

$h_1(1380)$

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

OMITTED FROM SUMMARY TABLE

Seen in partial-wave analysis of the $K\bar{K}\pi$ system. Needs confirmation. **$h_1(1380)$ MASS**

VALUE (MeV)	DOCUMENT ID	TECN	COMMENT
1407 ± 12 OUR AVERAGE	Error includes scale factor of 1.5.		
$1412 \pm 4 \pm 8$	ABLIKIM	15M BES3	$\psi(2S) \rightarrow \gamma \chi_{c1,2} \rightarrow \gamma K^* \bar{K}$
1440 ± 60	ABELE	97H CBAR	$\bar{p}p \rightarrow K_L^0 K_S^0 \pi^0 \pi^0$
1380 ± 20	ASTON	88C LASS	$11 K^- p \rightarrow K_S^0 K^\pm \pi^\mp \Lambda$

 $h_1(1380)$ WIDTH

VALUE (MeV)	DOCUMENT ID	TECN	COMMENT
89 ± 23 OUR AVERAGE			
$84 \pm 12 \pm 40$	ABLIKIM	15M BES3	$\psi(2S) \rightarrow \gamma \chi_{c1,2} \rightarrow \gamma K^* \bar{K}$
170 ± 80	ABELE	97H CBAR	$\bar{p}p \rightarrow K_L^0 K_S^0 \pi^0 \pi^0$
80 ± 30	ASTON	88C LASS	$11 K^- p \rightarrow K_S^0 K^\pm \pi^\mp \Lambda$

 $h_1(1380)$ DECAY MODES

Mode
$\Gamma_1 \quad K\bar{K}^*(892) + \text{c.c.}$

 $h_1(1380)$ REFERENCES

ABLIKIM	15M PR D91 112008	M. Ablikim <i>et al.</i>	(BES III Collab.)
ABELE	97H PL B415 280	A. Abele <i>et al.</i>	(Crystal Barrel Collab.)
ASTON	88C PL B201 573	D. Aston <i>et al.</i>	(SLAC, NAGO, CINC, INUS)