

$N(2600) 11/2^-$

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

### N(2600) BREIT-WIGNER MASS

| VALUE (MeV)  | DOCUMENT ID | TECN | COMMENT                                |
|--|-------------|------|--|
| <b>2550 to 2750 (<math>\approx 2600</math>) OUR ESTIMATE</b> |             |      |  |
| 2623 $\pm$ 197   | ARNDT       | 06   | DPWA $\pi N \rightarrow \pi N, \eta N$ |
| 2577 $\pm$ 50  | HOEHLER     | 79   | IPWA $\pi N \rightarrow \pi N$         |

### N(2600) BREIT-WIGNER WIDTH

| VALUE (MeV)   | DOCUMENT ID | TECN | COMMENT                                |
|---|-------------|------|--|
| <b>500 to 800 (<math>\approx 650</math>) OUR ESTIMATE</b> |             |      |  |
| 1311 $\pm$ 996  | ARNDT       | 06   | DPWA $\pi N \rightarrow \pi N, \eta N$ |
| 400 $\pm$ 100   | HOEHLER     | 79   | IPWA $\pi N \rightarrow \pi N$         |

### N(2600) DECAY MODES

| Mode                  | Fraction ( $\Gamma_i/\Gamma$ ) |
|-----------------------|--------------------------------|
| $\Gamma_1 \quad N\pi$ | 3–8 %                          |

### N(2600) BRANCHING RATIOS

| $\Gamma(N\pi)/\Gamma_{\text{total}}$                | DOCUMENT ID | TECN | COMMENT                                | $\Gamma_1/\Gamma$ |
|---|-------------|------|--|-------------------|
| <b>3 to 8 (<math>\approx 5</math>) OUR ESTIMATE</b> |             |      |  |                   |
| 5.0 $\pm$ 1.8                                       | ARNDT       | 06   | DPWA $\pi N \rightarrow \pi N, \eta N$ |                   |
| 5 $\pm$ 1   | HOEHLER     | 79   | IPWA $\pi N \rightarrow \pi N$         |                   |

### N(2600) REFERENCES

|         |    |                 |                          |             |
|---------|----|-----------------|--------------------------|-------------|
| ARNDT   | 06 | PR C74 045205   | R.A. Arndt <i>et al.</i> |             |
| HOEHLER | 79 | PDAT 12-1       | G. Hohler <i>et al.</i>  | (GWU)       |
| Also    |    | Toronto Conf. 3 | R. Koch                  | (KARLT) IJP |
|         |    |                 |                          | (KARLT) IJP |