$f_2(1950)$

$I^G(J^{PC}) = 0^+(2^{++})$

OMITTED FROM SUMMARY TABLE

Needs confirmation.

$f_2(1950)$ MASS

VALUE (MeV)	*DOCUMENT ID*		*TECN*	*CHG*	*COMMENT*
1950±15	[1] ASTON	91	LASS	0	11 $K^- p \to \Lambda K \overline{K} \pi\pi$
• • • We do not use the following data for averages, fits, limits, etc. • • •					
1918±12	ANTINORI	95	OMEG		300,450 $pp \to pp2(\pi^+\pi^-)$
~ 1996	HASAN	94	RVUE		$\overline{p}p \to \pi\pi$
~ 2090	[2] OAKDEN	94	RVUE		0.36-1.55 $\overline{p}p \to \pi^+\pi^-$

[1] Cannot determine spin to be 2.

[2] From solution A of amplitude analysis of data on $\overline{p}p \to \pi\pi$ See however KLOET 96 who find waves only up to $J = 3$ to be important but not significantly resonant.

$f_2(1950)$ WIDTH

VALUE (MeV)	*DOCUMENT ID*		*TECN*	*CHG*	*COMMENT*
250±50	[3] ASTON	91	LASS	0	11 $K^- p \to \Lambda K \overline{K} \pi\pi$
• • • We do not use the following data for averages, fits, limits, etc. • • •					
390±60	ANTINORI	95	OMEG		300,450 $pp \to pp2(\pi^+\pi^-)$
~ 134	HASAN	94	RVUE		$\overline{p}p \to \pi\pi$
~ 70	[4] OAKDEN	94	RVUE		0.36-1.55 $\overline{p}p \to \pi^+\pi^-$

[3] Cannot determine spin to be 2.

[4] From solution A of amplitude analysis of data on $\overline{p}p \to \pi\pi$ See however KLOET 96 who find waves only up to $J = 3$ to be important but not significantly resonant.

$f_2(1950)$ DECAY MODES

	Mode
Γ_1	$K^*(892)\overline{K}^*(892)$
Γ_2	$\pi^0\pi^0$
Γ_3	$\pi^+\pi^-\pi^+\pi^-$

$f_2(1950)$ BRANCHING RATIOS

$\Gamma(K^*(892)\overline{K}^*(892))/\Gamma_{total}$ Γ_1/Γ

VALUE	*DOCUMENT ID*		*TECN*	*CHG*	*COMMENT*
seen	ASTON	91	LASS	0	11 $K^- p \to \Lambda K \overline{K} \pi\pi$

$f_2(1950)$ REFERENCES

KLOET	96	PR D53 6120	+Myhrer	(RUTG, NORD)
ANTINORI	95	PL B353 589	+Barberis, Bayes+	(ATHU, BARI, BIRM, CERN, JINR) JP
HASAN	94	PL B334 215	+Bugg	(LOQM)
OAKDEN	94	NPA 574 731	+Pennington	(DURH)
ASTON	91	NP B21 5 (suppl)	+Awaji+	(LASS Collab.)

OTHER RELATED PAPERS

BIENZ	90	SLAC 369		(LASS Collab.)
ALBRECHT	88N	PL B212 528	+	(ARGUS Collab.)
ALBRECHT	87Q	PL B198 255	+Binder+	(ARGUS Collab.)
ARMSTRONG	87C	ZPHY C34 33	+Bloodworth+	(CERN, BIRM, BARI, ATHU, CURIN+)