NODE=M099

$K_1(1650)$

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

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.

NODE=M099

$K_1(1650)$ MASS

NODE=M099205

NODE=M099M

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 $K^- p \rightarrow K^- 2\pi p$

$K_1(1650)$ WIDTH

NODE=M099210

NODE=M099W

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 $K^- p \rightarrow K^- 2\pi p$

$K_1(1650)$ DECAY MODES

NODE=M099215;NODE=M099

	Mode	
Γ_1	$K\pi\pi$	DESIG=1
Γ_2	$K\phi$	DESIG=2

$K_1(1650)$ REFERENCES

NODE=M099

FRAME 86 NP B276 667 D. Frame *et al.* (GLAS) REFID=20569

ARMSTRONG 83 NP B221 1 T.A. Armstrong *et al.* (BARI, BIRM, CERN+) REFID=22801

DAUM 81C NP B187 1 C. Daum *et al.* (AMST, CERN, CRAC, MPIM+) REFID=22548