

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

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

## N(2600) BREIT-WIGNER MASS

VALUE (MeV)	DOCUMENT ID	TECN	COMMENT
<b>2550 to 2750 (<math>\approx</math> 2600) OUR ESTIMATE</b>			
2623 $\pm$ 197	ARNDT	06	DPWA $\pi N \rightarrow \pi N, \eta N$
2577 $\pm$ 50	HOEHLER	79	IPWA $\pi N \rightarrow \pi N$
2700 $\pm$ 100	HENDRY	78	MPWA $\pi N \rightarrow \pi N$

## N(2600) BREIT-WIGNER WIDTH

VALUE (MeV)	DOCUMENT ID	TECN	COMMENT
<b>500 to 800 (<math>\approx</math> 650) OUR ESTIMATE</b>			
1311 $\pm$ 996	ARNDT	06	DPWA $\pi N \rightarrow \pi N, \eta N$
400 $\pm$ 100	HOEHLER	79	IPWA $\pi N \rightarrow \pi N$
900 $\pm$ 100	HENDRY	78	MPWA $\pi N \rightarrow \pi N$

## N(2600) DECAY MODES

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

## N(2600) BRANCHING RATIOS

$\Gamma(N\pi)/\Gamma_{\text{total}}$	DOCUMENT ID	TECN	COMMENT	$\Gamma_1/\Gamma$
<b>0.05 to 0.1 OUR ESTIMATE</b>				
0.050 $\pm$ 0.018	ARNDT	06	DPWA $\pi N \rightarrow \pi N, \eta N$	
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

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
HENDRY	78	PRL 41 222	A.W. Hendry	(IND, LBL) IJP
Also		ANP 136 1	A.W. Hendry	(IND)