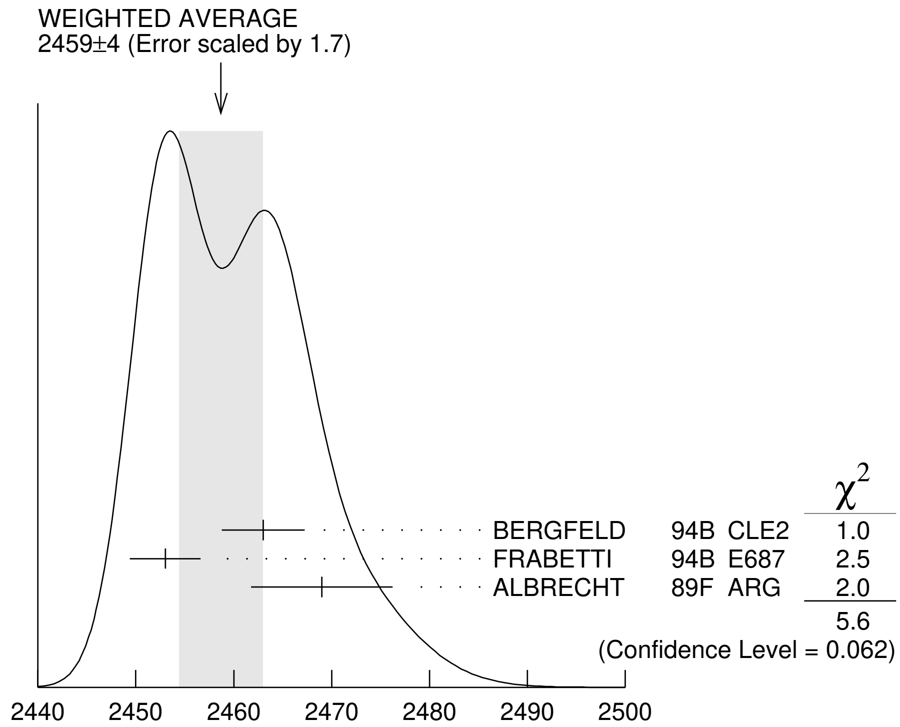
$D_2^*(2460)^{\pm}$

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

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

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

VALUE (MeV)	*EVTS*	*DOCUMENT ID*		*TECN*	*COMMENT*
2459±4 OUR AVERAGE	Error includes scale factor of 1.7. See the ideogram below.				
2463±3±3	310	BERGFELD	94B	CLE2	$e^+ e^- \rightarrow D^0 \pi^+ X$
2453±3±2	185	FRABETTI	94B	E687	$\gamma \mathrm{Be} \rightarrow D^0 \pi^+ X$
2469±4±6		ALBRECHT	89F	ARG	$e^+ e^- \rightarrow D^0 \pi^+ X$



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

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

VALUE (MeV)	*DOCUMENT ID*		*TECN*	*COMMENT*
0.9±3.3 OUR AVERAGE	Error includes scale factor of 1.1.			
−2 ±4 ±4	BERGFELD	94B	CLE2	$e^+ e^- \rightarrow$ hadrons
0 ±4	FRABETTI	94B	E687	$\gamma \mathrm{Be} \rightarrow D \pi X$
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*
$25^{+\ 8}_{-\ 7}$ OUR AVERAGE					
$27^{+11}_{-\ 8}\pm5$	310	BERGFELD	94B	CLE2	$e^+e^- \rightarrow D^0\pi^+X$
$23\pm\ 9\pm5$	185	FRABETTI	94B	E687	$\gamma\,\mathrm{Be} \rightarrow D^0\pi^+X$

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

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

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

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

VALUE	*DOCUMENT ID*		*TECN*	*COMMENT*
1.9±1.1±0.3	BERGFELD	94B	CLE2	$e^+e^- \rightarrow$ hadrons

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

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.)