

$$N(2600) \ 11/2^-$$

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

***N*(2600) BREIT-WIGNER MASS**

VALUE (MeV)	DOCUMENT ID	TECN	COMMENT
2550 to 2750 ($\approx$ 2600) OUR ESTIMATE			
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
500 to 800 ($\approx$ 650) OUR ESTIMATE			
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 (Γ_i/Γ)
$\Gamma_1 \quad N\pi$	3–8 %

***N*(2600) BRANCHING RATIOS**

$\Gamma(N\pi)/\Gamma_{\text{total}}$				Γ_1/Γ
VALUE (%)	DOCUMENT ID	TECN	COMMENT	
3 to 8 ($\approx$ 5) OUR ESTIMATE				
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