

$K_1(1650)$

$$I(J^P) = \frac{1}{2}(1^+)$$

OMITTED FROM SUMMARY TABLE

This entry contains various peaks in strange meson systems ($K^+ \phi$, $K \pi \pi$) reported in partial-wave analysis in the 1600–1900 mass region.

 $K_1(1650)$ MASS

| <u>VALUE (MeV)</u> | <u>DOCUMENT ID</u> | <u>TECN</u> | <u>CHG</u> | <u>COMMENT</u> |
|-------------------------------------------------------------------------------|--------------------|-------------|------------|-----------------------------------|
| 1650 ± 50 | FRAME | 86 | OMEG + | 13 $K^+ p \rightarrow \phi K^+ p$ |
| ● ● ● We do not use the following data for averages, fits, limits, etc. ● ● ● | | | | |
| ~ 1840 | ARMSTRONG | 83 | OMEG - | 18.5 $K^- p \rightarrow 3K p$ |
| ~ 1800 | DAUM | 81C | CNTR - | 63 $K^- p \rightarrow K^- 2\pi p$ |

 $K_1(1650)$ WIDTH

| <u>VALUE (MeV)</u> | <u>DOCUMENT ID</u> | <u>TECN</u> | <u>CHG</u> | <u>COMMENT</u> |
|-------------------------------------------------------------------------------|--------------------|-------------|------------|-----------------------------------|
| 150 ± 50 | FRAME | 86 | OMEG + | 13 $K^+ p \rightarrow \phi K^+ p$ |
| ● ● ● We do not use the following data for averages, fits, limits, etc. ● ● ● | | | | |
| ~ 250 | DAUM | 81C | CNTR - | 63 $K^- p \rightarrow K^- 2\pi p$ |

 $K_1(1650)$ DECAY MODES

| <u>Mode</u> | |
|-------------|-------------|
| Γ_1 | $K \pi \pi$ |
| Γ_2 | $K \phi$ |

 $K_1(1650)$ REFERENCES

| | | | | |
|-----------|-----|-------------|------------------------------|---------------------------|
| FRAME | 86 | NP B276 667 | D. Frame <i>et al.</i> | (GLAS) |
| ARMSTRONG | 83 | NP B221 1 | T.A. Armstrong <i>et al.</i> | (BARI, BIRM, CERN+) |
| DAUM | 81C | NP B187 1 | C. Daum <i>et al.</i> | (AMST, CERN, CRAC, MPIM+) |