

**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>
● ● ● 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>
● ● ● 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**

	<u>Mode</u>	<u>Fraction (<math>\Gamma_i/\Gamma</math>)</u>
$\Gamma_1$	$K^*(892)\pi$	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>
● ● ● 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>
● ● ● 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>
● ● ● 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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