

$h_1(1170)$

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

 $h_1(1170)$ 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 | $8 \pi^- p \rightarrow \pi^+ \pi^- \pi^0 n$ |
| $1166 \pm 5 \pm 3$ | 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 | $8 \pi^- p \rightarrow \pi^+ \pi^- \pi^0 n$ |
| $375 \pm 6 \pm 34$ | 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) |