

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)	DOCUMENT ID	TECN	CHG	COMMENT
● ● ● 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	¹ BRANDENB...	76B	ASPK	± 13 $K^\pm p \rightarrow K^\pm 2\pi p$
¹ Coupled mainly to $K f_0(1370)$. Decay into $K^*(892)\pi$ seen.				

K(1460) WIDTH

VALUE (MeV)	DOCUMENT ID	TECN	CHG	COMMENT
● ● ● 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	² BRANDENB...	76B	ASPK	± 13 $K^\pm p \rightarrow K^\pm 2\pi p$
² Coupled mainly to $K f_0(1370)$. Decay into $K^*(892)\pi$ seen.				

K(1460) DECAY MODES

Mode	Fraction (Γ_i/Γ)
Γ_1 $K^*(892)\pi$	seen
Γ_2 $K\rho$	seen
Γ_3 $K_0^*(1430)\pi$	seen

K(1460) PARTIAL WIDTHS

$\Gamma(K^*(892)\pi)$	Γ_1												
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">VALUE (MeV)</th> <th style="text-align: left;">DOCUMENT ID</th> <th style="text-align: left;">TECN</th> <th style="text-align: left;">COMMENT</th> </tr> </thead> <tbody> <tr> <td colspan="4">● ● ● We do not use the following data for averages, fits, limits, etc. ● ● ●</td> </tr> <tr> <td>~ 109</td> <td>DAUM</td> <td>81C</td> <td>CNTR 63 $K^- p \rightarrow K^- 2\pi p$</td> </tr> </tbody> </table>		VALUE (MeV)	DOCUMENT ID	TECN	COMMENT	● ● ● We do not use the following data for averages, fits, limits, etc. ● ● ●				~ 109	DAUM	81C	CNTR 63 $K^- p \rightarrow K^- 2\pi p$
VALUE (MeV)	DOCUMENT ID	TECN	COMMENT										
● ● ● We do not use the following data for averages, fits, limits, etc. ● ● ●													
~ 109	DAUM	81C	CNTR 63 $K^- p \rightarrow K^- 2\pi p$										
$\Gamma(K\rho)$	Γ_2												
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">VALUE (MeV)</th> <th style="text-align: left;">DOCUMENT ID</th> <th style="text-align: left;">TECN</th> <th style="text-align: left;">COMMENT</th> </tr> </thead> <tbody> <tr> <td colspan="4">● ● ● We do not use the following data for averages, fits, limits, etc. ● ● ●</td> </tr> <tr> <td>~ 34</td> <td>DAUM</td> <td>81C</td> <td>CNTR 63 $K^- p \rightarrow K^- 2\pi p$</td> </tr> </tbody> </table>		VALUE (MeV)	DOCUMENT ID	TECN	COMMENT	● ● ● We do not use the following data for averages, fits, limits, etc. ● ● ●				~ 34	DAUM	81C	CNTR 63 $K^- p \rightarrow K^- 2\pi p$
VALUE (MeV)	DOCUMENT ID	TECN	COMMENT										
● ● ● We do not use the following data for averages, fits, limits, etc. ● ● ●													
~ 34	DAUM	81C	CNTR 63 $K^- p \rightarrow K^- 2\pi p$										
$\Gamma(K_0^*(1430)\pi)$	Γ_3												
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">VALUE (MeV)</th> <th style="text-align: left;">DOCUMENT ID</th> <th style="text-align: left;">TECN</th> <th style="text-align: left;">COMMENT</th> </tr> </thead> <tbody> <tr> <td colspan="4">● ● ● We do not use the following data for averages, fits, limits, etc. ● ● ●</td> </tr> <tr> <td>~ 117</td> <td>DAUM</td> <td>81C</td> <td>CNTR 63 $K^- p \rightarrow K^- 2\pi p$</td> </tr> </tbody> </table>		VALUE (MeV)	DOCUMENT ID	TECN	COMMENT	● ● ● We do not use the following data for averages, fits, limits, etc. ● ● ●				~ 117	DAUM	81C	CNTR 63 $K^- p \rightarrow K^- 2\pi p$
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

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+)
