

**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)	EVTS	DOCUMENT ID	TECN	CHG	COMMENT
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• • • We do not use the following data for averages, fits, limits, etc. • • •

$1482.40 \pm 3.58 \pm 15.22$	894k	AAIJ	18A1	LHCB	$D^0 \rightarrow K^\mp 2\pi^\pm \pi^\mp$
$\sim 1460$	63	DAUM	81C	CNTR	$K^- p \rightarrow K^- 2\pi p$
$\sim 1400$	13	<sup>1</sup> BRANDENB...	76B	ASPK	$K^\pm p \rightarrow K^+ 2\pi p$

<sup>1</sup> Coupled mainly to  $K f_0(1370)$ . Decay into  $K^*(892)\pi$  seen.**K(1460) WIDTH**

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

$335.60 \pm 6.20 \pm 8.65$	894k	AAIJ	18A1	LHCB	$D^0 \rightarrow K^\mp 2\pi^\pm \pi^\mp$
$\sim 260$	63	DAUM	81C	CNTR	$K^- p \rightarrow K^- 2\pi p$
$\sim 250$	15	<sup>1</sup> BRANDENB...	76B	ASPK	$K^\pm p \rightarrow K^+ 2\pi p$

<sup>1</sup> Coupled mainly to  $K f_0(1370)$ . Decay into  $K^*(892)\pi$  seen.**K(1460) 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. • • •

$\sim 109$	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. • • •

$\sim 34$	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 \_\_\_\_\_

• • • 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

AAIJ	18AI	EPJ C78 443	R. Aaij <i>et al.</i>	(LHCb Collab.)
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