$f_1(1510)$

$I^G(J^{PC}) = 0^+(1^{++})$

$f_1(1510)$ MASS

VALUE (MeV)	*EVTS*	*DOCUMENT ID*		*TECN*	*COMMENT*
1512± 4	600	[1] BIRMAN	88	MPS	$8\ \pi^- p \rightarrow K^+ \overline{K}^0 \pi^- n$
• • • We do not use the following data for averages, fits, limits, etc. • • •					
~ 1525		[2] BAUER	93B		$\gamma\gamma^* \rightarrow \pi^+ \pi^- \pi^0 \pi^0$
1530±10		ASTON	88C	LASS	$11\ K^- p \rightarrow K^0_S K^\pm \pi^\mp \Lambda$
1526± 6	271	GAVILLET	82	HBC	$4.2\ K^- p \rightarrow \Lambda K K \pi$

[1] From partial wave analysis of $K^+ \overline{K}^0 \pi^-$ state.
[2] Possibly a different resonance than that seen in $K\overline{K}\pi$, isospin and spin uncertain.

$f_1(1510)$ WIDTH

VALUE (MeV)	*EVTS*	*DOCUMENT ID*		*TECN*	*COMMENT*
35±15	600	[3] BIRMAN	88	MPS	$8\ \pi^- p \rightarrow K^+ \overline{K}^0 \pi^- n$
• • • We do not use the following data for averages, fits, limits, etc. • • •					
100±40		ASTON	88C	LASS	$11\ K^- p \rightarrow K^0_S K^\pm \pi^\mp \Lambda$
107±15	271	GAVILLET	82	HBC	$4.2\ K^- p \rightarrow \Lambda K K \pi$

[3] From partial wave analysis of $K^+ \overline{K}^0 \pi^-$ state.

$f_1(1510)$ DECAY MODES

	Mode	Fraction (Γ_i/Γ)
Γ_1	$K\overline{K}^*(892)$+ c.c.	seen

$f_1(1510)$ REFERENCES

BAUER	93B	PR D48 3976	+Belcinski, Berg, Bingham+	(SLAC)
ASTON	88C	PL B201 573	+Awaji, Bienz+	(SLAC, NAGO, CINC, INUS) JP
BIRMAN	88	PRL 61 1557	+Chung, Peaslee+	(BNL, FSU, IND, MASD) JP
GAVILLET	82	ZPHY C16 119	+Armenteros+	(CERN, CDEF, PADO, ROMA)