# $\Omega(2470)^-$

Status: **

OMITTED FROM SUMMARY TABLE

A peak in the $\Omega^-\pi^+\pi^-$ mass spectrum with a signal significance claimed to be at least 5.5 standard deviations. There is no reason to seriously doubt the existence of this state, but unless the evidence is overwhelming we usually wait for confirmation from a second experiment before elevating peaks to the Summary Table.

## $\Omega(2470)^-$ MASS

| *VALUE* (MeV) | *EVTS* | *DOCUMENT ID* | | *TECN* | *COMMENT* |
|---|---|---|---|---|---|
| **2474±12** | 59 | ASTON | 88G | LASS | $K^-$ $p$ 11 GeV/$c$ |

## $\Omega(2470)^-$ WIDTH

| *VALUE* (MeV) | *EVTS* | *DOCUMENT ID* | | *TECN* | *COMMENT* |
|---|---|---|---|---|---|
| **72±33** | 59 | ASTON | 88G | LASS | $K^-$ $p$ 11 GeV/$c$ |

## $\Omega(2470)^-$ DECAY MODES

| | Mode |
|---|---|
| $\Gamma_1$ | $\Omega^-\pi^+\pi^-$ |

## $\Omega(2470)^-$ REFERENCES

ASTON 88G PL B215 799 D. Aston *et al.* (SLAC, NAGO, CINC, INUS)