

$D_0^*(2400)^0$

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

OMITTED FROM SUMMARY TABLE

 $J = 0^+$ assignment favoured (ABE 04D). **$D_0^*(2400)^0$ MASS**

VALUE (MeV)	EVTS	DOCUMENT ID	TECN	COMMENT
2352±50 OUR AVERAGE	Error includes scale factor of 1.8.			
2308±17±32		ABE	04D	BELL $B^- \rightarrow D^+ \pi^- \pi^-$
2407±21±35	9.8k	LINK	04A	FOCS γ A

 $D_0^*(2400)^0$ WIDTH

VALUE (MeV)	EVTS	DOCUMENT ID	TECN	COMMENT
261±50 OUR AVERAGE				
276±21±63		ABE	04D	BELL $B^- \rightarrow D^+ \pi^- \pi^-$
240±55±59	9.8k	LINK	04A	FOCS γ A

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

Mode	Fraction (Γ_i/Γ)
Γ_1 $D^+ \pi^-$	seen

 $D_0^*(2400)^0$ REFERENCES

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.)

OTHER RELATED PAPERS

ABULENCIA	06A	PR D73 051104	A. Abulencia <i>et al.</i>	(CDF Collab.)
DMITRASINO...	06	MPL A21 533	V. Dmitrasinovic	
VIJANDE	06	PR D73 034002	J. Vijande, F. Fernandez, A. Valcarce	
BRACCO	05	PL B624 217	M.E. Bracco, A. Lozea, R.D. Matheus	
DMITRASINO...	05	PRL 94 162002	V. Dmitrasinovic	
GODFREY	05	PR D72 054029	S. Godfrey	
ANDERSON	99	CLEO CONF99-6	S. Anderson <i>et al.</i>	(CLEO Collab.)
Conference Report				
EICHTEN	93	PRL 71 4116	E.J. Eichten, C.T. Hill, C. Quigg	
GODFREY	85	PR D32 189	S. Godfrey, N. Isgur	
SHURYAK	82	NP B198 83	E.V. Shuryak	