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

$I(J^P) = \frac{1}{2}(\frac{13}{2}^+)$ 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 | $\pi N \to \pi N$ |
| 3000±100 | HENDRY | 78 | MPWA | $\pi N \to \pi N$ |

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

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

## *N*(2700) DECAY MODES

| | Mode |
|---|---|
| $\Gamma_1$ | $N\pi$ |

## *N*(2700) BRANCHING RATIOS

**$\Gamma(N\pi)/\Gamma_{total}$** **$\Gamma_1/\Gamma$**

| *VALUE* | *DOCUMENT ID* | | *TECN* | *COMMENT* |
|---|---|---|---|---|
| 0.04±0.01 | HOEHLER | 79 | IPWA | $\pi N \to \pi N$ |
| 0.07±0.02 | HENDRY | 78 | MPWA | $\pi N \to \pi N$ |

## *N*(2700) 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) |