

$h_1(1170)$

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

$h_1(1170)$ MASS

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

<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>CHG</u>	<u>COMMENT</u>
360±40 OUR ESTIMATE				
● ● ● We do not use the following data for averages, fits, limits, etc. ● ● ●				
345 ± 6	ANDO	92	SPEC	$8 \pi^- p \rightarrow \pi^+ \pi^- \pi^0 n$
375 ± 6 ± 34	³ ANDO	92	SPEC	$8 \pi^- p \rightarrow \pi^+ \pi^- \pi^0 n$
320 ± 50	⁴ DANKOWY...	81	SPEC 0	$8 \pi p \rightarrow 3\pi n$
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)
$\Gamma_1 \quad \rho\pi$	seen

$h_1(1170)$ BRANCHING RATIOS

<u>$\Gamma(\rho\pi)/\Gamma_{\text{total}}$</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>	<u>Γ_1/Γ</u>
● ● ● We do not use the following data for averages, fits, limits, etc. ● ● ●				
seen	ANDO	92	SPEC	$8 \pi^- p \rightarrow \pi^+ \pi^- \pi^0 n$
seen	ATKINSON	84	OMEG	$20-70 \gamma p \rightarrow \pi^+ \pi^- \pi^0 p$
seen	DANKOWY...	81	SPEC	$8 \pi p \rightarrow 3\pi n$

$h_1(1170)$ REFERENCES

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