

**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	<sup>1</sup> BRANDENB...	76B ASPK	±	13 $K^\pm p \rightarrow K^\pm 2\pi p$
<sup>1</sup> 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	<sup>2</sup> BRANDENB...	76B ASPK	±	13 $K^\pm p \rightarrow K^\pm 2\pi p$
<sup>2</sup> Coupled mainly to $K f_0(1370)$ . Decay into $K^*(892)\pi$ seen.				

### K(1460) DECAY MODES

Mode	Fraction ( $\Gamma_i/\Gamma$ )
$\Gamma_1$ $K^*(892)\pi$	seen
$\Gamma_2$ $K\rho$	seen
$\Gamma_3$ $K_0^*(1430)\pi$	seen

### K(1460) PARTIAL WIDTHS

<b><math>\Gamma(K^*(892)\pi)</math></b>				<b><math>\Gamma_1</math></b>
VALUE (MeV)	DOCUMENT ID	TECN	COMMENT	
● ● ● We do not use the following data for averages, fits, limits, etc. ● ● ●				
~ 109	DAUM	81C CNTR	63 $K^- p \rightarrow K^- 2\pi p$	
<b><math>\Gamma(K\rho)</math></b>				<b><math>\Gamma_2</math></b>
VALUE (MeV)	DOCUMENT ID	TECN	COMMENT	
● ● ● We do not use the following data for averages, fits, limits, etc. ● ● ●				
~ 34	DAUM	81C CNTR	63 $K^- p \rightarrow K^- 2\pi p$	
<b><math>\Gamma(K_0^*(1430)\pi)</math></b>				<b><math>\Gamma_3</math></b>
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

BARNES	82	PL B116 365	T. Barnes, F.E. Close	(RHEL)
TANIMOTO	82	PL 116B 198	M. Tanimoto	(BIEL)
VERGEEST	79	NP B158 265	J.S.M. Vergeest <i>et al.</i>	(NIJM, AMST, CERN+)

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