

**$K_2^*(1430)$**  $I(J^P) = \frac{1}{2}(2^+)$ 

We consider that phase-shift analyses provide more reliable determinations of the mass and width.

 **$K_2^*(1430)$  MASS****CHARGED ONLY, WITH FINAL STATE  $K\pi$** 

VALUE (MeV)	EVTS	DOCUMENT ID	TECN	CHG	COMMENT
<b><math>1425.6 \pm 1.5</math> OUR AVERAGE</b>		Error includes scale factor of 1.1.			
1420 $\pm$ 4	1587	BAUBILLIER	84B	HBC	$- 8.25 K^- p \rightarrow \bar{K}^0 \pi^- p$
1436 $\pm$ 5.5	400	1,2 CLELAND	82	SPEC	$+ 30 K^+ p \rightarrow K_S^0 \pi^+ p$
1430 $\pm$ 3.2	1500	1,2 CLELAND	82	SPEC	$+ 50 K^+ p \rightarrow K_S^0 \pi^+ p$
1430 $\pm$ 3.2	1200	1,2 CLELAND	82	SPEC	$- 50 K^+ p \rightarrow K_S^0 \pi^- p$
1423 $\pm$ 5	935	TOAFF	81	HBC	$- 6.5 K^- p \rightarrow \bar{K}^0 \pi^- p$
1428.0 $\pm$ 4.6		3 MARTIN	78	SPEC	$+ 10 K^\pm p \rightarrow K_S^0 \pi p$
1423.8 $\pm$ 4.6		3 MARTIN	78	SPEC	$- 10 K^\pm p \rightarrow K_S^0 \pi p$
1420.0 $\pm$ 3.1	1400	AGUILAR...	71B	HBC	$- 3.9, 4.6 K^- p$
1425 $\pm$ 8.0	225	1,2 BARNHAM	71C	HBC	$+ K^+ p \rightarrow K^0 \pi^+ p$
1416 $\pm$ 10	220	CRENNELL	69D	DBC	$- 3.9 K^- N \rightarrow \bar{K}^0 \pi^- N$
1414 $\pm$ 13.0	60	1 LIND	69	HBC	$+ 9 K^+ p \rightarrow K^0 \pi^+ p$
1427 $\pm$ 12	63	1 SCHWEING...	68	HBC	$- 5.5 K^- p \rightarrow \bar{K} \pi N$
1423 $\pm$ 11.0	39	1 BASSANO	67	HBC	$- 4.6-5.0 K^- p \rightarrow \bar{K}^0 \pi^- p$
<b>• • • We do not use the following data for averages, fits, limits, etc. • • •</b>					
1423.4 $\pm$ 2 $\pm$ 3	$24809 \pm 820$	<sup>4</sup> BIRD	89	LASS	$- 11 K^- p \rightarrow \bar{K}^0 \pi^- p$

**NEUTRAL ONLY**

VALUE (MeV)	EVTS	DOCUMENT ID	TECN	COMMENT	
<b><math>1432.4 \pm 1.3</math> OUR AVERAGE</b>					
1431.2 $\pm$ 1.8 $\pm$ 0.7		5 ASTON	88	LASS $11 K^- p \rightarrow K^- \pi^+ n$	
1434 $\pm$ 4 $\pm$ 6		5 ASTON	87	LASS $11 K^- p \rightarrow \bar{K}^0 \pi^+ \pi^- n$	
1433 $\pm$ 6 $\pm$ 10		5 ASTON	84B	LASS $11 K^- p \rightarrow \bar{K}^0 \pi^- n$	
1471 $\pm$ 12		5 BAUBILLIER	82B	HBC $8.25 K^- p \rightarrow N K_S^0 \pi \pi$	
1428 $\pm$ 3		5 ASTON	81C	LASS $11 K^- p \rightarrow K^- \pi^+ n$	
1434 $\pm$ 2		5 ESTABROOKS	78	ASPK $13 K^\pm p \rightarrow p K \pi$	
1440 $\pm$ 10		5 BOWLER	77	DBC $5.5 K^+ d \rightarrow K \pi pp$	
<b>• • • We do not use the following data for averages, fits, limits, etc. • • •</b>					
1428.5 $\pm$ 3.9	$1786 \pm 127$	<sup>6</sup> AUBERT	07AK BABR	$10.6 e^+ e^- \rightarrow K^{*0} K^\pm \pi^\mp \gamma$	
1420 $\pm$ 7	300	HENDRICK	76	DBC $8.25 K^+ N \rightarrow K^+ \pi N$	
1421.6 $\pm$ 4.2	800	MCCUBBIN	75	HBC $3.6 K^- p \rightarrow K^- \pi^+ n$	
1420.1 $\pm$ 4.3		<sup>7</sup> LINGLIN	73	HBC $2-13 K^+ p \rightarrow K^+ \pi^- X$	
1419.1 $\pm$ 3.7	1800	AGUILAR...	71B	HBC $3.9, 4.6 K^- p$	
1416 $\pm$ 6	600	CORDS	71	DBC $9 K^+ n \rightarrow K^+ \pi^- p$	
1421.1 $\pm$ 2.6	2200	DAVIS	69	HBC $12 K^+ p \rightarrow K^+ \pi^- X$	

<sup>1</sup> Errors enlarged by us to  $\Gamma/\sqrt{N}$ ; see the note with the  $K^*(892)$  mass.<sup>2</sup> Number of events in peak re-evaluated by us.<sup>3</sup> Systematic error added by us.<sup>4</sup> From a partial wave amplitude analysis.<sup>5</sup> From phase shift or partial-wave analysis.<sup>6</sup> Systematic errors not estimated.<sup>7</sup> From pole extrapolation, using world  $K^+ p$  data summary tape.

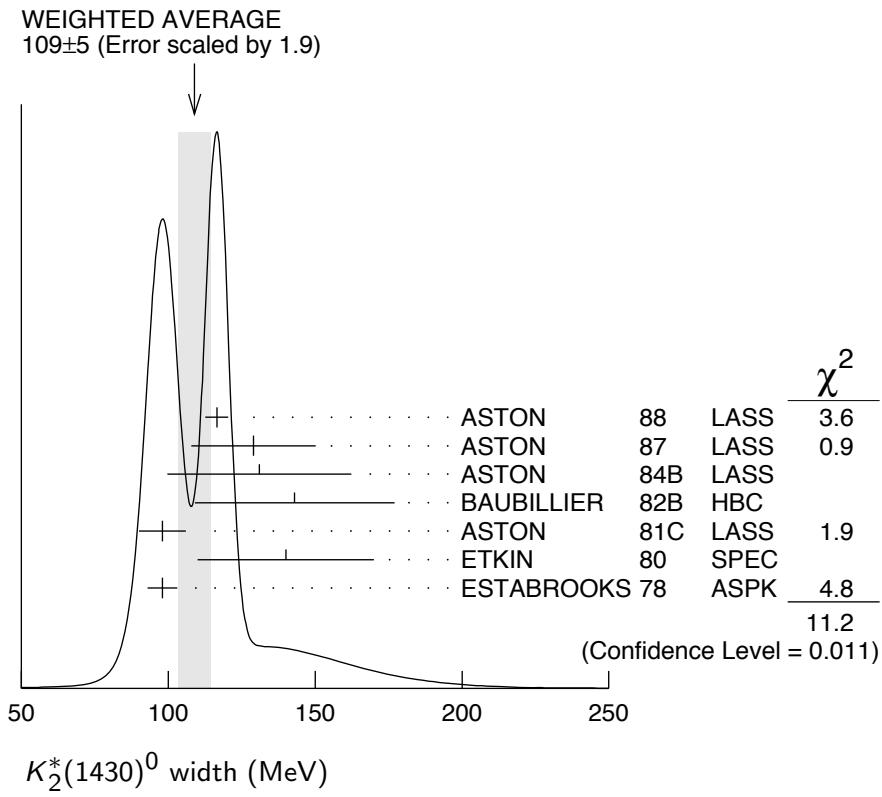
## $K_2^*(1430)$ WIDTH

### CHARGED ONLY, WITH FINAL STATE $K\pi$

VALUE (MeV)	EVTS	DOCUMENT ID	TECN	CHG	COMMENT
<b>98.5 ± 2.7 OUR FIT</b>	Error includes scale factor of 1.1.				
<b>98.5 ± 2.9 OUR AVERAGE</b>	Error includes scale factor of 1.1.				
109 ± 22	400	8,9 CLELAND	82	SPEC +	$30 K^+ p \rightarrow K_S^0 \pi^+ p$
124 ± 12.8	1500	8,9 CLELAND	82	SPEC +	$50 K^+ p \rightarrow K_S^0 \pi^+ p$
113 ± 12.8	1200	8,9 CLELAND	82	SPEC -	$50 K^+ p \rightarrow K_S^0 \pi^- p$
85 ± 16	935	TOAFF	81	HBC -	$6.5 K^- p \rightarrow \bar{K}^0 \pi^- p$
96.5 ± 3.8		MARTIN	78	SPEC +	$10 K^\pm p \rightarrow K_S^0 \pi p$
97.7 ± 4.0		MARTIN	78	SPEC -	$10 K^\pm p \rightarrow K_S^0 \pi p$
94.7 ± 15.1	1400	AGUILAR-...	71B	HBC -	3.9,4.6 $K^- p$
• • • We do not use the following data for averages, fits, limits, etc. • • •					
98 ± 4 ± 4	$24809 \pm 820$	BIRD	89	LASS -	$11 K^- p \rightarrow \bar{K}^0 \pi^- p$

### NEUTRAL ONLY

VALUE (MeV)	EVTS	DOCUMENT ID	TECN	COMMENT
<b>109 ± 5 OUR AVERAGE</b>	Error includes scale factor of 1.9. See the ideogram below.			
116.5 ± 3.6 ± 1.7	11 ASTON	88 LASS	11	$K^- p \rightarrow K^- \pi^+ n$
129 ± 15 ± 15	11 ASTON	87 LASS	11	$K^- p \rightarrow \bar{K}^0 \pi^+ \pi^- n$
131 ± 24 ± 20	11 ASTON	84B LASS	11	$K^- p \rightarrow \bar{K}^0 2\pi n$
143 ± 34	11 BAUBILLIER	82B HBC	8.25	$K^- p \rightarrow N K_S^0 \pi \pi$
98 ± 8	11 ASTON	81C LASS	11	$K^- p \rightarrow K^- \pi^+ n$
140 ± 30	11 ETKIN	80 SPEC	6	$K^- p \rightarrow \bar{K}^0 \pi^+ \pi^- n$
98 ± 5	11 ESTABROOKS	78 ASPK	13	$K^\pm p \rightarrow p K\pi$
• • • We do not use the following data for averages, fits, limits, etc. • • •				
113.7 ± 9.2	$1786 \pm 127$	12 AUBERT	07AK BABR	$10.6 e^+ e^- \rightarrow K^{*0} K^\pm \pi^\mp \gamma$
125 ± 29	300	8 HENDRICK	76 DBC	$8.25 K^+ N \rightarrow K^+ \pi^- N$
116 ± 18	800	MCCUBBIN	75 HBC	$3.6 K^- p \rightarrow K^- \pi^+ n$
61 ± 14	13 LINGLIN	73 HBC	2-13	$K^+ p \rightarrow K^+ \pi^- X$
116.6 ± 10.3	1800	AGUILAR-...	71B	3.9,4.6 $K^- p$
144 ± 24.0	600	8 CORDS	71 DBC	$9 K^+ n \rightarrow K^+ \pi^- p$
101 ± 10	2200	DAVIS	69 HBC	$12 K^+ p \rightarrow K^+ \pi^- \pi^+ p$



<sup>8</sup> Errors enlarged by us to  $4\Gamma/\sqrt{N}$ ; see the note with the  $K^*(892)$  mass.

<sup>9</sup> Number of events in peak re-evaluated by us.

<sup>10</sup> From a partial wave amplitude analysis.

<sup>11</sup> From phase shift or partial-wave analysis.

<sup>12</sup> Systematic errors not estimated.

<sup>13</sup> From pole extrapolation, using world  $K^+ p$  data summary tape.

## $K_2^*(1430)$ DECAY MODES

Mode	Fraction ( $\Gamma_i/\Gamma$ )	Scale factor/ Confidence level
$\Gamma_1 K\pi$	(49.9 $\pm$ 1.2) %	
$\Gamma_2 K^*(892)\pi$	(24.7 $\pm$ 1.5) %	
$\Gamma_3 K^*(892)\pi\pi$	(13.4 $\pm$ 2.2) %	
$\Gamma_4 K\rho$	( 8.7 $\pm$ 0.8) %	S=1.2
$\Gamma_5 K\omega$	( 2.9 $\pm$ 0.8) %	
$\Gamma_6 K^+\gamma$	( 2.4 $\pm$ 0.5) $\times 10^{-3}$	S=1.1
$\Gamma_7 K\eta$	( 1.5 $^{+3.4}_{-1.0} ) \times 10^{-3}$	S=1.3
$\Gamma_8 K\omega\pi$	< 7.2 $\times 10^{-4}$	CL=95%
$\Gamma_9 K^0\gamma$	< 9 $\times 10^{-4}$	CL=90%

## CONSTRAINED FIT INFORMATION

An overall fit to the total width, a partial width, and 10 branching ratios uses 31 measurements and one constraint to determine 8 parameters. The overall fit has a  $\chi^2 = 20.2$  for 24 degrees of freedom.

The following *off-diagonal* array elements are the correlation coefficients  $\langle \delta p_i \delta p_j \rangle / (\delta p_i \cdot \delta p_j)$ , in percent, from the fit to parameters  $p_i$ , including the branching fractions,  $x_i \equiv \Gamma_i / \Gamma_{\text{total}}$ . The fit constrains the  $x_i$  whose labels appear in this array to sum to one.

$x_2$	-9							
$x_3$	-40 -73							
$x_4$	-8 36 -52							
$x_5$	-11 -3 -26 -7							
$x_6$	-1 -1 -1 -1 0							
$x_7$	-4 -7 -5 -5 -2 0							
$\Gamma$	0 0 0 0 0 -13 0	$x_1$	$x_2$	$x_3$	$x_4$	$x_5$	$x_6$	$x_7$

Mode	Rate (MeV)	Scale factor
$\Gamma_1 K\pi$	$49.1 \pm 1.8$	
$\Gamma_2 K^*(892)\pi$	$24.3 \pm 1.6$	
$\Gamma_3 K^*(892)\pi\pi$	$13.2 \pm 2.2$	
$\Gamma_4 K\rho$	$8.5 \pm 0.8$	1.2
$\Gamma_5 K\omega$	$2.9 \pm 0.8$	
$\Gamma_6 K^+\gamma$	$0.24 \pm 0.05$	1.1
$\Gamma_7 K\eta$	$0.15^{+0.33}_{-0.10}$	1.3

### $K_2^*(1430)$ PARTIAL WIDTHS

$\Gamma(K^+\gamma)$	$\Gamma_6$
<u>VALUE (keV)</u>	<u>DOCUMENT ID</u> <u>TECN</u> <u>CHG</u> <u>COMMENT</u>
<b><math>241 \pm 50</math> OUR FIT</b>	Error includes scale factor of 1.1.
<b><math>240 \pm 45</math></b>	CIHANGIR    82    SPEC    + $200 K^+ Z \rightarrow Z K^+ \pi^0, Z K_S^0 \pi^+$

$\Gamma(K^0\gamma)$	$\Gamma_9$
<u>VALUE (keV)</u>	<u>CL%</u> <u>DOCUMENT ID</u> <u>TECN</u> <u>CHG</u> <u>COMMENT</u>
<b>&lt; 5.4</b>	90    ALAVI-HARATI02B    KTEV $K + A \rightarrow K^* + A$
<b>• • •</b> We do not use the following data for averages, fits, limits, etc. <b>• • •</b>	
<84	90    CARLSMITH    87    SPEC    0 $60-200 K_L^0 A \rightarrow K_S^0 \pi^0 A$

**$K_2^*(1430)$  BRANCHING RATIOS** **$\Gamma(K\pi)/\Gamma_{\text{total}}$** 

VALUE	DOCUMENT ID	TECN	CHG	COMMENT	$\Gamma_1/\Gamma$
<b><math>0.499 \pm 0.012</math> OUR FIT</b>					
<b><math>0.488 \pm 0.014</math> OUR AVERAGE</b>					
0.485 $\pm 0.006 \pm 0.020$	<sup>14</sup> ASTON 88	LASS	0	$11 K^- p \rightarrow K^- \pi^+ n$	
0.49 $\pm 0.02$	<sup>14</sup> ESTABROOKS 78	ASPK	$\pm$	$13 K^\pm p \rightarrow p K\pi$	

 **$\Gamma(K^*(892)\pi)/\Gamma(K\pi)$** 

VALUE	DOCUMENT ID	TECN	CHG	COMMENT	$\Gamma_2/\Gamma_1$
<b><math>0.496 \pm 0.034</math> OUR FIT</b>					
<b><math>0.47 \pm 0.04</math> OUR AVERAGE</b>					
0.44 $\pm 0.09$	ASTON 84B	LASS	0	$11 K^- p \rightarrow \bar{K}^0 2\pi n$	
0.62 $\pm 0.19$	LAUSCHER 75	HBC	0	$10,16 K^- p \rightarrow K^- \pi^+ n$	
0.54 $\pm 0.16$	DEHM 74	DBC	0	$4.6 K^+ N$	
0.47 $\pm 0.08$	AGUILAR-...	71B	HBC	$3.9,4.6 K^- p$	
0.47 $\pm 0.10$	BASSANO 67	HBC	$-0$	$4.6,5.0 K^- p$	
0.45 $\pm 0.13$	BADIER 65C	HBC	$-$	$3 K^- p$	

 **$\Gamma(K\omega)/\Gamma(K\pi)$** 

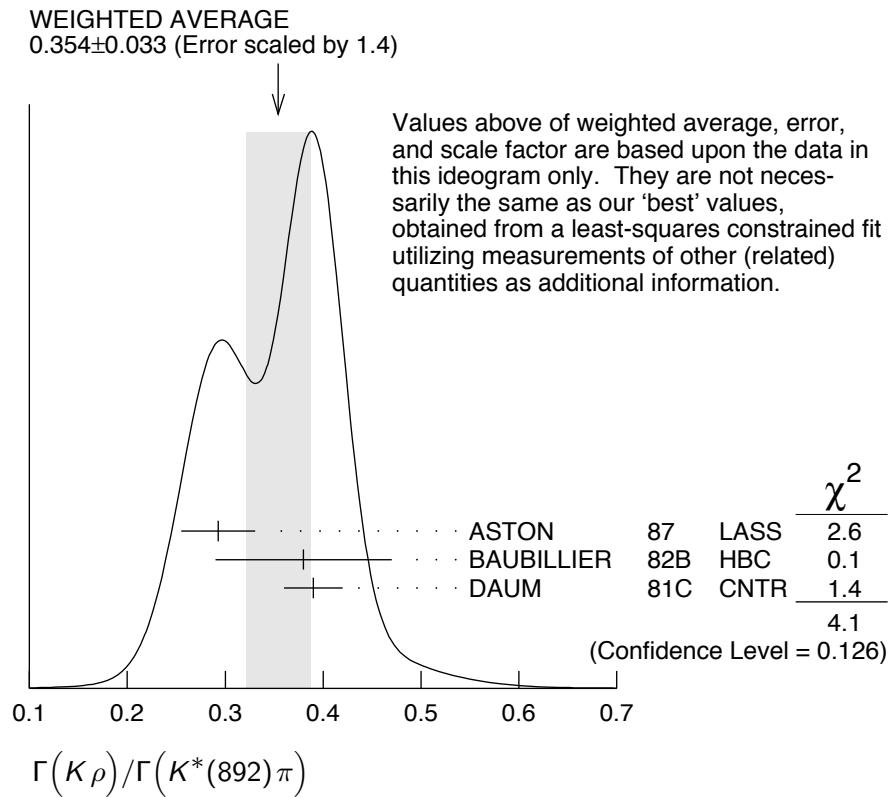
VALUE	DOCUMENT ID	TECN	CHG	COMMENT	$\Gamma_5/\Gamma_1$
<b><math>0.059 \pm 0.017</math> OUR FIT</b>					
<b><math>0.070 \pm 0.035</math> OUR AVERAGE</b>					
0.05 $\pm 0.04$	AGUILAR-... 71B	HBC		$3.9,4.6 K^- p$	
0.13 $\pm 0.07$	BASSOMPIE... 69	HBC	0	$5 K^+ p$	

 **$\Gamma(K\rho)/\Gamma(K\pi)$** 

VALUE	DOCUMENT ID	TECN	CHG	COMMENT	$\Gamma_4/\Gamma_1$
<b><math>0.174 \pm 0.017</math> OUR FIT</b>					
Error includes scale factor of 1.2.					
<b><math>0.150^{+0.029}_{-0.017}</math> OUR AVERAGE</b>					
0.18 $\pm 0.05$	ASTON 84B	LASS	0	$11 K^- p \rightarrow \bar{K}^0 2\pi n$	
0.02 $^{+0.10}_{-0.02}$	DEHM 74	DBC	0	$4.6 K^+ N$	
0.16 $\pm 0.05$	AGUILAR-... 71B	HBC		$3.9,4.6 K^- p$	
0.14 $\pm 0.10$	BASSANO 67	HBC	$-0$	$4.6,5.0 K^- p$	
0.14 $\pm 0.07$	BADIER 65C	HBC	$-$	$3 K^- p$	

 **$\Gamma(K\rho)/\Gamma(K^*(892)\pi)$** 

VALUE	DOCUMENT ID	TECN	CHG	COMMENT	$\Gamma_4/\Gamma_2$
<b><math>0.350 \pm 0.031</math> OUR FIT</b>					
Error includes scale factor of 1.4.					
<b><math>0.354 \pm 0.033</math> OUR AVERAGE</b>					
Error includes scale factor of 1.4. See the ideogram below.					
0.293 $\pm 0.032 \pm 0.020$	ASTON 87	LASS	0	$11 K^- p \rightarrow \bar{K}^0 \pi^+ \pi^- n$	
0.38 $\pm 0.09$	BAUBILLIER 82B	HBC	0	$8.25 K^- p \rightarrow N K_S^0 \pi\pi$	
0.39 $\pm 0.03$	DAUM 81C	CNTR		$63 K^- p \rightarrow K^- 2\pi p$	



### $\Gamma(K\omega)/\Gamma(K^*(892)\pi)$

VALUE	DOCUMENT ID	TECN	CHG	COMMENT
<b>0.118±0.034 OUR FIT</b>				
<b>0.10 ±0.04</b>	FIELD	67	HBC	—     3.8 $K^- p$

$\Gamma_5/\Gamma_2$

### $\Gamma(K\eta)/\Gamma(K^*(892)\pi)$

VALUE	DOCUMENT ID	TECN	CHG	COMMENT
<b>0.006<sup>+0.014</sup><sub>-0.004</sub> OUR FIT</b>				Error includes scale factor of 1.2.
<b>0.07 ±0.04</b>	FIELD	67	HBC	—     3.8 $K^- p$

$\Gamma_7/\Gamma_2$

### $\Gamma(K\eta)/\Gamma(K\pi)$

VALUE	CL%	DOCUMENT ID	TECN	CHG	COMMENT
<b>0.0030<sup>+0.0070</sup><sub>-0.0020</sub> OUR FIT</b>					Error includes scale factor of 1.3.
<b>0 ±0.0056</b>	15	ASTON	88B	LASS	—     11 $K^- p \rightarrow K^- \eta p$

$\Gamma_7/\Gamma_1$

<0.04	95	AGUILAR...	71B	HBC	3.9,4.6 $K^- p$
<0.065	16	BASSOMPIE...	69	HBC	5.0 $K^+ p$
<0.02		BISHOP	69	HBC	3.5 $K^+ p$

### $\Gamma(K^*(892)\pi\pi)/\Gamma_{\text{total}}$

VALUE	DOCUMENT ID	TECN	CHG	COMMENT	
<b>0.134±0.022 OUR FIT</b>					
<b>0.12 ±0.04</b>	17	GOLDBERG	76	HBC	—     3 $K^- p \rightarrow p\bar{K}^0\pi\pi\pi$

$\Gamma_3/\Gamma$

$\Gamma(K^*(892)\pi\pi)/\Gamma(K\pi)$  $\Gamma_3/\Gamma_1$ 

VALUE	DOCUMENT ID	TECN	CHG	COMMENT
<b>0.27±0.05 OUR FIT</b>				
<b>0.21±0.08</b>	16,17 JONGEJANS 78 HBC —			$4 K^- p \rightarrow p\bar{K}^0 \pi\pi\pi$

 $\Gamma(K\omega\pi)/\Gamma_{\text{total}}$  $\Gamma_8/\Gamma$ 

VALUE (units $10^{-3}$ )	CL%	EVTS	DOCUMENT ID	TECN	COMMENT
<b>&lt;0.72</b>	95	0	JONGEJANS 78	HBC	$4 K^- p \rightarrow p\bar{K}^0 4\pi$

<sup>14</sup> From phase shift analysis.<sup>15</sup> ASTON 88B quote  $< 0.0092$  at CL=95%. We convert this to a central value and 1 sigma error in order to be able to use it in our constrained fit.<sup>16</sup> Restated by us.<sup>17</sup> Assuming  $\pi\pi$  system has isospin 1, which is supported by the data. **$K_2^*(1430)$  REFERENCES**

AUBERT	07AK	PR D76 012008	B. Aubert <i>et al.</i>	(BABAR Collab.)
ALAVI-HARATI	02B	PRL 89 072001	A. Alavi-Harati <i>et al.</i>	(FNAL KTeV Collab.)
BIRD	89	SLAC-332	P.F. Bird	(SLAC)
ASTON	88	NP B296 493	D. Aston <i>et al.</i>	(SLAC, NAGO, CINC, INUS)
ASTON	88B	PL B201 169	D. Aston <i>et al.</i>	(SLAC, NAGO, CINC, INUS)
ASTON	87	NP B292 693	D. Aston <i>et al.</i>	(SLAC, NAGO, CINC, INUS)
CARLSMITH	87	PR D36 3502	D. Carlsmith <i>et al.</i>	(EFI, SACL)
ASTON	84B	NP B247 261	D. Aston <i>et al.</i>	(SLAC, CARL, OTTA)
BAUBILLIER	84B	ZPHY C26 37	M. Baubillier <i>et al.</i>	(BIRM, CERN, GLAS+)
BAUBILLIER	82B	NP B202 21	M. Baubillier <i>et al.</i>	(BIRM, CERN, GLAS+)
CIHANGIR	82	PL 117B 123	S. Cihangir <i>et al.</i>	(FNAL, MINN, ROCH)
CLELAND	82	NP B208 189	W.E. Cleland <i>et al.</i>	(DURH, GEVA, LAUS+)
ASTON	81C	PL 106B 235	D. Aston <i>et al.</i>	(SLAC, CARL, OTTA) JP
DAUM	81C	NP B187 1	C. Daum <i>et al.</i>	(AMST, CERN, CRAC, MPIM+)
TOAFF	81	PR D23 1500	S. Toaff <i>et al.</i>	(ANL, KANS)
ETKIN	80	PR D22 42	A. Etkin <i>et al.</i>	(BNL, CUNY) JP
ESTABROOKS	78	NP B133 490	P.G. Estabrooks <i>et al.</i>	(MCGI, CARL, DURH+)
Also		PR D17 658	P.G. Estabrooks <i>et al.</i>	(MCGI, CARL, DURH+)
JONGEJANS	78	NP B139 383	B. Jongejans <i>et al.</i>	(ZEEM, CERN, NIJM+)
MARTIN	78	NP B134 392	A.D. Martin <i>et al.</i>	(DURH, GEVA)
BOWLER	77	NP B126 31	M.G. Bowler <i>et al.</i>	(OXF)
GOLDBERG	76	LNC 17 253	J. Goldberg	(HAIF)
HENDRICK	76	NP B112 189	K. Hendrickx <i>et al.</i>	(MONS, SACL, PARIS+)
LAUSCHER	75	NP B86 189	P. Lauscher <i>et al.</i>	(ABCLV Collab.) JP
MCCUBBIN	75	NP B86 13	N.A. McCubbin, L. Lyons	(OXF)
DEHM	74	NP B75 47	G. Dehm <i>et al.</i>	(MPIM, BRUX, MONS, CERN)
LINGLIN	73	NP B55 408	D. Linglin	(CERN)
AGUILAR-...	71B	PR D4 2583	M. Aguilar-Benitez, R.L. Eisner, J.B. Kinson	(BNL)
BARNHAM	71C	NP B28 171	K.W.J. Barnham <i>et al.</i>	(BIRM, GLAS)
CORDS	71	PR D4 1974	D. Cords <i>et al.</i>	(PURD, UCD, IUPU)
BASSOMPIE...	69	NP B13 189	G. Bassompierre <i>et al.</i>	(CERN, BRUX) JP
BISHOP	69	NP B9 403	J.M. Bishop <i>et al.</i>	(WISC)
CRENNELL	69D	PRL 22 487	D.J. Crennell <i>et al.</i>	(BNL)
DAVIS	69	PRL 23 1071	P.J. Davis <i>et al.</i>	(LRL)
LIND	69	NP B14 1	V.G. Lind <i>et al.</i>	(LRL) JP
SCHWEINGR...	68	PR 166 1317	F. Schweingruber <i>et al.</i>	(ANL, NWES)
Also		Thesis	F.L. Schweingruber	(NWES, NWES)
BASSANO	67	PRL 19 968	D. Bassano <i>et al.</i>	(BNL, SYRA)
FIELD	67	PL 24B 638	J.H. Field <i>et al.</i>	(UCSD)
BADIER	65C	PL 19 612	J. Badier <i>et al.</i>	(EPOL, SACL, AMST)