

# 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
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• • • 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 $K^\pm p \rightarrow K^+ 2\pi p$

<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
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• • • 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 $K^\pm p \rightarrow K^+ 2\pi p$

<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

### $\Gamma(K^*(892)\pi)$ $\Gamma_1$

VALUE (MeV)	DOCUMENT ID	TECN	COMMENT
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• • • We do not use the following data for averages, fits, limits, etc. • • •

~ 109	DAUM	81C CNTR	63 $K^- p \rightarrow K^- 2\pi p$
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### $\Gamma(K\rho)$ $\Gamma_2$

VALUE (MeV)	DOCUMENT ID	TECN	COMMENT
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• • • We do not use the following data for averages, fits, limits, etc. • • •

~ 34	DAUM	81C CNTR	63 $K^- p \rightarrow K^- 2\pi p$
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### $\Gamma(K_0^*(1430)\pi)$ $\Gamma_3$

VALUE (MeV)	DOCUMENT ID	TECN	COMMENT
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• • • We do not use the following data for averages, fits, limits, etc. • • •

~ 117	DAUM	81C CNTR	63 $K^- p \rightarrow K^- 2\pi p$
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## 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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