

**$D_0^*(2300)^0$** 

$$I(J^P) = \frac{1}{2}(0^+)$$

was  $D_0^*(2400)^0$  $J^P = 0^+$  assignment favored (ABE 04D). **$D_0^*(2300)^0$  MASS**

<u>VALUE (MeV)</u>	<u>EVTS</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
<b>2300±19 OUR AVERAGE</b>				
2297± 8±20	3.4k	AUBERT	09AB BABR	$B^- \rightarrow D^+ \pi^- \pi^-$
2308±17±32		ABE	04D BELLE	$B^- \rightarrow D^+ \pi^- \pi^-$
● ● ● We do not use the following data for averages, fits, limits, etc. ● ● ●				
2407±21±35	9.8k	<sup>1</sup> LINK	04A FOCS	$\gamma$ A

<sup>1</sup> Possibly the feed-down from another state. **$D_0^*(2300)^0$  WIDTH**

<u>VALUE (MeV)</u>	<u>EVTS</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
<b>274±40 OUR AVERAGE</b>				
273±12±48	3.4k	AUBERT	09AB BABR	$B^- \rightarrow D^+ \pi^- \pi^-$
276±21±63		ABE	04D BELLE	$B^- \rightarrow D^+ \pi^- \pi^-$
● ● ● We do not use the following data for averages, fits, limits, etc. ● ● ●				
240±55±59	9.8k	<sup>2</sup> LINK	04A FOCS	$\gamma$ A

<sup>2</sup> Possibly the feed-down from another state. **$D_0^*(2300)^0$  DECAY MODES**

<u>Mode</u>	<u>Fraction (<math>\Gamma_i/\Gamma</math>)</u>
$\Gamma_1$ $D^+ \pi^-$	seen

 **$D_0^*(2300)^0$  REFERENCES**

AUBERT	09AB PR D79 112004	B. Aubert <i>et al.</i>	(BABAR Collab.)
ABE	04D PR D69 112002	K. Abe <i>et al.</i>	(BELLE Collab.)
LINK	04A PL B586 11	J.M. Link <i>et al.</i>	(FOCUS Collab.)