

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

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

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

VALUE (MeV)	DOCUMENT ID	TECN	COMMENT
2550 to 2750 ($\approx$ 2600) OUR ESTIMATE			
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
500 to 800 ($\approx$ 650) OUR ESTIMATE			
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 (Γ_i/Γ)
$\Gamma_1 \quad N\pi$	5–10 %

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

$\Gamma(N\pi)/\Gamma_{\text{total}}$				Γ_1/Γ
VALUE	DOCUMENT ID	TECN	COMMENT	
0.05 to 0.1 OUR ESTIMATE				
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**

HOEHLER	79	PDAT 12-1	G. Hohler <i>et al.</i>	(KARLT) IJP
Also	80	Toronto Conf. 3	R. Koch	(KARLT) IJP
HENDRY	78	PRL 41 222	A.W. Hendry	(IND, LBL) IJP
Also	81	ANP 136 1	A.W. Hendry	(IND)