

**$N(2600) I_{1,11}$**

$$I(J^P) = \frac{1}{2} \left( \frac{11}{2}^- \right) \text{Status: } ***$$

### $N(2600)$ BREIT-WIGNER MASS

<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
<b>2550 to 2750 (<math>\approx 2600</math>) OUR ESTIMATE</b>			
2577 $\pm$ 50	HOEHLER	79	IPWA $\pi N \rightarrow \pi N$
2700 $\pm$ 100	HENDRY	78	MPWA $\pi N \rightarrow \pi N$

### $N(2600)$ BREIT-WIGNER WIDTH

<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
<b>500 to 800 (<math>\approx 650</math>) OUR ESTIMATE</b>			
400 $\pm$ 100	HOEHLER	79	IPWA $\pi N \rightarrow \pi N$
900 $\pm$ 100	HENDRY	78	MPWA $\pi N \rightarrow \pi N$

### $N(2600)$ DECAY MODES

Mode	Fraction ( $\Gamma_i/\Gamma$ )
$\Gamma_1 \quad N\pi$	5-10 %

### $N(2600)$ BRANCHING RATIOS

$\Gamma(N\pi)/\Gamma_{\text{total}}$	$\Gamma_1/\Gamma$		
<u>VALUE</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
<b>0.05 to 0.1 OUR ESTIMATE</b>			
0.05 $\pm$ 0.01	HOEHLER	79	IPWA $\pi N \rightarrow \pi N$
0.08 $\pm$ 0.02	HENDRY	78	MPWA $\pi N \rightarrow \pi N$

### $N(2600)$ REFERENCES

HOEHLER	79	PDAT 12-1	G. Hohler <i>et al.</i>	(KARLT) IJP
Also	80	Toronto Conf. 3	R. Koch	(KARLT) IJP
HENDRY	78	PRL 41 222	A.W. Hendry	(IND, LBL) IJP
Also	81	ANP 136 1	A.W. Hendry	(IND)