$h_1(1415)$

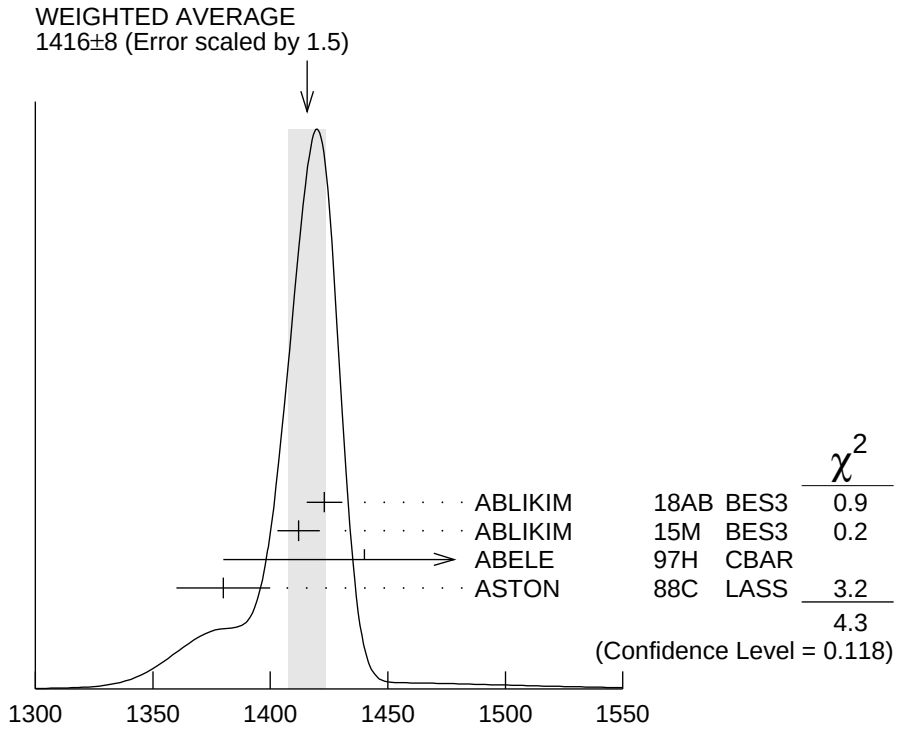
$I^G(J^{PC}) = 0^-(1^{+-})$

was $h_1(1380)$

$h_1(1415)$ MASS

VALUE (MeV)	*EVTS*	*DOCUMENT ID*		*TECN*	*COMMENT*
1416± 8 OUR AVERAGE		Error includes scale factor of 1.5. See the ideogram below.			
1423± 2.1±7.3	2.2k	[1] ABLIKIM	18AB	BES3	$J/\psi \to \eta' h_1 \to \eta' K^* \overline{K}$
1412± 4 ±8		[1] ABLIKIM	15M	BES3	$\psi(2S) \to \gamma\chi_{c1,2} \to \gamma\phi(h_1 \to K^*\overline{K})$
1440±60		ABELE	97H	CBAR	$\overline{p}p \to K^0_L K^0_S \pi^0\pi^0$
1380±20		ASTON	88C	LASS	11 $K^- p \to K^0_S K^\pm \pi^\mp \Lambda$

[1] Final states $K^+K^-\pi^0$ and $K^0_S K^\pm \pi^\mp$.



$h_1(1415)$ WIDTH

VALUE (MeV)	*EVTS*	*DOCUMENT ID*		*TECN*	*COMMENT*
90 ±15 OUR AVERAGE					
90.3± 9.8±17.5	2.2k	[1] ABLIKIM	18AB	BES3	$J/\psi \to \eta' h_1 \to \eta' K^* \overline{K}$
84 ±12 ±40		[1] ABLIKIM	15M	BES3	$\psi(2S) \to \gamma\chi_{c1,2} \to \gamma\phi(h_1 \to K^*\overline{K})$

170	±80	ABELE	97H	CBAR	$\overline{p}p \rightarrow K^0_L K^0_S \pi^0 \pi^0$
80	±30	ASTON	88C	LASS	11 $K^- p \rightarrow K^0_S K^\pm \pi^\mp \Lambda$

[1] Final states $K^+ K^- \pi^0$ and $K^0_S K^\pm \pi^\mp$.

$h_1(1415)$ DECAY MODES

	Mode
Γ_1	$K\overline{K}^*(892)+$ c.c.

$h_1(1415)$ REFERENCES

ABLIKIM	18AB	PR D98 072005	M. Ablikim *et al.*	(BESIII Collab.)
ABLIKIM	15M	PR D91 112008	M. Ablikim *et al.*	(BESIII Collab.)
ABELE	97H	PL B415 280	A. Abele *et al.*	(Crystal Barrel Collab.)
ASTON	88C	PL B201 573	D. Aston *et al.*	(SLAC, NAGO, CINC, INUS)