NODE=M180

# $D_1(2430)^0$

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

OMITTED FROM SUMMARY TABLE

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

NODE=M180

## $D_1(2430)^0$ MASS

NODE=M180205

| *VALUE* (MeV) | *DOCUMENT ID* | | *TECN* | *COMMENT* |
|---|---|---|---|---|
| **2427±26±25** | ABE | 04D | BELL | $B^- \to D^{*+}\pi^-\pi^-$ |
| • • • We do not use the following data for averages, fits, limits, etc. • • • | | | | |
| 2477±28 | [1] AUBERT | 06L | BABR | $\overline{B}^0 \to D^{*+}\omega\pi^-$ |

[1] Systematic errors not estimated.

NODE=M180M

NODE=M180M;LINKAGE=AU

## $D_1(2430)^0$ WIDTH

NODE=M180210

| *VALUE* (MeV) | *DOCUMENT ID* | | *TECN* | *COMMENT* |
|---|---|---|---|---|
| $\mathbf{384^{+107}_{-75}\pm74}$ | ABE | 04D | BELL | $B^- \to D^{*+}\pi^-\pi^-$ |
| • • • We do not use the following data for averages, fits, limits, etc. • • • | | | | |
| 266± 97 | [2] AUBERT | 06L | BABR | $\overline{B}^0 \to D^{*+}\omega\pi^-$ |

[2] Systematic errors not estimated.

NODE=M180W

NODE=M180W;LINKAGE=AU

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

NODE=M180215;NODE=M180

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

DESIG=1;OUR EVAL;→ NOT CHECKED ←

## $D_1(2430)^0$ REFERENCES

NODE=M180


| | | | | |
|---|---|---|---|---|
| AUBERT | 06L | PR D74 012001 | B. Aubert *et al.* | (BABAR Collab.) |
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