

K₁(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.

K₁(1650) MASS

VALUE (MeV)	DOCUMENT ID	TECN	CHG	COMMENT
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 $K^- p \rightarrow K^- 2\pi p$

K₁(1650) WIDTH

VALUE (MeV)	DOCUMENT ID	TECN	CHG	COMMENT
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 $K^- p \rightarrow K^- 2\pi p$

K₁(1650) DECAY MODES

Mode
Γ_1 $K \pi \pi$
Γ_2 $K \phi$

K₁(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+)