

$f_1(1510)$

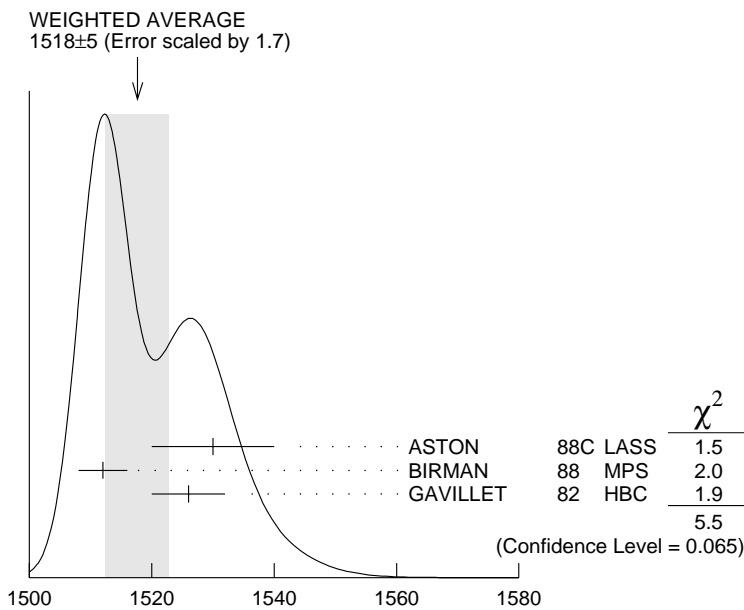
$$I^G(J^{PC}) = 0^+(1^{++})$$

OMITTED FROM SUMMARY TABLE

See the minireview under $\eta(1440)$.

$f_1(1510)$ MASS

VALUE (MeV)	EVTS	DOCUMENT ID	TECN	COMMENT
1518 ± 5 OUR AVERAGE		Error includes scale factor of 1.7.		See the ideogram below.
1530 ± 10		ASTON	88C LASS	11 $K^- p \rightarrow K_S^0 K^\pm \pi^\mp \Lambda$
1512 ± 4	600	¹ BIRMAN	88 MPS	8 $\pi^- p \rightarrow K^+ \bar{K}^0 \pi^- n$
1526 ± 6	271	GAVILLET	82 HBC	4.2 $K^- p \rightarrow \Lambda K K \pi$
● ● ● We do not use the following data for averages, fits, limits, etc. ● ● ●				
~ 1525		² BAUER	93B	$\gamma\gamma^* \rightarrow \pi^+ \pi^- \pi^0 \pi^0$
¹ From partial wave analysis of $K^+ \bar{K}^0 \pi^-$ state.				
² Not seen by AIHARA 88C in the $K_S^0 K^\pm \pi^\mp$ final state.				

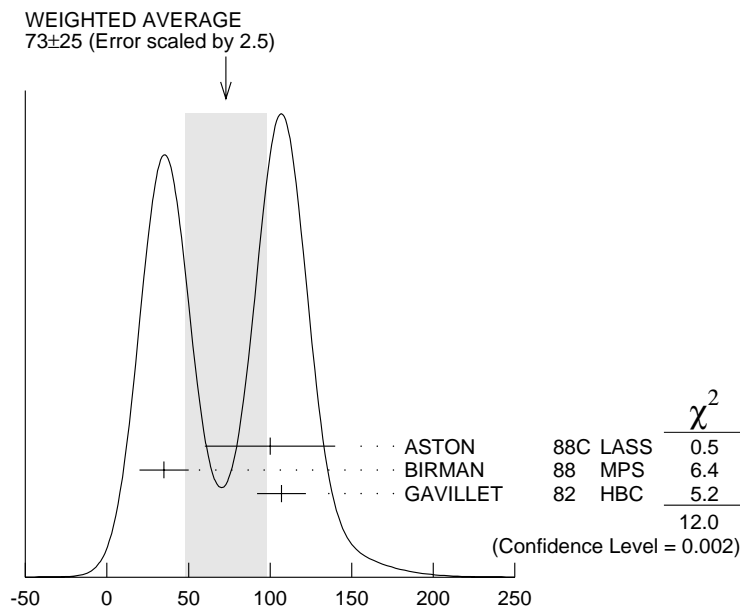


$f_1(1510)$ mass (MeV)

$f_1(1510)$ WIDTH

VALUE (MeV)	EVTS	DOCUMENT ID	TECN	COMMENT
73 ± 25 OUR AVERAGE Error includes scale factor of 2.5. See the ideogram below.				
100 ± 40		ASTON	88C LASS	11 $K^- p \rightarrow K_S^0 K^\pm \pi^\mp \Lambda$
35 ± 15	600	³ BIRMAN	88 MPS	8 $\pi^- p \rightarrow K^+ \bar{K}^0 \pi^- n$
107 ± 15	271	GAVILLET	82 HBC	4.2 $K^- p \rightarrow \Lambda K K \pi$

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



$f_1(1510)$ width (MeV)

$f_1(1510)$ DECAY MODES

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

$f_1(1510)$ REFERENCES

BAUER	93B PR D48 3976	+Belcinski, Berg, Bingham+	(SLAC)
AIHARA	88C PR D38 1	+Alston-Garnjost+	(TPC-2 γ Collab.)
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)

————— **OTHER RELATED PAPERS** —————

ABELE	97G	PL B415 289	A. Abele+	
BARBERIS	97C	PL B413 225	D. Barberis+	(WA102 Collab.)
CLOSE	97D	ZPHY C76 469	F.E. Close+	
KING	91	NP B21 11 (suppl)	E. King+	(FSU, BNL+)
AIHARA	88C	PR D38 1	+Alston-Garnjost+	(TPC-2 γ Collab.)
BITYUKOV	84	SJNP 39 735	S. Bityukov+	(SERP)
		Translated from YAF 39 1165.		
