

N(2700) $K_{1,13}$

$$I(J^P) = \frac{1}{2}(\frac{13}{2}^+)$$
 Status: **

OMITTED FROM SUMMARY TABLE

The latest GWU analysis (ARNDT 06) finds no evidence for this resonance.

N(2700) BREIT-WIGNER MASS

VALUE (MeV)	DOCUMENT ID	TECN	COMMENT
≈ 2700 OUR ESTIMATE			
2612 ± 45	HOEHLER	79	IPWA $\pi N \rightarrow \pi N$
3000 ± 100	HENDRY	78	MPWA $\pi N \rightarrow \pi N$

N(2700) BREIT-WIGNER WIDTH

VALUE (MeV)	DOCUMENT ID	TECN	COMMENT
350 ± 50	HOEHLER	79	IPWA $\pi N \rightarrow \pi N$
900 ± 150	HENDRY	78	MPWA $\pi N \rightarrow \pi N$

N(2700) DECAY MODES

Mode
Γ_1 $N\pi$

N(2700) BRANCHING RATIOS

$\Gamma(N\pi)/\Gamma_{\text{total}}$	DOCUMENT ID	TECN	COMMENT	Γ_1/Γ
0.04 ± 0.01	HOEHLER	79	IPWA $\pi N \rightarrow \pi N$	
0.07 ± 0.02	HENDRY	78	MPWA $\pi N \rightarrow \pi N$	

N(2700) 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)