

$K_2^*(1430)$

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

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

$K_2^*(1430)$ T-MATRIX POLE \sqrt{s}

| VALUE (MeV) | DOCUMENT ID | TECN | COMMENT |
|---|---------------------|---------|---------------------------|
| ● ● ● We do not use the following data for averages, fits, limits, etc. ● ● ● | | | |
| $(1424 \pm 4) - i(66 \pm 2)$ | ¹ PELAEZ | 17 RVUE | $\pi K \rightarrow \pi K$ |
| ¹ Reanalysis of ESTABROOKS 78 and ASTON 88 satisfying Forward Dispersion Relations and using sequences of Pade approximants. | | | |

$K_2^*(1430)$ MASS

CHARGED ONLY, WITH FINAL STATE $K\pi$

| VALUE (MeV) | EVTS | DOCUMENT ID | TECN | CHG | COMMENT |
|---|-----------------|--------------------------|----------|-----|---|
| 1427.3 ± 1.5 OUR AVERAGE Error includes scale factor of 1.3. See the ideogram below. | | | | | |
| $1432.7 \pm 0.7_{-2.3}^{+2.2}$ | 183k | ABLIKIM | 19AQ BES | ± | $J/\psi \rightarrow K^+ K^- \pi^0$ |
| 1420 ± 4 | 1587 | BAUBILLIER | 84B HBC | - | $8.25 K^- p \rightarrow \bar{K}^0 \pi^- p$ |
| 1436 ± 5.5 | 400 | ^{1,2} CLELAND | 82 SPEC | + | $30 K^+ p \rightarrow K_S^0 \pi^+ p$ |
| 1430 ± 3.2 | 1500 | ^{1,2} CLELAND | 82 SPEC | + | $50 K^+ p \rightarrow K_S^0 \pi^+ p$ |
| 1430 ± 3.2 | 1200 | ^{1,2} CLELAND | 82 SPEC | - | $50 K^+ p \rightarrow K_S^0 \pi^- p$ |
| 1423 ± 5 | 935 | TOAFF | 81 HBC | - | $6.5 K^- p \rightarrow \bar{K}^0 \pi^- p$ |
| 1428.0 ± 4.6 | | ³ MARTIN | 78 SPEC | + | $10 K^\pm p \rightarrow K_S^0 \pi p$ |
| 1423.8 ± 4.6 | | ³ MARTIN | 78 SPEC | - | $10 K^\pm p \rightarrow K_S^0 \pi p$ |
| 1420.0 ± 3.1 | 1400 | AGUILAR-... | 71B HBC | - | $3.9, 4.6 K^- p$ |
| 1425 ± 8.0 | 225 | ^{1,2} BARNHAM | 71C HBC | + | $K^+ p \rightarrow K^0 \pi^+ p$ |
| 1416 ± 10 | 220 | CRENNELL | 69D DBC | - | $3.9 K^- N \rightarrow \bar{K}^0 \pi^- N$ |
| 1414 ± 13.0 | 60 | ¹ LIND | 69 HBC | + | $9 K^+ p \rightarrow K^0 \pi^+ p$ |
| 1427 ± 12 | 63 | ¹ SCHWEING... | 68 HBC | - | $5.5 K^- p \rightarrow \bar{K} \pi N$ |
| 1423 ± 11.0 | 39 | ¹ BASSANO | 67 HBC | - | $4.6-5.0 K^- p \rightarrow \bar{K}^0 \pi^- p$ |
| ● ● ● We do not use the following data for averages, fits, limits, etc. ● ● ● | | | | | |
| 1428 ± 2 | 4300 | ⁴ ABLIKIM | 22L BES3 | | $2.0-3.08 e^+ e^- \rightarrow K^+ K^- \pi^0$ |
| $1423.4 \pm 2 \pm 3$ | 24809 ± 820 | ⁵ BIRD | 89 LASS | - | $11 K^- p \rightarrow \bar{K}^0 \pi^- p$ |

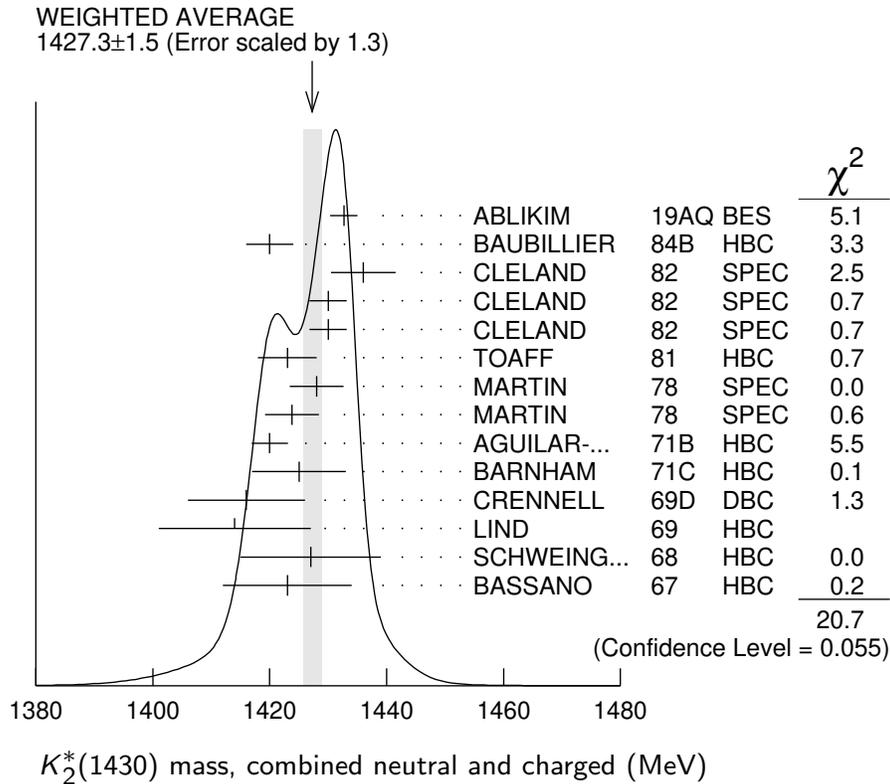
¹ Errors enlarged by us to Γ/\sqrt{N} ; see the note with the $K^*(892)$ mass.

² Number of events in peak re-evaluated by us.

³ Systematic error added by us.

⁴ From a partial wave amplitude analysis at $\sqrt{s} = 2.125$ GeV which includes all the possible intermediate states that match J^{PC} conservation in the subsequent two-body decay. The intermediate states are parameterized with the relativistic Breit-Wigner functions. Statistical error only.

⁵ From a partial wave amplitude analysis.



NEUTRAL ONLY

| VALUE (MeV) | EVTS | DOCUMENT ID | TECN | COMMENT |
|---|------------|-----------------------------|------|--|
| 1432.4 ± 1.3 | | | | OUR AVERAGE |
| 1431.2 ± 1.8 ± 0.7 | | ¹ ASTON 88 | LASS | 11 $K^- p \rightarrow K^- \pi^+ n$ |
| 1434 ± 4 ± 6 | | ¹ ASTON 87 | LASS | 11 $K^- p \rightarrow \bar{K}^0 \pi^+ \pi^- n$ |
| 1433 ± 6 ± 10 | | ¹ ASTON 84B | LASS | 11 $K^- p \rightarrow \bar{K}^0 2\pi n$ |
| 1471 ± 12 | | ¹ BAUBILLIER 82B | HBC | 8.25 $K^- p \rightarrow N K_S^0 \pi \pi$ |
| 1428 ± 3 | | ¹ ASTON 81C | LASS | 11 $K^- p \rightarrow K^- \pi^+ n$ |
| 1434 ± 2 | | ¹ ESTABROOKS 78 | ASPK | 13 $K^\pm p \rightarrow p K \pi$ |
| 1440 ± 10 | | ¹ BOWLER 77 | DBC | 5.5 $K^+ d \rightarrow K \pi p p$ |
| ● ● ● We do not use the following data for averages, fits, limits, etc. ● ● ● | | | | |
| 1428.5 ± 3.9 | 1786 ± 127 | ² AUBERT 07AK | BABR | 10.6 $e^+ e^- \rightarrow K^{*0} K^\pm \pi^\mp \gamma$ |
| 1420 ± 7 | 300 | HENDRICK 76 | DBC | 8.25 $K^+ N \rightarrow K^+ \pi N$ |
| 1421.6 ± 4.2 | 800 | MCCUBBIN 75 | HBC | 3.6 $K^- p \rightarrow K^- \pi^+ n$ |
| 1420.1 ± 4.3 | | ³ LINGLIN 73 | HBC | 2-13 $K^+ p \rightarrow K^+ \pi^- X$ |
| 1419.1 ± 3.7 | 1800 | AGUILAR-... 71B | HBC | 3.9,4.6 $K^- p$ |
| 1416 ± 6 | 600 | CORDS 71 | DBC | 9 $K^+ n \rightarrow K^+ \pi^- p$ |
| 1421.1 ± 2.6 | 2200 | DAVIS 69 | HBC | 12 $K^+ p \rightarrow K^+ \pi^- X$ |

¹ From phase shift or partial-wave analysis.

² Systematic errors not estimated.

³ 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 |
|---|--|------------------------|------|------|---|
| 100.0 ± 2.1 | OUR FIT | | | | |
| 100.0 ± 2.2 | OUR AVERAGE Error includes scale factor of 1.1. | | | | |
| 102.5 ± 1.6 ^{+3.1} _{-2.8} | 183k | ABLIKIM | 19AQ | BES | ± $J/\psi \rightarrow K^+ K^- \pi^0$ |
| 109 ± 22 | 400 | ^{1,2} CLELAND | 82 | SPEC | + 30 $K^+ p \rightarrow K_S^0 \pi^+ p$ |
| 124 ± 12.8 | 1500 | ^{1,2} CLELAND | 82 | SPEC | + 50 $K^+ p \rightarrow K_S^0 \pi^+ p$ |
| 113 ± 12.8 | 1200 | ^{1,2} 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} _{-12.5} | 1400 | AGUILAR-... | 71B | HBC | - 3.9,4.6 $K^- p$ |

• • • We do not use the following data for averages, fits, limits, etc. • • •

| | | | | | |
|------------|------|----------------------|-----|------|--|
| 107 ± 4 | 4300 | ³ ABLIKIM | 22L | BES3 | 2.0-3.08 $e^+ e^- \rightarrow K^+ K^- \pi^0$ |
| 98 ± 4 ± 4 | 25k | ⁴ BIRD | 89 | LASS | - 11 $K^- p \rightarrow \bar{K}^0 \pi^- p$ |

¹ Errors enlarged by us to $4\Gamma/\sqrt{N}$; see the note with the $K^*(892)$ mass.

² Number of events in peak re-evaluated by us.

³ From a partial wave amplitude analysis at $\sqrt{s} = 2.125$ GeV which includes all the possible intermediate states that match J^{PC} conservation in the subsequent two-body decay. The intermediate states are parameterized with the relativistic Breit-Wigner functions. Statistical error only.

⁴ From a partial wave amplitude analysis.

NEUTRAL ONLY

| VALUE (MeV) | EVTS | DOCUMENT ID | TECN | COMMENT | |
|-------------------|--|-------------------------|------|---------|--|
| 109 ± 5 | OUR AVERAGE Error includes scale factor of 1.9. See the ideogram below. | | | | |
| 116.5 ± 3.6 ± 1.7 | | ¹ ASTON | 88 | LASS | 11 $K^- p \rightarrow K^- \pi^+ n$ |
| 129 ± 15 ± 15 | | ¹ ASTON | 87 | LASS | 11 $K^- p \rightarrow \bar{K}^0 \pi^+ \pi^- n$ |
| 131 ± 24 ± 20 | | ¹ ASTON | 84B | LASS | 11 $K^- p \rightarrow \bar{K}^0 2\pi n$ |
| 143 ± 34 | | ¹ BAUBILLIER | 82B | HBC | 8.25 $K^- p \rightarrow NK_S^0 \pi \pi$ |
| 98 ± 8 | | ¹ ASTON | 81C | LASS | 11 $K^- p \rightarrow K^- \pi^+ n$ |
| 140 ± 30 | | ¹ ETKIN | 80 | SPEC | 6 $K^- p \rightarrow \bar{K}^0 \pi^+ \pi^- n$ |
| 98 ± 5 | | ¹ ESTABROOKS | 78 | ASPK | 13 $K^\pm p \rightarrow pK\pi$ |

• • • We do not use the following data for averages, fits, limits, etc. • • •

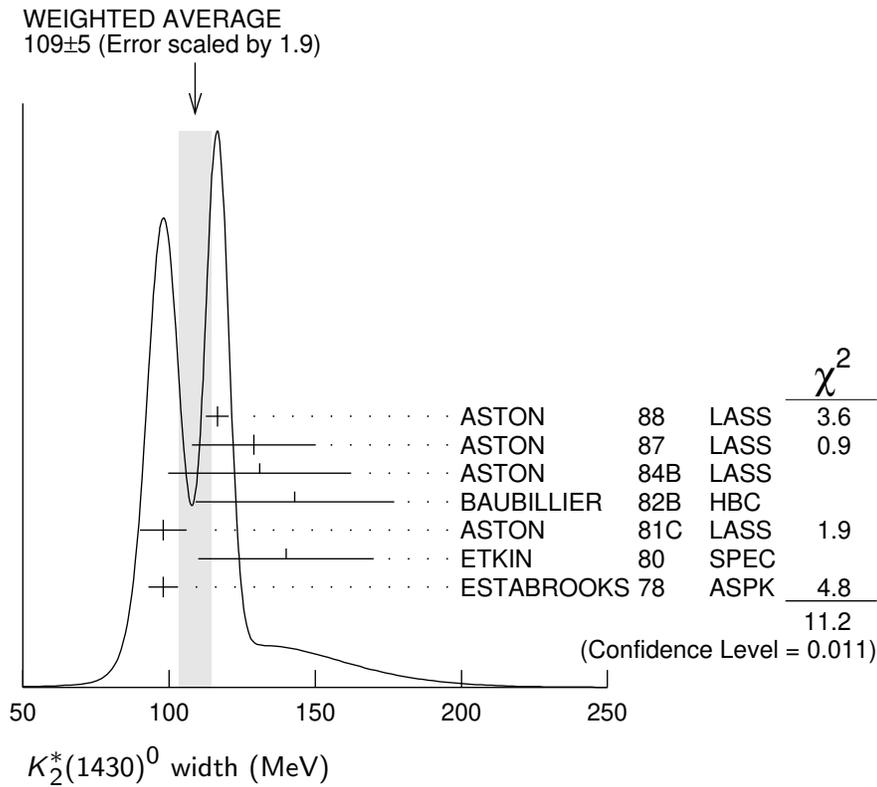
| | | | | | |
|---|------------|-----------------------|------|------|--|
| 113.7 ± 9.2 | 1786 ± 127 | ² AUBERT | 07AK | BABR | 10.6 $e^+ e^- \rightarrow K^{*0} K^\pm \pi^\mp \gamma$ |
| 125 ± 29 | 300 | ³ HENDRICK | 76 | DBC | 8.25 $K^+ N \rightarrow K^+ \pi N$ |
| 116 ± 18 | 800 | MCCUBBIN | 75 | HBC | 3.6 $K^- p \rightarrow K^- \pi^+ n$ |
| 61 ± 14 | | ⁴ LINGLIN | 73 | HBC | 2-13 $K^+ p \rightarrow K^+ \pi^- X$ |
| 116.6 ^{+10.3} _{-15.5} | 1800 | AGUILAR-... | 71B | HBC | 3.9,4.6 $K^- p$ |
| 144 ± 24.0 | 600 | ³ CORDS | 71 | DBC | 9 $K^+ n \rightarrow K^+ \pi^- p$ |
| 101 ± 10 | 2200 | DAVIS | 69 | HBC | 12 $K^+ p \rightarrow K^+ \pi^- \pi^+ p$ |

¹ From phase shift or partial-wave analysis.

² Systematic errors not estimated.

³ Errors enlarged by us to $4\Gamma/\sqrt{N}$; see the note with the $K^*(892)$ mass.

⁴ From pole extrapolation, using world $K^+ \rho$ data summary tape.



$K_2^*(1430)$ DECAY MODES

| Mode | Fraction (Γ_i/Γ) | Scale factor/ Confidence level |
|-----------------------------|--------------------------------------|-----------------------------------|
| Γ_1 $K\pi$ | $(49.9 \pm 1.2) \%$ | |
| Γ_2 $K^*(892)\pi$ | $(24.7 \pm 1.5) \%$ | |
| Γ_3 $K^*(892)\pi\pi$ | $(13.4 \pm 2.2) \%$ | |
| Γ_4 $K\rho$ | $(8.7 \pm 0.8) \%$ | S=1.2 |
| Γ_5 $K\omega$ | $(2.9 \pm 0.8) \%$ | |
| Γ_6 $K^+\gamma$ | $(2.4 \pm 0.5) \times 10^{-3}$ | S=1.1 |
| Γ_7 $K\eta$ | $(1.5^{+3.4}_{-1.0}) \times 10^{-3}$ | S=1.3 |
| Γ_8 $K\omega\pi$ | $< 7.2 \times 10^{-4}$ | CL=95% |
| Γ_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 32 measurements and one constraint to determine 8 parameters. The overall fit has a $\chi^2 = 21.1$ for 25 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 | |
| Γ | 0 | 0 | 0 | 0 | 0 | -10 | 0 |
| | x_1 | x_2 | x_3 | x_4 | x_5 | x_6 | x_7 |

| | Mode | Rate (MeV) | Scale factor |
|------------|------------------|------------------------|--------------|
| Γ_1 | $K\pi$ | 49.9 ± 1.6 | |
| Γ_2 | $K^*(892)\pi$ | 24.7 ± 1.6 | |
| Γ_3 | $K^*(892)\pi\pi$ | 13.5 ± 2.3 | |
| Γ_4 | $K\rho$ | 8.7 ± 0.8 | 1.2 |
| Γ_5 | $K\omega$ | 2.9 ± 0.8 | |
| Γ_6 | $K^+\gamma$ | 0.24 ± 0.05 | 1.1 |
| Γ_7 | $K\eta$ | $0.15^{+0.34}_{-0.10}$ | 1.3 |

$K_2^*(1430)$ PARTIAL WIDTHS

$\Gamma(K^+\gamma)$ Γ_6

| VALUE (keV) | DOCUMENT ID | TECN | CHG | COMMENT |
|--|-------------------------------------|------|------|--|
| 241 ± 50 OUR FIT | Error includes scale factor of 1.1. | | | |
| 240 ± 45 | CIHANGIR | 82 | SPEC | + |
| | | | | 200 $K^+ Z \rightarrow Z K^+ \pi^0$, $Z K_S^0 \pi^+$ |

$\Gamma(K^0\gamma)$ Γ_9

| VALUE (keV) | CL% | DOCUMENT ID | TECN | CHG | COMMENT |
|---|-----|-----------------|------|------|---|
| < 5.4 | 90 | ALAVI-HARATI02B | KTEV | | $K + A \rightarrow K^* + A$ |
| ● ● ● We do not use the following data for averages, fits, limits, etc. ● ● ● | | | | | |
| <84 | 90 | CARLSMITH | 87 | SPEC | 0 |
| | | | | | 60-200 $K_L^0 A \rightarrow$ $K_S^0 \pi^0 A$ |

$K_2^*(1430)$ BRANCHING RATIOS

$\Gamma(K\pi)/\Gamma_{\text{total}}$ Γ_1/Γ

| <u>VALUE</u> | <u>DOCUMENT ID</u> | <u>TECN</u> | <u>CHG</u> | <u>COMMENT</u> |
|--------------|--------------------|-------------|------------|----------------|
|--------------|--------------------|-------------|------------|----------------|

0.499±0.012 OUR FIT

0.488±0.014 OUR AVERAGE

| | | | | | |
|-------------------|-------------------------|----|------|---|------------------------------------|
| 0.485±0.006±0.020 | ¹ ASTON | 88 | LASS | 0 | 11 $K^- p \rightarrow K^- \pi^+ n$ |
| 0.49 ±0.02 | ¹ ESTABROOKS | 78 | ASPK | ± | 13 $K^\pm p \rightarrow p K \pi$ |

¹ From phase shift analysis.

$\Gamma(K^*(892)\pi)/\Gamma(K\pi)$ Γ_2/Γ_1

| <u>VALUE</u> | <u>DOCUMENT ID</u> | <u>TECN</u> | <u>CHG</u> | <u>COMMENT</u> |
|--------------|--------------------|-------------|------------|----------------|
|--------------|--------------------|-------------|------------|----------------|

0.496±0.034 OUR FIT

0.47 ±0.04 OUR AVERAGE

| | | | | | |
|------------|-------------|-----|------|----|---|
| 0.44 ±0.09 | ASTON | 84B | LASS | 0 | 11 $K^- p \rightarrow \bar{K}^0 2\pi n$ |
| 0.62 ±0.19 | LAUSCHER | 75 | HBC | 0 | 10,16 $K^- p \rightarrow K^- \pi^+ n$ |
| 0.54 ±0.16 | DEHM | 74 | DBC | 0 | 4.6 $K^+ N$ |
| 0.47 ±0.08 | AGUILAR-... | 71B | HBC | | 3.9,4.6 $K^- p$ |
| 0.47 ±0.10 | BASSANO | 67 | HBC | -0 | 4.6,5.0 $K^- p$ |
| 0.45 ±0.13 | BADIER | 65C | HBC | - | 3 $K^- p$ |

$\Gamma(K\omega)/\Gamma(K\pi)$ Γ_5/Γ_1

| <u>VALUE</u> | <u>DOCUMENT ID</u> | <u>TECN</u> | <u>CHG</u> | <u>COMMENT</u> |
|--------------|--------------------|-------------|------------|----------------|
|--------------|--------------------|-------------|------------|----------------|

0.059±0.017 OUR FIT

0.070±0.035 OUR AVERAGE

| | | | | | |
|------------|--------------|-----|-----|---|-----------------|
| 0.05 ±0.04 | AGUILAR-... | 71B | HBC | | 3.9,4.6 $K^- p$ |
| 0.13 ±0.07 | BASSOMPIE... | 69 | HBC | 0 | 5 $K^+ p$ |

$\Gamma(K\rho)/\Gamma(K\pi)$ Γ_4/Γ_1

| <u>VALUE</u> | <u>DOCUMENT ID</u> | <u>TECN</u> | <u>CHG</u> | <u>COMMENT</u> |
|--------------|--------------------|-------------|------------|----------------|
|--------------|--------------------|-------------|------------|----------------|

0.174±0.017 OUR FIT Error includes scale factor of 1.2.

0.150^{+0.029}_{-0.017} OUR AVERAGE

| | | | | | |
|--|-------------|-----|------|----|---|
| 0.18 ±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 ±0.05 | AGUILAR-... | 71B | HBC | | 3.9,4.6 $K^- p$ |
| 0.14 ±0.10 | BASSANO | 67 | HBC | -0 | 4.6,5.0 $K^- p$ |
| 0.14 ±0.07 | BADIER | 65C | HBC | - | 3 $K^- p$ |

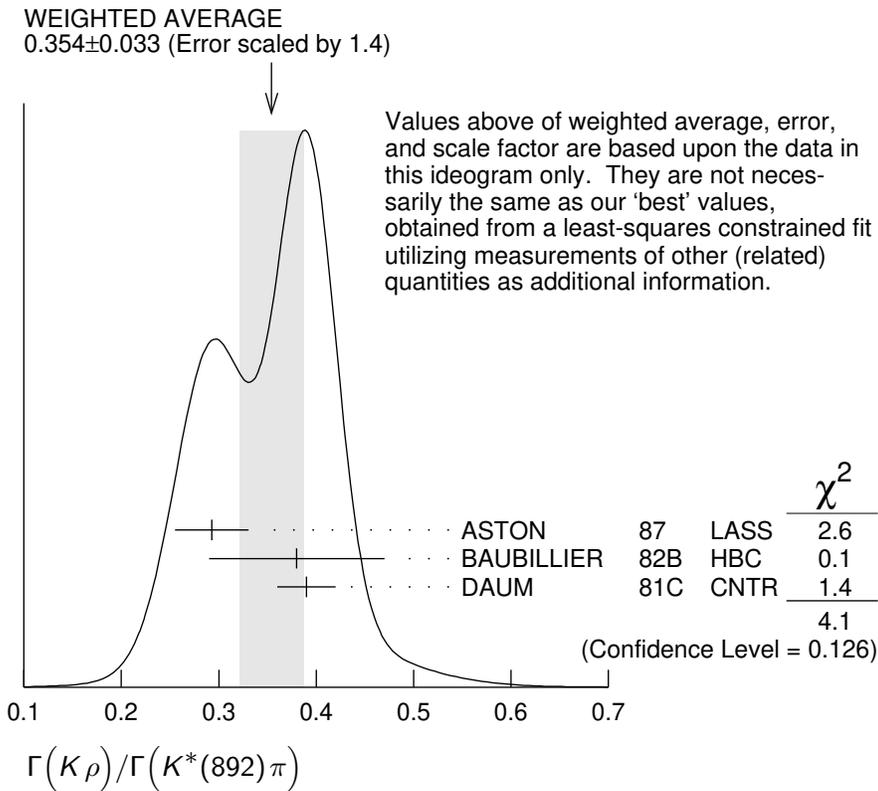
$\Gamma(K\rho)/\Gamma(K^*(892)\pi)$ Γ_4/Γ_2

| <u>VALUE</u> | <u>DOCUMENT ID</u> | <u>TECN</u> | <u>CHG</u> | <u>COMMENT</u> |
|--------------|--------------------|-------------|------------|----------------|
|--------------|--------------------|-------------|------------|----------------|

0.350±0.031 OUR FIT Error includes scale factor of 1.4.

0.354±0.033 OUR AVERAGE Error includes scale factor of 1.4. See the ideogram below.

| | | | | | |
|-------------------|------------|-----|------|---|--|
| 0.293±0.032±0.020 | ASTON | 87 | LASS | 0 | 11 $K^- p \rightarrow \bar{K}^0 \pi^+ \pi^- n$ |
| 0.38 ±0.09 | BAUBILLIER | 82B | HBC | 0 | 8.25 $K^- p \rightarrow NK_S^0 \pi \pi$ |
| 0.39 ±0.03 | DAUM | 81C | CNTR | | 63 $K^- p \rightarrow K^- 2\pi p$ |



$\Gamma(K\omega)/\Gamma(K^*(892)\pi)$ Γ_5/Γ_2

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

$\Gamma(K\eta)/\Gamma(K^*(892)\pi)$ Γ_7/Γ_2

| VALUE | DOCUMENT ID | TECN | CHG | COMMENT |
|--|-------------------------------------|------|-----|---------------|
| 0.006^{+0.014}_{-0.004} OUR FIT | Error includes scale factor of 1.2. | | | |
| 0.07 ±0.04 | FIELD | 67 | HBC | — 3.8 $K^- p$ |

$\Gamma(K\eta)/\Gamma(K\pi)$ Γ_7/Γ_1

| VALUE | CL% | DOCUMENT ID | TECN | CHG | COMMENT |
|---|-----|-------------------------------------|------|------|-------------------------------------|
| 0.0030^{+0.0070}_{-0.0020} OUR FIT | | Error includes scale factor of 1.3. | | | |
| 0 ±0.0056 | | ¹ ASTON | 88B | LASS | — 11 $K^- p \rightarrow K^- \eta p$ |
| ● ● ● We do not use the following data for averages, fits, limits, etc. ● ● ● | | | | | |
| <0.04 | 95 | AGUILAR-... | 71B | HBC | 3.9,4.6 $K^- p$ |
| <0.065 | | ² BASSOMPIE... | 69 | HBC | 5.0 $K^+ p$ |
| <0.02 | | BISHOP | 69 | HBC | 3.5 $K^+ p$ |

¹ 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.

² Restated by us.

$\Gamma(K^*(892)\pi\pi)/\Gamma_{\text{total}}$ Γ_3/Γ

VALUE DOCUMENT ID TECN CHG COMMENT

0.134 ± 0.022 OUR FIT

0.12 ± 0.04 ¹ GOLDBERG 76 HBC - 3 $K^- p \rightarrow p \bar{K}^0 \pi \pi$

¹ Assuming $\pi\pi$ system has isospin 1, which is supported by the data.

$\Gamma(K^*(892)\pi\pi)/\Gamma(K\pi)$ Γ_3/Γ_1

VALUE DOCUMENT ID TECN CHG COMMENT

0.27 ± 0.05 OUR FIT

0.21 ± 0.08 ^{1,2} JONGEJANS 78 HBC - 4 $K^- p \rightarrow p \bar{K}^0 \pi \pi$

¹ Restated by us.

² Assuming $\pi\pi$ system has isospin 1, which is supported by the data.

$\Gamma(K\omega\pi)/\Gamma_{\text{total}}$ Γ_8/Γ

VALUE (units 10⁻³) CL% EVTS DOCUMENT ID TECN COMMENT

<0.72 95 0 JONGEJANS 78 HBC 4 $K^- p \rightarrow p \bar{K}^0 4\pi$

$K_2^*(1430)$ REFERENCES

| | | | |
|------------------|----------------|--|---------------------------|
| ABLIKIM 22L | JHEP 2207 045 | M. Ablikim <i>et al.</i> | (BESIII Collab.) |
| ABLIKIM 19AQ | PR D100 032004 | M. Ablikim <i>et al.</i> | (BESIII Collab.) |
| PELAEZ 17 | EPJ C77 91 | J.R. Pelaez, A.Rodas, J.R. de Elvira | |
| 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, SAFL) |
| 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, SAFL, 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 |
| SCHWEING... 68 | PR 166 1317 | F. Schweingruber <i>et al.</i> | (ANL, NWES) |
| Also | Thesis | F.L. Schweingruber | (NWES, NWES) |
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| 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, SAFL, AMST) |