

K(1460)

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

OMITTED FROM SUMMARY TABLE

Observed in $K\pi\pi$ partial-wave analysis.

K(1460) MASS

VALUE (MeV)	DOCUMENT ID	TECN	CHG	COMMENT
● ● ● We do not use the following data for averages, fits, limits, etc. ● ● ●				
~ 1460	DAUM	81C CNTR	–	63 $K^- p \rightarrow K^- 2\pi p$
~ 1400	¹ BRANDENB...	76B ASPK	±	13 $K^\pm p \rightarrow K^\pm 2\pi p$
¹ Coupled mainly to $K f_0(1370)$. Decay into $K^*(892)\pi$ seen.				

K(1460) WIDTH

VALUE (MeV)	DOCUMENT ID	TECN	CHG	COMMENT
● ● ● We do not use the following data for averages, fits, limits, etc. ● ● ●				
~ 260	DAUM	81C CNTR	–	63 $K^- p \rightarrow K^- 2\pi p$
~ 250	² BRANDENB...	76B ASPK	±	13 $K^\pm p \rightarrow K^\pm 2\pi p$
² Coupled mainly to $K f_0(1370)$. Decay into $K^*(892)\pi$ seen.				

K(1460) DECAY MODES

Mode	Fraction (Γ_i/Γ)
Γ_1 $K^*(892)\pi$	seen
Γ_2 $K\rho$	seen
Γ_3 $K_0^*(1430)\pi$	seen

K(1460) PARTIAL WIDTHS

$\Gamma(K^*(892)\pi)$	Γ_1		
VALUE (MeV)	DOCUMENT ID	TECN	COMMENT
● ● ● We do not use the following data for averages, fits, limits, etc. ● ● ●			
~ 109	DAUM	81C CNTR	63 $K^- p \rightarrow K^- 2\pi p$
$\Gamma(K\rho)$			Γ_2
VALUE (MeV)	DOCUMENT ID	TECN	COMMENT
● ● ● We do not use the following data for averages, fits, limits, etc. ● ● ●			
~ 34	DAUM	81C CNTR	63 $K^- p \rightarrow K^- 2\pi p$
$\Gamma(K_0^*(1430)\pi)$			Γ_3
VALUE (MeV)	DOCUMENT ID	TECN	COMMENT
● ● ● We do not use the following data for averages, fits, limits, etc. ● ● ●			
~ 117	DAUM	81C CNTR	63 $K^- p \rightarrow K^- 2\pi p$

K(1460) REFERENCES

DAUM	81C	NP B187 1	C. Daum <i>et al.</i>	(AMST, CERN, CRAC, MPIM+)
BRANDENB...	76B	PRL 36 1239	G.W. Brandenburg <i>et al.</i>	(SLAC) JP

OTHER RELATED PAPERS

TANIMOTO	82	PL 116B 198	M. Tanimoto	(BIEL)
VERGEEST	79	NP B158 265	J.S.M. Vergeest <i>et al.</i>	(NIJM, AMST, CERN+)
