$h_1(1170)$

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

$h_1(1170)$ MASS

VALUE (MeV)	DOCUMENT ID		TECN	CHG	COMMENT
1170±20 OUR ESTIMATE					
• • • We do not use the following data for averages, fits, limits, etc. • • •					
1168± 4		ANDO	92	SPEC		$8\,\pi^- p \to$ $\pi^+\pi^-\pi^0 n$
1166± 5±3	[1]	ANDO	92	SPEC		$8\,\pi^- p \to$ $\pi^+\pi^-\pi^0 n$
1190±60	[2]	DANKOWY...	81	SPEC	0	$8\,\pi p \to 3\pi\, n$

[1] Average and spread of values using 2 variants of the model of BOWLER 75.
[2] Uses the model of BOWLER 75.

$h_1(1170)$ WIDTH

VALUE (MeV)	DOCUMENT ID		TECN	CHG	COMMENT
360±40 OUR ESTIMATE					
• • • We do not use the following data for averages, fits, limits, etc. • • •					
345± 6		ANDO	92	SPEC		$8\,\pi^- p \to$ $\pi^+\pi^-\pi^0 n$
375± 6±34	[3]	ANDO	92	SPEC		$8\,\pi^- p \to$ $\pi^+\pi^-\pi^0 n$
320±50	[4]	DANKOWY...	81	SPEC	0	$8\,\pi p \to 3\pi\, n$

[3] Average and spread of values using 2 variants of the model of BOWLER 75.
[4] Uses the model of BOWLER 75.

$h_1(1170)$ DECAY MODES

	Mode	Fraction (Γ_i/Γ)
Γ_1	$\rho\pi$	seen

$h_1(1170)$ BRANCHING RATIOS

$\Gamma(\rho\pi)/\Gamma_{\text{total}}$ $\hfill \Gamma_1/\Gamma$

VALUE	DOCUMENT ID		TECN	COMMENT
• • • We do not use the following data for averages, fits, limits, etc. • • •				
seen	ANDO	92	SPEC	$8\,\pi^- p \to \pi^+\pi^-\pi^0 n$
seen	ATKINSON	84	OMEG	20–$70\ \gamma p \to$ $\pi^+\pi^-\pi^0 p$
seen	DANKOWY...	81	SPEC	$8\,\pi p \to 3\pi\, n$

$h_1(1170)$ REFERENCES

ANDO	92	PL B291 496	A. Ando *et al.*	(KEK, KYOT, NIRS, SAGA+)
ATKINSON	84	NP B231 15	M. Atkinson *et al.*	(BONN, CERN, GLAS+)
DANKOWY...	81	PRL 46 580	J.A. Dankowych *et al.*	(TNTO, BNL, CARL+)
BOWLER	75	NP B97 227	M.G. Bowler *et al.*	(OXFTP, DARE)