pi^-$
<sup>2</sup> Systematic errors not estimated.			

## $D_1(2430)^0$ DECAY MODES

Mode	Fraction ( $\Gamma_i/\Gamma$ )
$\Gamma_1 \quad D^*(2010)^+ \pi^-$	seen

## $D_1(2430)^0$ REFERENCES

AUBERT	06L	PR D74 012001	B. Aubert <i>et al.</i>	(BABAR Collab.)
ABE	04D	PR D69 112002	K. Abe <i>et al.</i>	(BELLE Collab.)