$D_2^*(2460)^{\pm}$

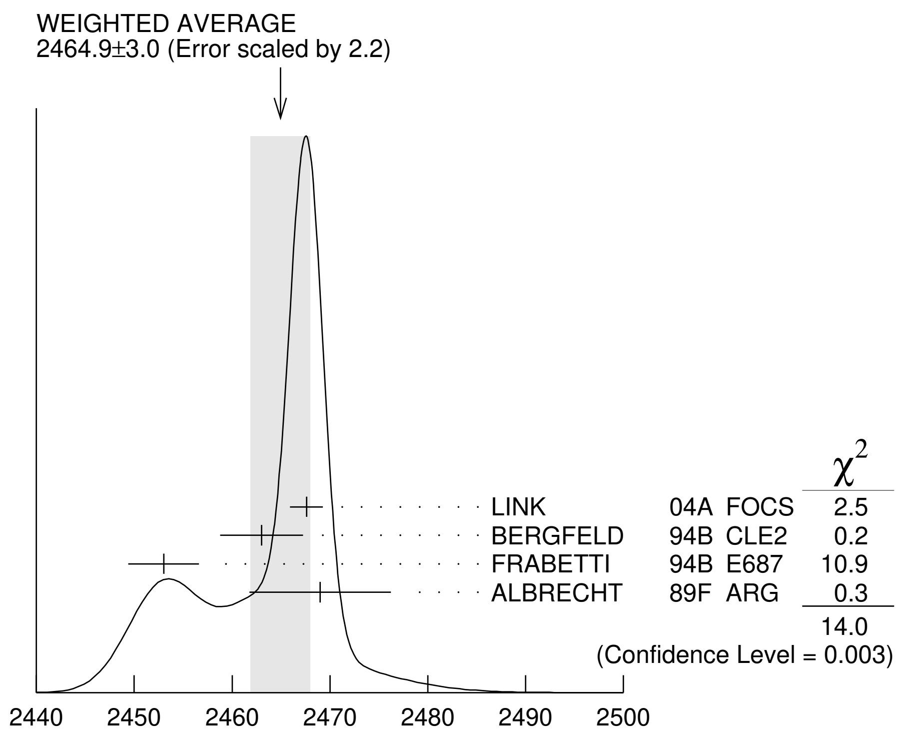
$I(J^P) = \frac{1}{2}(2^+)$

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

$D_2^*(2460)^{\pm}$ MASS

VALUE (MeV)	EVTS	DOCUMENT ID		TECN	COMMENT
2464.9±3.0 OUR AVERAGE	Error includes scale factor of 2.2. See the ideogram below.				
2467.6±1.5±0.76	3.5k	[1] LINK	04A	FOCS	γ A
2463 ±3 ±3	310	BERGFELD	94B	CLE2	$e^+ e^- \rightarrow D^0 \pi^+ X$
2453 ±3 ±2	185	FRABETTI	94B	E687	$\gamma \text{Be} \rightarrow D^0 \pi^+ X$
2469 ±4 ±6		ALBRECHT	89F	ARG	$e^+ e^- \rightarrow D^0 \pi^+ X$

[1] Fit includes the contribution from $D_0^*(2400)^{\pm}$.



$D_2^*(2460)^{\pm}$ mass (MeV)

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

VALUE (MeV)	DOCUMENT ID		TECN	COMMENT
2.4±1.7 OUR AVERAGE				
3.1±1.9±0.9	LINK	04A	FOCS	γ A
−2 ±4 ±4	BERGFELD	94B	CLE2	$e^+ e^- \rightarrow$ hadrons
0 ±4	FRABETTI	94B	E687	$\gamma \text{Be} \rightarrow D \pi X$
14 ±5 ±8	ALBRECHT	89F	ARG	$e^+ e^- \rightarrow D^0 \pi^+ X$

$D_2^*(2460)^{\pm}$ WIDTH

VALUE (MeV)	EVTS	DOCUMENT ID		TECN	COMMENT
29 ± 5 OUR AVERAGE					
$34.1 \pm 6.5 \pm 4.2$	3.5k	[2] LINK	04A	FOCS	γ A
$27\,^{+11}_{-8} \pm 5$	310	BERGFELD	94B	CLE2	$e^+e^- \to D^0\pi^+X$
$23 \pm 9 \pm 5$	185	FRABETTI	94B	E687	γBe $\to D^0\pi^+X$

[2] Fit includes the contribution from $D_0^*(2400)^{\pm}$.

$D_2^*(2460)^{\pm}$ DECAY MODES

$D_2^*(2460)^-$ modes are charge conjugates of modes below.

	Mode	Fraction (Γ_i/Γ)
Γ_1	$D^0\pi^+$	seen
Γ_2	$D^{*0}\pi^+$	seen

$D_2^*(2460)^{\pm}$ BRANCHING RATIOS

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

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

$\Gamma(D^0\pi^+)/\Gamma(D^{*0}\pi^+)$ Γ_1/Γ_2

VALUE	DOCUMENT ID		TECN	COMMENT
$1.9 \pm 1.1 \pm 0.3$	BERGFELD	94B	CLE2	$e^+e^- \to$ hadrons

$D_2^*(2460)^{\pm}$ REFERENCES

LINK	04A	PL B586 11	J.M. Link et al.	(FOCUS Collab.)
BERGFELD	94B	PL B340 194	T. Bergfeld et al.	(CLEO Collab.)
FRABETTI	94B	PRL 72 324	P.L. Frabetti et al.	(FNAL E687 Collab.)
ALBRECHT	89B	PL B221 422	H. Albrecht et al.	(ARGUS Collab.)
ALBRECHT	89F	PL B231 208	H. Albrecht et al.	(ARGUS Collab.)