

# h<sub>1</sub>(1170)

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

## h<sub>1</sub>(1170) MASS

VALUE (MeV)	DOCUMENT ID	TECN	CHG	COMMENT
<b>1170±20 OUR ESTIMATE</b>				
● ● ● We do not use the following data for averages, fits, limits, etc. ● ● ●				
1168 ± 4	ANDO	92	SPEC	8 π <sup>-</sup> p → π <sup>+</sup> π <sup>-</sup> π <sup>0</sup> n
1166 ± 5 ± 3	<sup>1</sup> ANDO	92	SPEC	8 π <sup>-</sup> p → π <sup>+</sup> π <sup>-</sup> π <sup>0</sup> n
1190 ± 60	<sup>2</sup> DANKOWY...	81	SPEC 0	8 π p → 3π n
<sup>1</sup> Average and spread of values using 2 variants of the model of BOWLER 75.				
<sup>2</sup> Uses the model of BOWLER 75.				

## h<sub>1</sub>(1170) WIDTH

VALUE (MeV)	DOCUMENT ID	TECN	CHG	COMMENT
<b>360±40 OUR ESTIMATE</b>				
● ● ● We do not use the following data for averages, fits, limits, etc. ● ● ●				
345 ± 6	ANDO	92	SPEC	8 π <sup>-</sup> p → π <sup>+</sup> π <sup>-</sup> π <sup>0</sup> n
375 ± 6 ± 34	<sup>3</sup> ANDO	92	SPEC	8 π <sup>-</sup> p → π <sup>+</sup> π <sup>-</sup> π <sup>0</sup> n
320 ± 50	<sup>4</sup> DANKOWY...	81	SPEC 0	8 π p → 3π n
<sup>3</sup> Average and spread of values using 2 variants of the model of BOWLER 75.				
<sup>4</sup> Uses the model of BOWLER 75.				

## h<sub>1</sub>(1170) DECAY MODES

Mode	Fraction (Γ <sub>i</sub> /Γ)
Γ <sub>1</sub> ρπ	seen

## h<sub>1</sub>(1170) BRANCHING RATIOS

Γ(ρπ)/Γ <sub>total</sub>	DOCUMENT ID	TECN	COMMENT	Γ <sub>1</sub> /Γ
● ● ● We do not use the following data for averages, fits, limits, etc. ● ● ●				
seen	ANDO	92	SPEC	8 π <sup>-</sup> p → π <sup>+</sup> π <sup>-</sup> π <sup>0</sup> n
seen	ATKINSON	84	OMEG	20-70 γ p → π <sup>+</sup> π <sup>-</sup> π <sup>0</sup> p
seen	DANKOWY...	81	SPEC	8 π p → 3π n

## h<sub>1</sub>(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)