

$N(2600) 11/2^-$

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

 $N(2600)$ BREIT-WIGNER MASS

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

 $N(2600)$ BREIT-WIGNER WIDTH

VALUE (MeV)	DOCUMENT ID	TECN	COMMENT
500 to 800 (≈ 650) OUR ESTIMATE			
1311 ± 996	ARNDT	06	DPWA $\pi N \rightarrow \pi N, \eta N$
400 ± 100	HOEHLER	79	IPWA $\pi N \rightarrow \pi N$
900 ± 100	HENDRY	78	MPWA $\pi N \rightarrow \pi N$

 $N(2600)$ DECAY MODES

Mode	Fraction (Γ_i/Γ)
$\Gamma_1 \quad N\pi$	5–10 %

 $N(2600)$ BRANCHING RATIOS

$\Gamma(N\pi)/\Gamma_{\text{total}}$	DOCUMENT ID	TECN	COMMENT	Γ_1/Γ
5 to 10 OUR ESTIMATE				
5.0 ± 1.8	ARNDT	06	DPWA $\pi N \rightarrow \pi N, \eta N$	
5 ± 1	HOEHLER	79	IPWA $\pi N \rightarrow \pi N$	
8 ± 2	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)