NODE=M180

$D_1(2430)^0$

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

$J^P = 1^+$ determined by AAIJ 20D.

NODE=M180

$D_1(2430)^0$ MASS

NODE=M180M

VALUE (MeV)	EVTS	DOCUMENT ID		TECN	COMMENT
2412± 9 OUR AVERAGE					
2411± 3± 9	79k	[1] AAIJ	20D	LHCB	$B^- \to D^{*+}\pi^-\pi^-$
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		[2] AUBERT	06L	BABR	$\overline{B}^0 \to D^{*+}\omega\pi^-$

NODE=M180M

[1] From a full four-body amplitude analysis of the $B^- \to D^{*+}\pi^-\pi^-$ decay. NODE=M180M;LINKAGE=A

[2] Systematic errors not estimated. NODE=M180M;LINKAGE=AU

$D_1(2430)^0$ WIDTH

NODE=M180W

VALUE (MeV)	EVTS	DOCUMENT ID		TECN	COMMENT
314± 29 OUR AVERAGE					
309± 9±28	79k	[1] AAIJ	20D	LHCB	$B^- \to D^{*+}\pi^-\pi^-$
$384^{+107}_{-75}\pm74$		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	$\overline{B}^0 \to D^{*+}\omega\pi^-$

NODE=M180W

[1] From a full four-body amplitude analysis of the $B^- \to D^{*+}\pi^-\pi^-$ decay. NODE=M180W;LINKAGE=A

[2] Systematic errors not estimated. NODE=M180W;LINKAGE=AU

$D_1(2430)^0$ DECAY MODES

NODE=M180215;NODE=M180

	Mode	Fraction (Γ_i/Γ)
Γ_1	$D^*(2010)^+\pi^-$	seen

DESIG=1;OUR EVAL;→ UNCHECKED ←

$D_1(2430)^0$ REFERENCES

NODE=M180

AAIJ	20D	PR D101 032005	R. Aaij *et al.*	(LHCb Collab.) JP	REFID=60253
AUBERT	06L	PR D74 012001	B. Aubert *et al.*	(BABAR Collab.)	REFID=51140
ABE	04D	PR D69 112002	K. Abe *et al.*	(BELLE Collab.)	REFID=50011