NODE=M178

$D_0^*(2400)^0$

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

OMITTED FROM SUMMARY TABLE

$J = 0^+$ assignment favoured (ABE 04D).

NODE=M178

$D_0^*(2400)^0$ MASS

NODE=M178205

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

NODE=M178M

$D_0^*(2400)^0$ WIDTH

NODE=M178210

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

NODE=M178W

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

NODE=M178215;NODE=M178

	Mode	Fraction (Γ_i/Γ)	
Γ_1	$D^+\pi^-$	seen	DESIG=1;OUR EVAL;→ NOT CHECKED ←

$D_0^*(2400)^0$ REFERENCES

NODE=M178

ABE	04D	PR D69 112002	K. Abe *et al.*	(BELLE Collab.)	REFID=50011
LINK	04A	PL B586 11	J.M. Link *et al.*	(FOCUS Collab.)	REFID=49775

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ABULENCIA	06A	PR D73 051104	A. Abulencia *et al.*	(CDF Collab.)	REFID=51054
DMITRASINO...06		MPL A21 533	V. Dmitrasinovic		REFID=51157
VIJANDE	06	PR D73 034002	J. Vijande, F. Fernandez, A. Valcarce		REFID=51052
BRACCO	05	PL B624 217	M.E. Bracco, A. Lozea, R.D. Matheus		REFID=50784
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GODFREY	05	PR D72 054029	S. Godfrey		REFID=50794
ANDERSON	99	CLEO CONF99-6	S. Anderson *et al.*	(CLEO Collab.)	REFID=50539
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EICHTEN	93	PRL 71 4116	E.J. Eichten, C.T. Hill, C. Quigg		REFID=50542
GODFREY	85	PR D32 189	S. Godfrey, N. Isgur		REFID=50541
SHURYAK	82	NP B198 83	E.V. Shuryak		REFID=50540