

$N(2600) 11/2^-$

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

$N(2600)$ BREIT-WIGNER MASS

<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
2550 to 2750 (≈ 2600) OUR ESTIMATE			
2623 \pm 197	ARNDT	06	DPWA $\pi N \rightarrow \pi N, \eta N$
2577 \pm 50	HOEHLER	79	IPWA $\pi N \rightarrow \pi N$
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>
500 to 800 (≈ 650) OUR ESTIMATE			
1311 \pm 996	ARNDT	06	DPWA $\pi N \rightarrow \pi N, \eta N$
400 \pm 100	HOEHLER	79	IPWA $\pi N \rightarrow \pi N$
900 \pm 100	HENDRY	78	MPWA $\pi N \rightarrow \pi N$

$N(2600)$ DECAY MODES

<u>Mode</u>	<u>Fraction (Γ_i/Γ)</u>
$\Gamma_1 \quad N\pi$	5-10 %

$N(2600)$ BRANCHING RATIOS

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