$D_1(2420)^0$ REFERENCES

FRABETTI	94B	PRL 72 324	+Cheung, Cumalat+	(FNAL E687 Collab.)
AVERY	90	PR D41 774	+Besson	(CLEO Collab.)
ALBRECHT	89B	PL B221 422	+Boeckmann+	(ARGUS Collab.)
ALBRECHT	89H	PL B232 398	+Glaser, Harder+	(ARGUS Collab.) JP
ANJOS	89C	PRL 62 1717	+Appel+	(FNAL E691 Collab.)

$D_J(2440)^\pm$

$I(J^P) = \frac{1}{2}(?^?)$
I needs confirmation.

OMITTED FROM SUMMARY TABLE

Seen in $D^*(2007)^0\pi^+$. $J^P = 0^+$ ruled out.

$D_J(2440)^\pm$ MASS

VALUE (MeV)	*EVTS*	*DOCUMENT ID*		*TECN*	*COMMENT*
2443±7±5	190^{+77}_{-44}	ANJOS	89C	TPS	$\gamma N \to D^0\pi^+X^0$

$D_J(2440)^\pm$ WIDTH

VALUE (MeV)	*EVTS*	*DOCUMENT ID*		*TECN*	*COMMENT*
41±19±8	190^{+77}_{-44}	ANJOS	89C	TPS	$\gamma N \to D^0\pi^+X^0$

$D_J(2440)^\pm$ DECAY MODES

$D_J^*(2440)^-$ modes are charge conjugates of modes below.

	Mode	Fraction (Γ_i/Γ)
Γ_1	$D^*(2007)^0\pi^+$	seen

$D_J(2440)^\pm$ BRANCHING RATIOS

$\Gamma(D^*(2007)^0\pi^+)/\Gamma_{total}$ Γ_1/Γ

VALUE	*DOCUMENT ID*		*TECN*	*COMMENT*
seen	ANJOS	89C	TPS	$\gamma N \to D^0\pi^+X^0$

$D_J(2440)^\pm$ REFERENCES

ANJOS	89C	PRL 62 1717	+Appel+	(FNAL E691 Collab.)

$D_2^*(2460)$

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

$J^P = 2^+$ assignment strongly favored (ALBRECHT 89B).

$D_2^*(2460)$ MASS

NEUTRAL MODE

VALUE (MeV)	*EVTS*	*DOCUMENT ID*		*TECN*	*COMMENT*
2457.7±1.9 OUR AVERAGE					
2453 ±3 ±2	128±28	FRABETTI	94B	E687	$\gamma \mathrm{Be} \to D^+\pi^-\mathrm{X}$
2461 ±3 ±1	440±97	AVERY	90	CLEO	$e^+e^- \to D^{*+}\pi^-\mathrm{X}$
2455 ±3 ±5	337±100	ALBRECHT	89B	ARG	$e^+e^- \to D^+\pi^-\mathrm{X}$
2459 ±3 ±2	153^{+42}_{-37}	ANJOS	89C	TPS	$\gamma N \to D^+\pi^-\mathrm{X}$

CHARGED MODE

VALUE (MeV)	*EVTS*	*DOCUMENT ID*		*TECN*	*COMMENT*
2456±6 OUR AVERAGE Error includes scale factor of 2.0.					
2453±3±2	185±42	FRABETTI	94B	E687	$\gamma \mathrm{Be} \to D^0\pi^+\mathrm{X}$
2469±4±6		ALBRECHT	89F	ARG	$e^+e^- \to D^0\pi^+\mathrm{X}$

$m_{D_2^*(2460)^\pm} - m_{D_2^*(2460)^0}$

VALUE (MeV)	*DOCUMENT ID*		*TECN*	*COMMENT*
2±5 OUR AVERAGE Error includes scale factor of 1.4.				
0±4	FRABETTI	94B	E687	$\gamma \mathrm{Be} \to D\pi\mathrm{X}$
14±5±8	ALBRECHT	89F	ARG	$e^+e^- \to D^0\pi^+\mathrm{X}$

$D_2^*(2460)$ WIDTH

NEUTRAL MODE

VALUE (MeV)	*EVTS*	*DOCUMENT ID*		*TECN*	*COMMENT*
21± 5 OUR AVERAGE Includes data from the datablock that follows this one.					
25±10± 5	128±28	FRABETTI	94B	E687	$\gamma \mathrm{Be} \to D^+\pi^-\mathrm{X}$
20^{+9+9}_{-12-10}	440±97	AVERY	90	CLEO	$e^+e^- \to D^{*+}\pi^-\mathrm{X}$
15^{+13+5}_{-10-10}	337±100	ALBRECHT	89B	ARG	$e^+e^- \to D^+\pi^-\mathrm{X}$
20±10± 5	153^{+42}_{-37}	ANJOS	89C	TPS	$\gamma N \to D^+\pi^-\mathrm{X}$

CHARGED MODE

The data in this block is included in the average printed for a previous datablock.

VALUE (MeV)	*EVTS*	*DOCUMENT ID*		*TECN*	*COMMENT*
23± 9±5	185±42	FRABETTI	94B	E687	$\gamma \mathrm{Be} \to D^0\pi^+\mathrm{X}$

$D_2^*(2460)$ DECAY MODES

$\overline{D}_2^*(2460)$ modes are charge conjugates of modes below.

	Mode	Fraction (Γ_i/Γ)
Γ_1	$D_2^*(2460)^0 \to D^+\pi^-$	seen
Γ_2	$D_2^*(2460)^0 \to D^*(2010)^+\pi^-$	seen
Γ_3	$D_2^*(2460)^\pm \to D^0\pi^+$	seen

$D_2^*(2460)$ BRANCHING RATIOS

$\Gamma(D^+\pi^-)/\Gamma_{total}$ Γ_1/Γ

VALUE	*EVTS*	*DOCUMENT ID*		*TECN*	*COMMENT*
seen	337±100	ALBRECHT	89B	ARG	$e^+e^- \to D^+\pi^-\mathrm{X}$
seen		ANJOS	89C	TPS	$\gamma N \to D^+\pi^-\mathrm{X}$

$\Gamma(D^*(2010)^+\pi^-)/\Gamma_{total}$ Γ_2/Γ

VALUE	*DOCUMENT ID*		*TECN*	*COMMENT*
seen	AVERY	90	CLEO	$e^+e^- \to D^{*+}\pi^-\mathrm{X}$
seen	ALBRECHT	89H	ARG	$e^+e^- \to D^*\pi^-\mathrm{X}$

$\Gamma(D^+\pi^-)/\Gamma(D^*(2010)^+\pi^-)$ Γ_1/Γ_2

VALUE	*DOCUMENT ID*		*TECN*	*COMMENT*
2.4±0.7 OUR AVERAGE				
2.3±0.8	AVERY	90	CLEO	e^+e^-
3.0±1.1±1.5	ALBRECHT	89H	ARG	$e^+e^- \to D^*\pi^-\mathrm{X}$

$\Gamma(D^0\pi^+)/\Gamma_{total}$ Γ_3/Γ

VALUE	*DOCUMENT ID*		*TECN*	*COMMENT*
seen	ALBRECHT	89F	ARG	$e^+e^- \to D^0\pi^+\mathrm{X}$

$D_2^*(2460)$ REFERENCES

FRABETTI	94B	PRL 72 324	+Cheung, Cumalat+	(FNAL E687 Collab.)
AVERY	90	PR D41 774	+Besson	(CLEO Collab.)
ALBRECHT	89B	PL B221 422	+Boeckmann+	(ARGUS Collab.) JP
ALBRECHT	89F	PL B231 208	+Glaeser+	(ARGUS Collab.)
ALBRECHT	89H	PL B232 398	+Glaser, Harder+	(ARGUS Collab.) JP
ANJOS	89C	PRL 62 1717	+Appel+	(FNAL E691 Collab.)