

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

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

OMITTED FROM SUMMARY TABLE

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

### $N(2700)$ BREIT-WIGNER MASS

<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
<b><math>\approx 2700</math> OUR ESTIMATE</b>			
$2612 \pm 45$	HOEHLER	79	IPWA $\pi N \rightarrow \pi N$
$3000 \pm 100$	HENDRY	78	MPWA $\pi N \rightarrow \pi N$

### $N(2700)$ BREIT-WIGNER WIDTH

<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
$350 \pm 50$	HOEHLER	79	IPWA $\pi N \rightarrow \pi N$
$900 \pm 150$	HENDRY	78	MPWA $\pi N \rightarrow \pi N$

### $N(2700)$ DECAY MODES

<u>Mode</u>
$\Gamma_1 \quad N\pi$

### $N(2700)$ BRANCHING RATIOS

<u><math>\Gamma(N\pi)/\Gamma_{\text{total}}</math></u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>	<u><math>\Gamma_1/\Gamma</math></u>
$0.04 \pm 0.01$	HOEHLER	79	IPWA $\pi N \rightarrow \pi N$	
$0.07 \pm 0.02$	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)