

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	¹ BRANDENB...	76B ASPK	±	13 $K^\pm p \rightarrow K^+ 2\pi p$

¹ Coupled mainly to $K f_0(1370)$. Decay into $K^*(892)\pi$ seen.

K(1460) WIDTH

VALUE (MeV)	DOCUMENT ID	TECN	CHG	COMMENT
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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	² BRANDENB...	76B ASPK	±	13 $K^\pm p \rightarrow K^+ 2\pi p$

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
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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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$\Gamma(K\rho)$ Γ_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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$\Gamma(K_0^*(1430)\pi)$ Γ_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

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