# $K(1830)$

$I(J^P) = \frac{1}{2}(0^-)$

OMITTED FROM SUMMARY TABLE

Seen in partial-wave analysis of $K\phi$ system. Needs confirmation.

## $K(1830)$ MASS

| *VALUE* (MeV) | *EVTS* | *DOCUMENT ID* | | *TECN* | *CHG* | *COMMENT* |
|---|---|---|---|---|---|---|
| $\mathbf{1874 \pm 43^{+59}_{-115}}$ | 4289 | [1] AAIJ | 17C | LHCB | | $B^+ \to J/\psi\phi K^+$ |
| • • • We do not use the following data for averages, fits, limits, etc. • • • | | | | | | |
| $\sim 1830$ | | ARMSTRONG | 83 | OMEG | − | 18.5 $K^- p \to 3K p$ |

[1] From an amplitude analysis of the decay $B^+ \to J/\psi\phi K^+$ with a significance of 3.5 $\sigma$.

## $K(1830)$ WIDTH

| *VALUE* (MeV) | *EVTS* | *DOCUMENT ID* | | *TECN* | *CHG* | *COMMENT* |
|---|---|---|---|---|---|---|
| $\mathbf{168 \pm 90^{+280}_{-104}}$ | 4289 | [2] AAIJ | 17C | LHCB | | $B^+ \to J/\psi\phi K^+$ |
| • • • We do not use the following data for averages, fits, limits, etc. • • • | | | | | | |
| $\sim 250$ | | ARMSTRONG | 83 | OMEG | − | 18.5 $K^- p \to 3K p$ |

[2] From an amplitude analysis of the decay $B^+ \to J/\psi\phi K^+$ with a significance of 3.5 $\sigma$.

## $K(1830)$ DECAY MODES

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

## $K(1830)$ REFERENCES


| | | | | |
|---|---|---|---|---|
| AAIJ | 17C | PRL 118 022003 | R. Aaij *et al.* | (LHCb Collab.) |
| Also | | PR D95 012002 | R. Aaij *et al.* | (LHCb Collab.) |
| ARMSTRONG | 83 | NP B221 1 | T.A. Armstrong *et al.* | (BARI, BIRM, CERN+) JP |