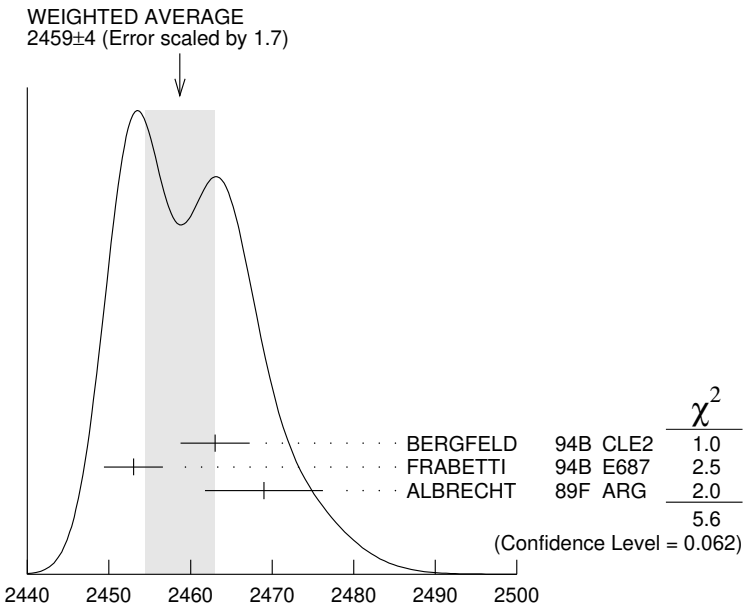
$D_2^*(2460)^\pm$

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

$D_2^*(2460)^\pm$ 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	γ 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	γ 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					
$27^{+11}_{-\ 8} \pm 5$	310	BERGFELD	94B	CLE2	$e^+ e^- \rightarrow D^0 \pi^+ X$
$23 \pm 9 \pm 5$	185	FRABETTI	94B	E687	γ 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

$\Gamma(D^0 \pi^+)/\Gamma_{total}$ **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*
$1.9 \pm 1.1 \pm 0.3$	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	89F	PL B231 208	H. Albrecht *et al.*	(ARGUS Collab.)