$h_1(1170)$

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

$h_1(1170)$ 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

$\Gamma(\rho\pi)/\Gamma_{total}$ **Γ_1/Γ**

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)