

$f_0(1710)$ $I^G(J^{PC}) = 0^+(0^{++})$ See our mini-review in the 2004 edition of this *Review*, PDG 04. **$f_0(1710)$ MASS**

VALUE (MeV)	EVTS	DOCUMENT ID	TECN	COMMENT
1720 ± 6 OUR AVERAGE	Error includes scale factor of 1.6. See the ideogram below.			
1701 \pm 5	\pm 9 2	4k	¹ CHEKANOV 08	$e p \rightarrow K_S^0 K_S^0 X$
1765 \pm 3	\pm 13		ABLIKIM 06v	$e^+ e^- \rightarrow J/\psi \rightarrow \gamma \pi^+ \pi^-$
1760 \pm 15	\pm 15 \pm 10		² ABLIKIM 05Q	$\psi(2S) \rightarrow \gamma \pi^+ \pi^- K^+ K^-$
1738 \pm 30			ABLIKIM 04E	$J/\psi \rightarrow \omega K^+ K^-$
1740 \pm 4	\pm 10 \pm 25		³ BAI 03G	$J/\psi \rightarrow \gamma K\bar{K}$
1740	\pm 30 \pm 25		³ BAI 00A	$J/\psi \rightarrow \gamma(\pi^+ \pi^- \pi^+ \pi^-)$
1698 \pm 18			⁴ BARBERIS 00E	$450 \bar{p}p \rightarrow p_f \eta \eta p_s$
1710 \pm 12	\pm 11		⁵ BARBERIS 99D	$450 \bar{p}p \rightarrow K^+ K^-, \pi^+ \pi^-$
1710 \pm 25			⁶ FRENCH 99	$300 \bar{p}p \rightarrow p_f(K^+ K^-)p_s$
1707 \pm 10			⁷ AUGUSTIN 88	$J/\psi \rightarrow \gamma K^+ K^-, K_S^0 K_S^0 X$
1698 \pm 15			⁷ AUGUSTIN 87	$J/\psi \rightarrow \gamma \pi^+ \pi^-$
1720 \pm 10	\pm 10		⁸ BALTRUSAIT.. 87	$J/\psi \rightarrow \gamma K^+ K^-$
1742 \pm 15			⁷ WILLIAMS 84	$MPSF 200 \pi^- N \rightarrow 2K_S^0 X$
1670 \pm 50			BLOOM 83	$J/\psi \rightarrow \gamma 2\eta$
• • • We do not use the following data for averages, fits, limits, etc. • • •				
1750 \pm 13		AMSLER 06	CBAR	$1.64 \bar{p}p \rightarrow K^+ K^- \pi^0$
1747 \pm 5	80k	^{9,10} UMAN 06	E835	$5.2 \bar{p}p \rightarrow \eta \eta \pi^0$
1776 \pm 15		VLADIMIRSK... 06	SPEC	$40 \pi^- p \rightarrow K_S^0 K_S^0 n$
1790 \pm 40 \pm 30		² ABLIKIM 05	BES2	$J/\psi \rightarrow \phi \pi^+ \pi^-$
1670 \pm 20		⁹ BINON 05	GAMS	$33 \pi^- p \rightarrow \eta \eta n$
1726 \pm 7	74	¹⁰ CHEKANOV 04	ZEUS	$e p \rightarrow K_S^0 K_S^0 X$
1732 \pm 15		¹¹ ANISOVICH 03	RVUE	
1682 \pm 16		TIKHOMIROV 03	SPEC	$40.0 \pi^- C \rightarrow K_S^0 K_S^0 K_L^0 X$
1670 \pm 26	3651	^{3,12} NICHTIU 02	OBLX	
1770 \pm 12		^{13,14} ANISOVICH 99B	SPEC	$0.6-1.2 p\bar{p} \rightarrow \eta \eta \pi^0$
1730 \pm 15		³ BARBERIS 99	OMEG	$450 \bar{p}p \rightarrow p_s p_f K^+ K^-$
1750 \pm 20		³ BARBERIS 99B	OMEG	$450 \bar{p}p \rightarrow p_s p_f \pi^+ \pi^-$
1750 \pm 30		¹⁵ ANISOVICH 98B	RVUE	Compilation
1720 \pm 39		BAI 98H	BES	$J/\psi \rightarrow \gamma \pi^0 \pi^0$
1775 \pm 1.5	57	¹⁶ BARKOV 98		$\pi^- p \rightarrow K_S^0 K_S^0 n$
1690 \pm 11		¹⁷ ABREU 96C	DLPH	$Z^0 \rightarrow K^+ K^- + X$
1696 \pm 5	\pm 9 \pm 34	BAI 96C	BES	$J/\psi \rightarrow \gamma K^+ K^-$
1781 \pm 8	\pm 10 \pm 31	BAI 96C	BES	$J/\psi \rightarrow \gamma K^+ K^-$

1768±14	BALOSHIN	95	SPEC	40 π^- C → $K_S^0 K_S^0 X$
1750±15	¹⁸ BUGG	95	MRK3	$J/\psi \rightarrow \gamma \pi^+ \pi^- \pi^+ \pi^-$
1620±16	⁸ BUGG	95	MRK3	$J/\psi \rightarrow \gamma \pi^+ \pi^- \pi^+ \pi^-$
1748±10	⁷ ARMSTRONG	93C	E760	$\bar{p}p \rightarrow \pi^0 \eta \eta \rightarrow 6\gamma$
~1750	BREAKSTONE	93	SFM	$p p \rightarrow p p \pi^+ \pi^- \pi^+ \pi^-$
1744±15	¹⁹ ALDE	92D	GAM2	$38 \pi^- p \rightarrow \eta \eta n$
1713±10	²⁰ ARMSTRONG	89D	OMEG	$300 p p \rightarrow p p K^+ K^-$
1706±10	²⁰ ARMSTRONG	89D	OMEG	$300 p p \rightarrow p p K_S^0 K_S^0$
1700±15	⁸ BOLONKIN	88	SPEC	$40 \pi^- p \rightarrow K_S^0 K_S^0 n$
1720±60	³ BOLONKIN	88	SPEC	$40 \pi^- p \rightarrow K_S^0 K_S^0 n$
1638±10	²¹ FALVARD	88	DM2	$J/\psi \rightarrow \phi K^+ K^-, K_S^0 K_S^0$
1690±4	²² FALVARD	88	DM2	$J/\psi \rightarrow \phi K^+ K^-, K_S^0 K_S^0$
1755±8	²³ ALDE	86C	GAM2	$38 \pi^- p \rightarrow n 2\eta$
¹⁷³⁰ ₋₁₀ ²	²⁴ LONGACRE	86	RVUE	$22 \pi^- p \rightarrow n 2 K_S^0$
1650±50	BURKE	82	MRK2	$J/\psi \rightarrow \gamma 2\rho$
1640±50	^{25,26} EDWARDS	82D	CBAL	$J/\psi \rightarrow \gamma 2\eta$
1730±10 ±20	²⁷ ETKIN	82C	MPS	$23 \pi^- p \rightarrow n 2 K_S^0$

¹ In the SU(3) based model with a specific interference pattern of the $f_2(1270)$, $a_2^0(1320)$, and $f'_2(1525)$ mesons incoherently added to the $f_0(1710)$ and non-resonant background.

² This state may be different from $f_0(1710)$, see CLOSE 05.

³ $J^P = 0^+$.

⁴ T-matrix pole.

⁵ Supersedes BARBERIS 99 and BARBERIS 99B.

⁶ $J^P = 0^+$, supersedes by ARMSTRONG 89D.

⁷ No J^{PC} determination.

⁸ $J^P = 2^+$.

⁹ Breit-Wigner mass.

¹⁰ Systematic errors not estimated.

¹¹ K-matrix pole, assuming $J^P = 0^+$, from combined analysis of $\pi^- p \rightarrow \pi^0 \pi^0 n$, $\pi^- p \rightarrow K \bar{K} n$, $\pi^+ \pi^- \rightarrow \pi^+ \pi^-$, $\bar{p}p \rightarrow \pi^0 \pi^0 \pi^0$, $\pi^0 \eta \eta$, $\pi^0 \pi^0 \eta$, $\pi^+ \pi^- \pi^0$, $K^+ K^- \pi^0$, $K_S^0 K_S^0 \pi^0$, $K^+ K_S^0 \pi^-$ at rest, $\bar{p}n \rightarrow \pi^- \pi^- \pi^+$, $K_S^0 K^- \pi^0$, $K_S^0 K_S^0 \pi^-$ at rest.

¹² Decaying to $f_0(1370) \pi \pi$.

¹³ $J^P = 0^+$.

¹⁴ Not seen by AMSLER 02.

¹⁵ T-matrix pole, assuming $J^P = 0^+$

¹⁶ No J^{PC} determination.

¹⁷ No J^{PC} determination, width not determined.

¹⁸ From a fit to the 0^+ partial wave.

¹⁹ ALDE 92D combines all the GAMS-2000 data.

²⁰ $J^P = 2^+$, superseded by FRENCH 99.

²¹ From an analysis ignoring interference with $f'_2(1525)$.

²² From an analysis including interference with $f'_2(1525)$.

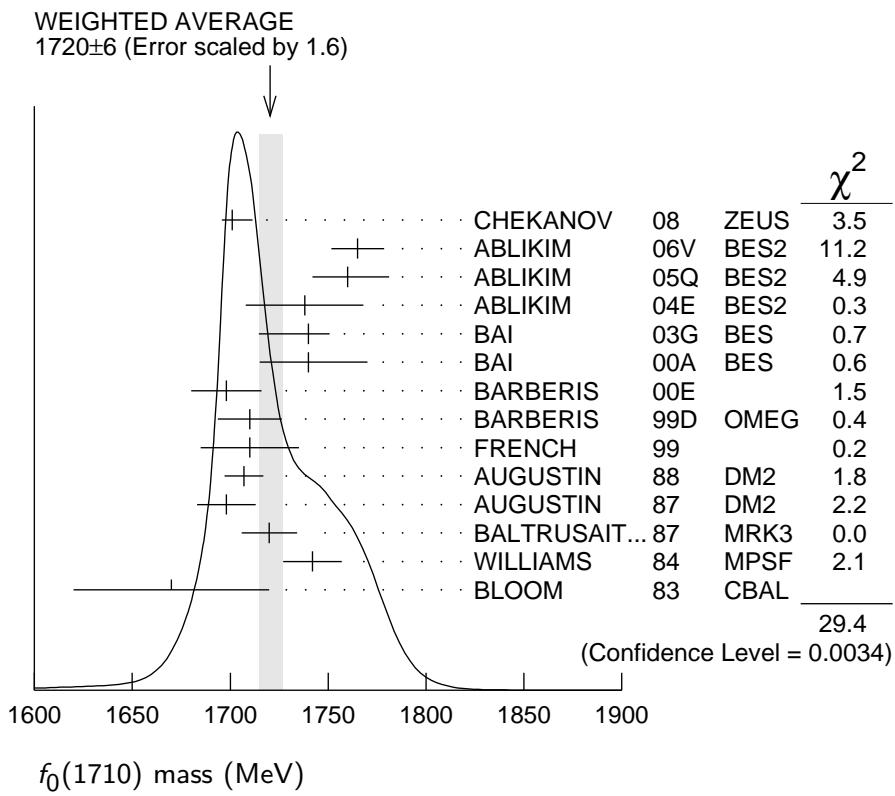
²³ Superseded by ALDE 92D.

²⁴ Uses MRK3 data. From a partial-wave analysis of data using a K-matrix formalism with 5 poles, but assuming spin 2. Fit with constrained inelasticity.

²⁵ $J^P = 2^+$ preferred.

²⁶ From fit neglecting nearby $f'_2(1525)$. Replaced by BLOOM 83.

²⁷ Superseded by LONGACRE 86.



f₀(1710) WIDTH

VALUE (MeV)	EVTS	DOCUMENT ID	TECN	COMMENT
135 ± 8 OUR AVERAGE	Error includes scale factor of 1.1.			
100 ± 24 + 7 - 22	4k	28 CHEKANOV	08 ZEUS	$e p \rightarrow K_S^0 K_S^0 X$
145 ± 8 ± 69		ABLIKIM	06V BES2	$e^+ e^- \rightarrow J/\psi \rightarrow \gamma \pi^+ \pi^-$
125 ± 25 + 10 - 15	29	ABLIKIM	05Q BES2	$\psi(2S) \rightarrow \gamma \pi^+ \pi^- K^+ K^-$
125 ± 20		ABLIKIM	04E BES2	$J/\psi \rightarrow \omega K^+ K^-$
166 + 5 + 15 - 8 - 10	30 BAI		03G BES	$J/\psi \rightarrow \gamma K\bar{K}$
120 + 50 - 40	30 BAI		00A BES	$J/\psi \rightarrow \gamma(\pi^+ \pi^- \pi^+ \pi^-)$
120 ± 26	31 BARBERIS		00E	$450 p p \rightarrow p_f \eta \eta p_s$
126 ± 16 ± 18	32 BARBERIS		99D OMEG	$450 p p \rightarrow K^+ K^-, \pi^+ \pi^-$
105 ± 34	33 FRENCH		99	$300 p p \rightarrow p_f (K^+ K^-) p_s$
166.4 ± 33.2	34 AUGUSTIN		88 DM2	$J/\psi \rightarrow \gamma K^+ K^-, K_S^0 K_S^0 X$
136 ± 28	34 AUGUSTIN		87 DM2	$J/\psi \rightarrow \gamma \pi^+ \pi^-$
130 ± 20	35 BALTRUSAIT..	87	MRK3	$J/\psi \rightarrow \gamma K^+ K^-$
57 ± 38	36 WILLIAMS		84 MPSF	$200 \pi^- N \rightarrow 2K_S^0 X$
160 ± 80	BLOOM		83 CBAL	$J/\psi \rightarrow \gamma 2\eta$

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

148	± 40	AMSLER	06	CBAR	$1.64 \bar{p}p \rightarrow K^+ K^- \pi^0$		
188	± 13	80k	29,37	UMAN	06	E835	$5.2 \bar{p}p \rightarrow \eta\eta\pi^0$
250	± 30			Vladimirsk...	06	SPEC	$40 \pi^- p \rightarrow K_S^0 K_S^0 n$
270	± 60		38	Ablikim	05	BES2	$J/\psi \rightarrow \phi\pi^+\pi^-$
260	± 50		29	Binon	05	GAMS	$33 \pi^- p \rightarrow \eta\eta n$
38	± 20	74	37	Chekhanov	04	ZEUS	$e p \rightarrow K_S^0 K_S^0 X$
144	± 30		39,40	Anisovich	03	RVUE	
320	± 50		40,41	Anisovich	03	RVUE	
102	± 26			Tikhomirov	03	SPEC	$40.0 \pi^- C \rightarrow K_S^0 K_S^0 K_L^0 X$
267	± 44	3651	30,42	Nichitiu	02	OBLX	
220	± 40		43,44	Anisovich	99B	SPEC	$0.6-1.2 p\bar{p} \rightarrow \eta\eta\pi^0$
100	± 25		30	Barberis	99	OMEG	$450 pp \rightarrow p_s p_f K^+ K^-$
160	± 30		30	Barberis	99B	OMEG	$450 pp \rightarrow p_s p_f \pi^+ \pi^-$
250	± 140		45	Anisovich	98B	RVUE	Compilation
30	± 7	57	46	Barkov	98		$\pi^- p \rightarrow K_S^0 K_S^0 n$
103	± 18	$+30$	35	BAI	96C	BES	$J/\psi \rightarrow \gamma K^+ K^-$
85	± 24	-11	30	BAI	96C	BES	$J/\psi \rightarrow \gamma K^+ K^-$
56	± 19			Baloshin	95	SPEC	$40 \pi^- C \rightarrow K_S^0 K_S^0 X$
160	± 40		47	Bugg	95	MRK3	$J/\psi \rightarrow \gamma\pi^+\pi^-\pi^+\pi^-$
160	± 60	-20	35	Bugg	95	MRK3	$J/\psi \rightarrow \gamma\pi^+\pi^-\pi^+\pi^-$
264	± 25		34	ARMSTRONG	93C	E760	$\bar{p}p \rightarrow \pi^0 \eta\eta \rightarrow 6\gamma$
200	to 300			BREAKSTONE	93	SFM	$pp \rightarrow pp\pi^+\pi^-\pi^+\pi^-$
< 80	90% CL		48	ALDE	92D	GAM2	$38 \pi^- p \rightarrow \eta\eta N^*$
181	± 30		49	ARMSTRONG	89D	OMEG	$300 pp \rightarrow ppK^+ K^-$
104	± 30		49	ARMSTRONG	89D	OMEG	$300 pp \rightarrow ppK_S^0 K_S^0$
30	± 20		35	Bolonkin	88	SPEC	$40 \pi^- p \rightarrow K_S^0 K_S^0 n$
350	± 150		30	Bolonkin	88	SPEC	$40 \pi^- p \rightarrow K_S^0 K_S^0 n$
148	± 17		50	Falvard	88	DM2	$J/\psi \rightarrow \phi K^+ K^-, K_S^0 K_S^0$
184	± 6		51	Falvard	88	DM2	$J/\psi \rightarrow \phi K^+ K^-, K_S^0 K_S^0$
122	± 74	-15	52	Longacre	86	RVUE	$22 \pi^- p \rightarrow n2K_S^0$
200	± 100			Burke	82	MRK2	$J/\psi \rightarrow \gamma 2\rho$
220	± 100	-70	53,54	EDWARDS	82D	CBAL	$J/\psi \rightarrow \gamma 2\eta$
200	± 156	-9	55	ETKIN	82B	MPS	$23 \pi^- p \rightarrow n2K_S^0$

28 In the SU(3) based model with a specific interference pattern of the $f_2(1270)$, $a_2^0(1320)$, and $f'_2(1525)$ mesons incoherently added to the $f_0(1710)$ and non-resonant background.

29 Breit-Wigner width.

30 $J^P = 0^+$.

31 T-matrix pole.

32 Supersedes Barberis 99 and Barberis 99B.

33 $J^P = 0^+$, supersedes by ARMSTRONG 89D.

- 34 No J^{PC} determination.
 35 $J^P = 2^+$.
 36 No J^{PC} determination.
 37 Systematic errors not estimated.
 38 This state may be different from $f_0(1710)$, see CLOSE 05.
 39 (Solution I)
 40 K-matrix pole, assuming $J^P = 0^+$, from combined analysis of $\pi^- p \rightarrow \pi^0 \pi^0 n$, $\pi^- p \rightarrow K\bar{K}n$, $\pi^+ \pi^- \rightarrow \pi^+ \pi^-$, $\bar{p}p \rightarrow \pi^0 \pi^0 \pi^0$, $\pi^0 \eta \eta$, $\pi^0 \pi^0 \eta$, $\pi^+ \pi^- \pi^0$, $K^+ K^- \pi^0$, $K_S^0 K_S^0 \pi^0$, $K^+ K_S^0 \pi^-$ at rest, $\bar{p}n \rightarrow \pi^- \pi^- \pi^+$, $K_S^0 K^- \pi^0$, $K_S^0 K_S^0 \pi^-$ at rest.
 41 (Solution I)
 42 Decaying to $f_0(1370)\pi\pi$.
 43 $J^P = 0^+$.
 44 Not seen by AMSLER 02.
 45 T-matrix pole, assuming $J^P = 0^+$
 46 No J^{PC} determination.
 47 From a fit to the 0^+ partial wave.
 48 ALDE 92D combines all the GAMS-2000 data.
 49 $J^P = 2^+$, (0^+ excluded).
 50 From an analysis ignoring interference with $f'_2(1525)$.
 51 From an analysis including interference with $f'_2(1525)$.
 52 Uses MRK3 data. From a partial-wave analysis of data using a K-matrix formalism with 5 poles, but assuming spin 2. Fit with constrained inelasticity.
 53 $J^P = 2^+$ preferred.
 54 From fit neglecting nearby $f'_2(1525)$. Replaced by BLOOM 83.
 55 From an amplitude analysis of the $K_S^0 K_S^0$ system, superseded by LONGACRE 86.
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$f_0(1710)$ DECAY MODES

Mode	Fraction (Γ_i/Γ)
$\Gamma_1 K\bar{K}$	seen
$\Gamma_2 \eta\eta$	seen
$\Gamma_3 \pi\pi$	seen
$\Gamma_4 \gamma\gamma$	
$\Gamma_5 \omega\omega$	seen

$f_0(1710) \Gamma(i)\Gamma(\gamma\gamma)/\Gamma(\text{total})$

$\Gamma(K\bar{K}) \times \Gamma(\gamma\gamma)/\Gamma_{\text{total}}$	$\Gamma_1\Gamma_4/\Gamma$
VALUE (eV)	CL%
<110	95
56 BEHREND	89C CELL $\gamma\gamma \rightarrow K_S^0 K_S^0$
• • • We do not use the following data for averages, fits, limits, etc. • • •	
<480	95 ALBRECHT 90G ARG $\gamma\gamma \rightarrow K^+ K^-$
<280	95 56 ALTHOFF 85B TASS $\gamma\gamma \rightarrow K\bar{K}\pi$

56 Assuming helicity 2.

$\Gamma(\pi\pi) \times \Gamma(\gamma\gamma)/\Gamma_{\text{total}}$	$\Gamma_3\Gamma_4/\Gamma$			
<u>VALUE</u> (keV)	<u>CL%</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
<0.82	95	57 BARATE	00E ALEP	$\gamma\gamma \rightarrow \pi^+\pi^-$
57 Assuming spin 0.				

$f_0(1710)$ BRANCHING RATIOS

$\Gamma(K\bar{K})/\Gamma_{\text{total}}$	Γ_1/Γ		
<u>VALUE</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
• • • We do not use the following data for averages, fits, limits, etc. • • •			
0.36 ± 0.12	ALBALADEJO 08	RVUE	
0.38 ^{+0.09} _{-0.19}	58,59 LONGACRE 86	MPS	$22 \pi^- p \rightarrow n2K_S^0$

$\Gamma(\eta\eta)/\Gamma_{\text{total}}$	Γ_2/Γ		
<u>VALUE</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
• • • We do not use the following data for averages, fits, limits, etc. • • •			
0.22 ± 0.12	ALBALADEJO 08	RVUE	
0.18 ^{+0.03} _{-0.13}	58,59 LONGACRE 86	RVUE	

$\Gamma(\pi\pi)/\Gamma_{\text{total}}$	Γ_3/Γ		
<u>VALUE</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
• • • We do not use the following data for averages, fits, limits, etc. • • •			
not seen	AMSLER 02	CBAR	$0.9 \bar{p}p \rightarrow \pi^0\eta\eta, \pi^0\pi^0\pi^0$
0.039 ^{+0.002} _{-0.024}	58,59 LONGACRE 86	RVUE	

$\Gamma(\pi\pi)/\Gamma(K\bar{K})$	Γ_3/Γ_1			
<u>VALUE</u>	<u>CL%</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
0.41^{+0.11}_{-0.17}		ABLIKIM 06V	BES2	$e^+e^- \rightarrow J/\psi \rightarrow \gamma\pi^+\pi^-$
• • • We do not use the following data for averages, fits, limits, etc. • • •				
0.32 ± 0.14		ALBALADEJO 08	RVUE	
< 0.11	95	60 ABLIKIM 04E	BES2	$J/\psi \rightarrow \omega K^+ K^-$
5.8 ^{+9.1} _{-5.5}		61 ANISOVICH 02D	SPEC	Combined fit
0.2 ± 0.024 ± 0.036		BARBERIS 99D	OMEG	$450 pp \rightarrow K^+K^-, \pi^+\pi^-$
0.39 ± 0.14		ARMSTRONG 91	OMEG	$300 pp \rightarrow pp\pi\pi, ppK\bar{K}$

$\Gamma(\eta\eta)/\Gamma(K\bar{K})$	Γ_2/Γ_1			
<u>VALUE</u>	<u>CL%</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
0.48 ± 0.15				
		BARBERIS 00E		$450 pp \rightarrow p_f\eta\eta p_s$
• • • We do not use the following data for averages, fits, limits, etc. • • •				
0.46 ^{+0.70} _{-0.38}		61 ANISOVICH 02D	SPEC	Combined fit
< 0.02	90	62 PROKOSHKIN 91	GA24	$300 \pi^- p \rightarrow \pi^- p\eta\eta$

$\Gamma(\omega\omega)/\Gamma_{\text{total}}$ Γ_5/Γ

<u>VALUE</u>	<u>EVTS</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
seen	180	ABLIKIM	06H BES	$J/\psi \rightarrow \gamma\omega\omega$
58	From a partial-wave analysis of data using a K-matrix formalism with 5 poles, but assuming spin 2.			
59	Fit with constrained inelasticity.			
60	Using data from ABLIKIM 04A.			
61	From a combined K-matrix analysis of Crystal Barrel (0. $p\bar{p} \rightarrow \pi^0\pi^0\pi^0$, $\pi^0\eta\eta$, $\pi^0\pi^0\eta$), GAMS ($\pi p \rightarrow \pi^0\pi^0n$, $\eta\eta n$, $\eta\eta' n$), and BNL ($\pi p \rightarrow K\bar{K}n$) data.			
62	Combining results of GAM4 with those of ARMSTRONG 89D.			

 $f_0(1710)$ REFERENCES

ALBALADEJO 08	PRL 101 252002	M. Albaladejo, J.A. Oller	
CHEKANOV 08	PRL 101 112003	S. Chekanov <i>et al.</i>	(ZEUS Collab.)
ABLIKIM 06H	PR D73 112007	M. Ablikim <i>et al.</i>	(BES Collab.)
ABLIKIM 06V	PL B642 441	M. Ablikim <i>et al.</i>	(BES Collab.)
AMSLER 06	PL B639 165	C. Amsler <i>et al.</i>	(CBAR Collab.)
UMAN 06	PR D73 052009	I. Uman <i>et al.</i>	(FNAL E835)
VLADIMIRSK... 06	PAN 69 493	V.V. Vladimirsy <i>et al.</i>	(ITEP, Moscow)
	Translated from YAF 69 515.		
ABLIKIM 05	PL B607 243	M. Ablikim <i>et al.</i>	(BES Collab.)
ABLIKIM 05Q	PR D72 092002	M. Ablikim <i>et al.</i>	(BES Collab.)
BINON 05	PAN 68 960	F. Binon <i>et al.</i>	
	Translated from YAF 68 998.		
CLOSE 05	PR D71 094022	F.E. Close, Q. Zhao	
ABLIKIM 04A	PL B598 149	M. Ablikim <i>et al.</i>	(BES Collab.)
ABLIKIM 04E	PL B603 138	M. Ablikim <i>et al.</i>	(BES Collab.)
CHEKANOV 04	PL B578 33	S. Chekanov <i>et al.</i>	(ZEUS Collab.)
PDG 04	PL B592 1	S. Eidelman <i>et al.</i>	
ANISOVICH 03	EPJ A16 229	V.V. Anisovich <i>et al.</i>	
BAI 03G	PR D68 052003	J.Z. Bai <i>et al.</i>	(BES Collab.)
TIKHOMIROV 03	PAN 66 828	G.D. Tikhomirov <i>et al.</i>	
	Translated from YAF 66 860.		
AMSLER 02	EPJ C23 29	C. Amsler <i>et al.</i>	
ANISOVICH 02D	PAN 65 1545	V.V. Anisovich <i>et al.</i>	
	Translated from YAF 65 1583.		
NICHITU 02	PL B545 261	F. Nichitiu <i>et al.</i>	(OBELIX Collab.)
BAI 00A	PL B472 207	J.Z. Bai <i>et al.</i>	(BES Collab.)
BARATE 00E	PL B472 189	R. Barate <i>et al.</i>	(ALEPH Collab.)
BARBERIS 00E	PL B479 59	D. Barberis <i>et al.</i>	(WA 102 Collab.)
ANISOVICH 99B	PL B449 154	A.V. Anisovich <i>et al.</i>	
BARBERIS 99	PL B453 305	D. Barberis <i>et al.</i>	(Omega Expt.)
BARBERIS 99B	PL B453 316	D. Barberis <i>et al.</i>	(Omega Expt.)
BARBERIS 99D	PL B462 462	D. Barberis <i>et al.</i>	(Omega Expt.)
FRENCH 99	PL B460 213	B. French <i>et al.</i>	(WA76 Collab.)
ANISOVICH 98B	SPU 41 419	V.V. Anisovich <i>et al.</i>	
	Translated from UFN 168 481.		
BAI 98H	PRL 81 1179	J.Z. Bai <i>et al.</i>	(BES Collab.)
BARKOV 98	JETPL 68 764	B.P. Barkov <i>et al.</i>	
ABREU 96C	PL B379 309	P. Abreu <i>et al.</i>	(DELPHI Collab.)
BAI 96C	PRL 77 3959	J.Z. Bai <i>et al.</i>	(BES Collab.)
BALOSHIN 95	PAN 58 46	O.N. Baloshin <i>et al.</i>	(ITEP)
	Translated from YAF 58 50.		
BUGG 95	PL B353 378	D.V. Bugg <i>et al.</i>	(LOQM, PNPI, WASH)
ARMSTRONG 93C	PL B307 394	T.A. Armstrong <i>et al.</i>	(FNAL, FERR, GENO+)
BREAKSTONE 93	ZPHY C58 251	A.M. Breakstone <i>et al.</i>	(IOWA, CERN, DORT+)
ALDE 92D	PL B284 457	D.M. Alde <i>et al.</i>	(GAM2 Collab.)
Also	SJNP 54 451	D.M. Alde <i>et al.</i>	(GAM2 Collab.)
	Translated from YAF 54 745.		
ARMSTRONG 91	ZPHY C51 351	T.A. Armstrong <i>et al.</i>	(ATHU, BARI, BIRM+)
PROKOSHKIN 91	SPD 36 155	Y.D. Prokoshkin	(GAM2, GAM4 Collab.)
	Translated from DANS 316 900.		

ALBRECHT	90G	ZPHY C48 183	H. Albrecht <i>et al.</i>	(ARGUS Collab.)
ARMSTRONG	89D	PL B227 186	T.A. Armstrong, M. Benayoun	(ATHU, BARI, BIRM+)
BEHREND	89C	ZPHY C43 91	H.J. Behrend <i>et al.</i>	(CELLO Collab.)
AUGUSTIN	88	PRL 60 2238	J.E. Augustin <i>et al.</i>	(DM2 Collab.)
BOLONKIN	88	NP B309 426	B.V. Bolonkin <i>et al.</i>	(ITEP, SERP)
FALVARD	88	PR D38 2706	A. Falvard <i>et al.</i>	(CLER, FRAS, LALO+)
AUGUSTIN	87	ZPHY C36 369	J.E. Augustin <i>et al.</i>	(LALO, CLER, FRAS+)
BALTRUSAIT...	87	PR D35 2077	R.M. Baltrusaitis <i>et al.</i>	(Mark III Collab.)
ALDE	86C	PL B182 105	D.M. Alde <i>et al.</i>	(SERP, BELG, LANL, LAPP)
LONGACRE	86	PL B177 223	R.S. Longacre <i>et al.</i>	(BNL, BRAN, CUNY+)
ALTHOFF	85B	ZPHY C29 189	M. Althoff <i>et al.</i>	(TASSO Collab.)
WILLIAMS	84	PR D30 877	E.G.H. Williams <i>et al.</i>	(VAND, NDAM, TUFTS+)
BLOOM	83	ARNS 33 143	E.D. Bloom, C. Peck	(SLAC, CIT)
BURKE	82	PRL 49 632	D.L. Burke <i>et al.</i>	(LBL, SLAC)
EDWARDS	82D	PRL 48 458	C. Edwards <i>et al.</i>	(CIT, HARV, PRIN+)
ETKIN	82B	PR D25 1786	A. Etkin <i>et al.</i>	(BNL, CUNY, TUFTS, VAND)
ETKIN	82C	PR D25 2446	A. Etkin <i>et al.</i>	(BNL, CUNY, TUFTS, VAND)

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GLOZMAN	06	PR D73 017503	L.Ya. Glozman	
HE	06	PR D73 051502R	X.-G. He, X.-Q. Li, X.-Q. Zeng	
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ZHAO	05	PR D72 074001	Q. Zhao	
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LINK	04	PL B585 200	J.M. Link <i>et al.</i>	(FNAL FOCUS Collab.)
TESHIMA	04	JPG 30 663	T. Teshima <i>et al.</i>	
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		Translated from YAF 66 772.		
AMSLER	02B	PL B541 22	C. Amsler	
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		Translated from YAF 65 1701.		
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VOLKOV	01	PAN 64 2006	M.K. Volkov, V.L. Yudichev	
		Translated from YAF 64 2091.		
ANISOVICH	99H	PL B467 289	A.V. Anisovich, V.V. Anisovich	
GRYGOREV	99	PAN 62 470	V.K. Grygorev <i>et al.</i>	
		Translated from YAF 62 513.		
PROKOSHKIN	99	PAN 62 356	Yu.D. Prokoshkin	
		Translated from YAF 62 396.		
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