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

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

$N(2600)$ BREIT-WIGNER MASS

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

$N(2600)$ BREIT-WIGNER WIDTH

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

$N(2600)$ DECAY MODES

	Mode	Fraction (Γ_i/Γ)
Γ_1	$N\pi$	5–10 %

$N(2600)$ BRANCHING RATIOS

$\Gamma(N\pi)/\Gamma_{total}$ **Γ_1/Γ**

VALUE	DOCUMENT ID		TECN	COMMENT
0.05 to 0.1 OUR ESTIMATE				
0.050±0.018	ARNDT	06	DPWA	$\pi N \to \pi N$, ηN
0.05 ±0.01	HOEHLER	79	IPWA	$\pi N \to \pi N$
0.08 ±0.02	HENDRY	78	MPWA	$\pi N \to \pi N$

$N(2600)$ REFERENCES

ARNDT	06	PR C74 045205	R.A. Arndt et al.	(GWU)
HOEHLER	79	PDAT 12-1	G. Hohler et al.	(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)