

**$N(2700) 13/2^+$**

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

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**

Mode
$\Gamma_1 \quad N\pi$

### **$N(2700)$ BRANCHING RATIOS**

$\Gamma(N\pi)/\Gamma_{\text{total}}$	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>	$\Gamma_1/\Gamma$
$4 \pm 1$	HOEHLER	79	IPWA $\pi N \rightarrow \pi N$	
$7 \pm 2$	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)