

# $h_1(1380)$

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

OMITTED FROM SUMMARY TABLE

Seen in partial-wave analysis of the  $K\bar{K}\pi$  system. Needs confirmation.

## $h_1(1380)$ MASS

| <u>VALUE (MeV)</u>           | <u>DOCUMENT ID</u> | <u>TECN</u> | <u>COMMENT</u>                                     |
|------------------------------|--------------------|-------------|--|
| <b>1386 ± 19 OUR AVERAGE</b> |                    |             |  |
| 1440 ± 60                    | ABELE              | 97H CBAR    | $\bar{p}p \rightarrow K_L^0 K_S^0 \pi^0 \pi^0$     |
| 1380 ± 20                    | ASTON              | 88C LASS    | 11 $K^- p \rightarrow K_S^0 K^\pm \pi^\mp \Lambda$ |

## $h_1(1380)$ WIDTH

| <u>VALUE (MeV)</u>   | <u>DOCUMENT ID</u> | <u>TECN</u> | <u>COMMENT</u>                                     |
|--|--------------------|-------------|--|
| <b>91 ± 30 OUR AVERAGE</b> Error includes scale factor of 1.1. |                    |             |  |
| 170 ± 80   | ABELE              | 97H CBAR    | $\bar{p}p \rightarrow K_L^0 K_S^0 \pi^0 \pi^0$     |
| 80 ± 30  | ASTON              | 88C LASS    | 11 $K^- p \rightarrow K_S^0 K^\pm \pi^\mp \Lambda$ |

## $h_1(1380)$ DECAY MODES

| Mode   |
|--|
| $\Gamma_1 \quad K\bar{K}^*(892) + \text{c.c.}$ |

## $h_1(1380)$ REFERENCES

|       |     |             |                        |                          |
|-------|-----|-------------|------------------------|--------------------------|
| ABELE | 97H | PL B415 280 | A. Abele <i>et al.</i> | (Crystal Barrel Collab.) |
| ASTON | 88C | PL B201 573 | D. Aston <i>et al.</i> | (SLAC, NAGO, CINC, INUS) |

## OTHER RELATED PAPERS

|    |     |             |                        |
|----|-----|-------------|------------------------|
| LI | 05D | EPJ A26 141 | D.-M. Li, B. Ma, H. Yu |
|----|-----|-------------|------------------------|