NODE=B143

$\Omega(2470)^-$

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.

NODE=B143

$\Omega(2470)^-$ MASS

NODE=B143205

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

NODE=B143M

$\Omega(2470)^-$ WIDTH

NODE=B143210

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

NODE=B143W

$\Omega(2470)^-$ DECAY MODES

NODE=B143215;NODE=B143

	Mode
Γ_1	$\Omega^-\pi^+\pi^-$

DESIG=1

$\Omega(2470)^-$ REFERENCES

NODE=B143

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

REFID=40723