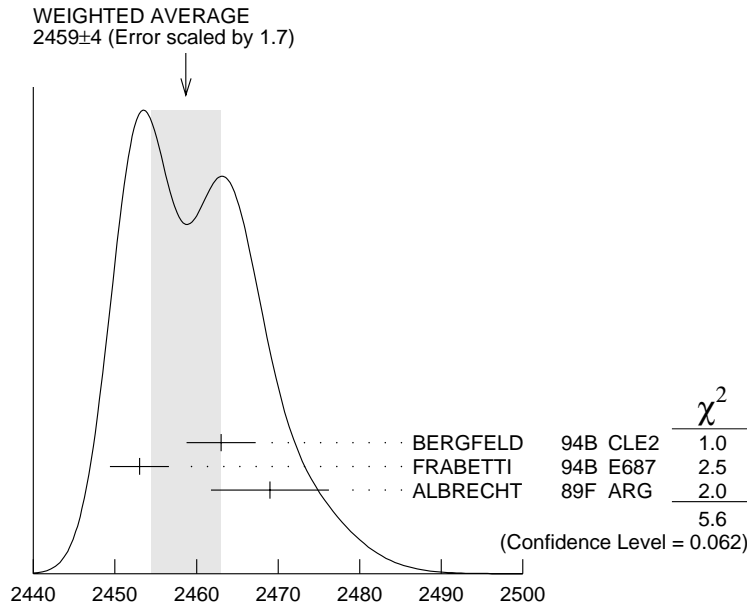


$$D_2^*(2460)^\pm$$

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

### $D_2^*(2460)^\pm$ MASS

VALUE (MeV)	EVTS	DOCUMENT ID	TECN	COMMENT
<b>2459±4 OUR AVERAGE</b>				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	$\gamma Be \rightarrow D^0 \pi^+ X$
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
<b>0.9±3.3 OUR AVERAGE</b>			Error includes scale factor of 1.1.
- 2 ±4 ±4	BERGFELD	94B CLE2	$e^+ e^- \rightarrow$ hadrons
0 ±4	FRABETTI	94B E687	$\gamma Be \rightarrow D \pi X$
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
<b><math>25 \pm \frac{8}{7}</math></b>				<b>OUR AVERAGE</b>
$27 \pm \frac{11}{8} \pm 5$	310	BERGFELD	94B CLE2	$e^+ e^- \rightarrow D^0 \pi^+ X$
$23 \pm 9 \pm 5$	185	FRABETTI	94B E687	$\gamma \text{Be} \rightarrow D^0 \pi^+ X$

### $D_2^*(2460)^\pm$ DECAY MODES

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

Mode	Fraction ( $\Gamma_i/\Gamma$ )
$\Gamma_1 \quad D^0 \pi^+$	seen
$\Gamma_2 \quad D^{*0} \pi^+$	seen

### $D_2^*(2460)^\pm$ BRANCHING RATIOS

$\Gamma(D^0 \pi^+)/\Gamma_{\text{total}}$				$\Gamma_1/\Gamma$
VALUE	DOCUMENT ID	TECN	COMMENT	
<b>seen</b>	ALBRECHT	89F ARG	$e^+ e^- \rightarrow D^0 \pi^+ X$	
$\Gamma(D^0 \pi^+)/\Gamma(D^{*0} \pi^+)$				$\Gamma_1/\Gamma_2$
VALUE	DOCUMENT ID	TECN	COMMENT	
<b><math>1.9 \pm 1.1 \pm 0.3</math></b>	BERGFELD	94B CLE2	$e^+ e^- \rightarrow \text{hadrons}$	

### $D_2^*(2460)^\pm$ REFERENCES

BERGFELD	94B	PL B340 194	T. Bergfeld <i>et al.</i>	(CLEO Collab.)
FRABETTI	94B	PRL 72 324	P.L. Frabetti <i>et al.</i>	(FNAL E687 Collab.)
ALBRECHT	89F	PL B231 208	H. Albrecht <i>et al.</i>	(ARGUS Collab.)