# $K_1(1650)$

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

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

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

## $K_1(1650)$ WIDTH

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

## $K_1(1650)$ DECAY MODES

| | Mode |
|---|---|
| $\Gamma_1$ | $K\pi\pi$ |
| $\Gamma_2$ | $K\phi$ |

## $K_1(1650)$ REFERENCES


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