

$N(2600) 11/2^-$ 

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

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

VALUE (MeV)	DOCUMENT ID	TECN	COMMENT
<b>2550 to 2750 (<math>\approx 2600</math>) OUR ESTIMATE</b>			
$2623 \pm 197$	ARNDT	06	DPWA $\pi N \rightarrow \pi N, \eta N$
$2577 \pm 50$	HOEHLER	79	IPWA $\pi N \rightarrow \pi N$

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

VALUE (MeV)	DOCUMENT ID	TECN	COMMENT
<b>500 to 800 (<math>\approx 650</math>) OUR ESTIMATE</b>			
$1311 \pm 996$	ARNDT	06	DPWA $\pi N \rightarrow \pi N, \eta N$
$400 \pm 100$	HOEHLER	79	IPWA $\pi N \rightarrow \pi N$

### $N(2600)$ DECAY MODES

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

### $N(2600)$ BRANCHING RATIOS

$\Gamma(N\pi)/\Gamma_{\text{total}}$					$\Gamma_1/\Gamma$
VALUE (%)	DOCUMENT ID	TECN	COMMENT		
<b>5 to 10 OUR ESTIMATE</b>					
$5.0 \pm 1.8$	ARNDT	06	DPWA $\pi N \rightarrow \pi N, \eta N$		
$5 \pm 1$	HOEHLER	79	IPWA $\pi N \rightarrow \pi N$		

### $N(2600)$ REFERENCES

ARNDT	06	PR C74 045205	R.A. Arndt <i>et al.</i>	(GWU)
HOEHLER	79	PDAT 12-1	G. Hohler <i>et al.</i>	(KARLT) IJP
Also		Toronto Conf. 3	R. Koch	(KARLT) IJP