$\Omega(2470)^-$

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	Fraction (Γ_i/Γ)
Γ_1	$\Omega^-\pi^+\pi^-$	seen

$\Omega(2470)^-$ BRANCHING RATIOS

$\Gamma(\Omega^-\pi^+\pi^-)/\Gamma_{total}$ **Γ_1/Γ**

VALUE	*EVTS*	*DOCUMENT ID*		*TECN*	*COMMENT*
seen	59	ASTON	88G	LASS	K^-p 11 GeV/c

$\Omega(2470)^-$ REFERENCES

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