

**K(1460)**

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

OMITTED FROM SUMMARY TABLE

Observed in  $K\pi\pi$  partial-wave analysis.**K(1460) MASS**

<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>CHG</u>	<u>COMMENT</u>
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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**

<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>CHG</u>	<u>COMMENT</u>
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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** **$\Gamma(K^*(892)\pi)$**   **$\Gamma_1$** 

<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
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● ● ● We do not use the following data for averages, fits, limits, etc. ● ● ●

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

<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
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● ● ● We do not use the following data for averages, fits, limits, etc. ● ● ●

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

<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
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● ● ● We do not use the following data for averages, fits, limits, etc. ● ● ●

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

## **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**

ABLIKIM	05Q	PR D72 092002	M. Ablikim <i>et al.</i>	(BES Collab.)
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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