$$D_0^*(2400)^0$$

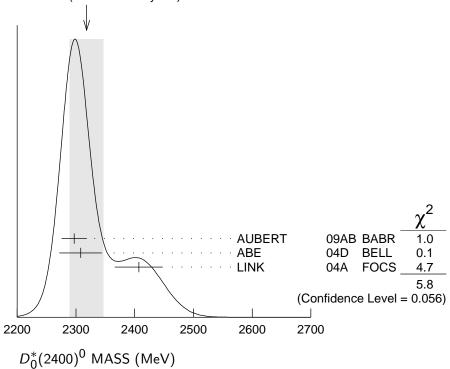
$$I(J^P) = \frac{1}{2}(0^+)$$

 $J^{P} = 0^{+}$  assignment favored (ABE 04D).

## $D_0^*(2400)^0$ MASS

VALUE (MeV)	<b>EVTS</b>	DOCUMENT ID	TECN	COMMENT
2318 ± 29 OUR AVERAC	<b>E</b> Error in	icludes scale fac	tor of 1.7. Se	e the ideogram below.
$2297 \pm 8 \pm 20$	3.4k	AUBERT	09AB BABR	$B^- \rightarrow D^+ \pi^- \pi^-$
$2308 \pm 17 \pm 32$		ABE	04D BELL	$B^- \rightarrow D^+ \pi^- \pi^-$
$2407\!\pm\!21\!\pm\!35$	9.8k	LINK	04A FOCS	$\gamma$ A





## $D_0^*(2400)^0$ WIDTH

VALUE (MeV)	EVTS	DOCUMENT ID	TECN	COMMENT
267±40 OUR AVERAG	E			
$273 \pm 12 \pm 48$	3.4k	AUBERT	09AB BABR	$B^- \rightarrow D^+ \pi^- \pi^-$
$276 \pm 21 \pm 63$		ABE	04D BELL	$B^- \rightarrow D^+ \pi^- \pi^-$
$240\!\pm\!55\!\pm\!59$	9.8k	LINK	04A FOCS	$\gamma$ A

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## $D_0^*(2400)^0$ DECAY MODES

	Mode	Fraction $(\Gamma_i/\Gamma)$
Γ <sub>1</sub>	$D^+\pi^-$	seen

## $D_0^*(2400)^0$ REFERENCES

AUBERT 09AB PR D79 112004 ABE 04D PR D69 112002 LINK 04A PL B586 11 B. Aubert *et al.* K. Abe *et al.* J.M. Link *et al.* 

(BABAR Collab.) (BELLE Collab.) (FOCUS Collab.)

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