$f_0(600)$ or σ

$I^G(J^{PC}) = 0^+(0^{++})$

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$f_0(600)$ T-MATRIX POLE $\sqrt{s}$

Note that $\Gamma \approx 2\ \mathrm{Im}(\sqrt{s_{\mathrm{pole}}})$.

VALUE (MeV)	DOCUMENT ID		TECN	COMMENT
(400–1200)−i(250–500) OUR ESTIMATE				
• • • We do not use the following data for averages, fits, limits, etc. • • •				
$(552^{+84}_{-106})-i(232^{+81}_{-72})$	[1] ABLIKIM	07A	BES2	$\psi(2S) \to \pi^+\pi^- J/\psi$
$(441^{+16}_{-8})-i(272^{+9}_{-12.5})$	[2] CAPRINI	06	RVUE	$\pi\pi \to \pi\pi$
$(470 \pm 50)-i(285 \pm 25)$	[3] ZHOU	05	RVUE	
$(541 \pm 39)-i(252 \pm 42)$	[4] ABLIKIM	04A	BES2	$J/\psi \to \omega\pi^+\pi^-$
$(528 \pm 32)-i(207 \pm 23)$	[5] GALLEGOS	04	RVUE	Compilation
$(440 \pm 8)-i(212 \pm 15)$	[6] PELAEZ	04A	RVUE	$\pi\pi \to \pi\pi$
$(533 \pm 25)-i(247 \pm 25)$	[7] BUGG	03	RVUE	
$532 - i272$	BLACK	01	RVUE	$\pi^0\pi^0 \to \pi^0\pi^0$
$(470 \pm 30)-i(295 \pm 20)$	[2] COLANGELO	01	RVUE	$\pi\pi \to \pi\pi$
$(535^{+48}_{-36})-i(155^{+76}_{-53})$	[8] ISHIDA	01		$\Upsilon(3S) \to \Upsilon\pi\pi$
$610 \pm 14 - i620 \pm 26$	[9] SUROVTSEV	01	RVUE	$\pi\pi \to \pi\pi$, $K\overline{K}$
$(558^{+34}_{-27})-i(196^{+32}_{-41})$	ISHIDA	00B		$p\overline{p} \to \pi^0\pi^0\pi^0$
$445 - i235$	HANNAH	99	RVUE	π scalar form factor
$(523 \pm 12)-i(259 \pm 7)$	KAMINSKI	99	RVUE	$\pi\pi \to \pi\pi$, $K\overline{K}$, $\sigma\sigma$
$442 - i\ 227$	OLLER	99	RVUE	$\pi\pi \to \pi\pi$, $K\overline{K}$
$469 - i203$	OLLER	99B	RVUE	$\pi\pi \to \pi\pi$, $K\overline{K}$
$445 - i221$	OLLER	99C	RVUE	$\pi\pi \to \pi\pi$, $K\overline{K}$, $\eta\eta$
$(1530^{+90}_{-250})-i(560 \pm 40)$	ANISOVICH	98B	RVUE	Compilation
$420 - i\ 212$	LOCHER	98	RVUE	$\pi\pi \to \pi\pi$, $K\overline{K}$
$(602 \pm 26)-i(196 \pm 27)$	[10] ISHIDA	97		$\pi\pi \to \pi\pi$
$(537 \pm 20)-i(250 \pm 17)$	[11] KAMINSKI	97B	RVUE	$\pi\pi \to \pi\pi$, $K\overline{K}$, 4π
$470 - i250$	[12,13] TORNQVIST	96	RVUE	$\pi\pi \to \pi\pi$, $K\overline{K}$, $K\pi$, $\eta\pi$
$\sim (1100 - i300)$	AMSLER	95B	CBAR	$\overline{p}p \to 3\pi^0$
$400 - i500$	[13,14] AMSLER	95D	CBAR	$\overline{p}p \to 3\pi^0$
$1100 - i137$	[13,15] AMSLER	95D	CBAR	$\overline{p}p \to 3\pi^0$
$387 - i305$	[13,16] JANSSEN	95	RVUE	$\pi\pi \to \pi\pi$, $K\overline{K}$
$525 - i269$	[17] ACHASOV	94	RVUE	$\pi\pi \to \pi\pi$
$(506 \pm 10)-i(247 \pm 3)$	KAMINSKI	94	RVUE	$\pi\pi \to \pi\pi$, $K\overline{K}$
$370 - i356$	[18] ZOU	94B	RVUE	$\pi\pi \to \pi\pi$, $K\overline{K}$
$408 - i342$	[13,18] ZOU	93	RVUE	$\pi\pi \to \pi\pi$, $K\overline{K}$
$870 - i370$	[13,19] AU	87	RVUE	$\pi\pi \to \pi\pi$, $K\overline{K}$
$470 - i208$	[20] VANBEVEREN	86	RVUE	$\pi\pi \to \pi\pi$, $K\overline{K}$, $\eta\eta$, ...
$(750 \pm 50)-i(450 \pm 50)$	[21] ESTABROOKS	79	RVUE	$\pi\pi \to \pi\pi$, $K\overline{K}$
$(660 \pm 100)-i(320 \pm 70)$	PROTOPOP...	73	HBC	$\pi\pi \to \pi\pi$, $K\overline{K}$
$650 - i370$	[22] BASDEVANT	72	RVUE	$\pi\pi \to \pi\pi$

[1] From a mean of three different $f_0(600)$ parametrizations. Uses 40k events.
[2] From the solution of the Roy equation (ROY 71) for the isoscalar S-wave and using a phase-shift analysis of HYAMS 73 and PROTOPOPESCU 73 data.
[3] Reanalysis of the data from PROTOPOPESCU 73, ESTABROOKS 74, GRAYER 74, ROSSELET 77, PISLAK 03, and AKHMETSHIN 04.
[4] From a mean of six different analyses and $f_0(600)$ parameterizations.
[5] Using data on $\psi(2S) \rightarrow J/\psi\pi\pi$ from BAI 00E and on Υ(nS) $\rightarrow$ Υ(mS)$\pi\pi$ from BUTLER 94B and ALEXANDER 98.
[6] Reanalysis of data from PROTOPOPESCU 73, ESTABROOKS 74, GRAYER 74, and COHEN 80 in the unitarized ChPT model.
[7] From a combined analysis of HYAMS 73, AUGUSTIN 89, AITALA 01B, and PISLAK 01.
[8] A similar analysis (KOMADA 01) finds $(580^{+79}_{-30})-i(190^{+107}_{-49})$ MeV.
[9] Coupled channel reanalysis of BATON 70, BENSINGER 71, BAILLON 72, HYAMS 73, HYAMS 75, ROSSELET 77, COHEN 80, and ETKIN 82B using the uniformizing variable.
[10] Reanalysis of data from HYAMS 73, GRAYER 74, SRINIVASAN 75, and ROSSELET 77 using the interfering amplitude method.
[11] Average and spread of 4 variants ("up" and "down") of KAMINSKI 97B 3-channel model.
[12] Uses data from BEIER 72B, OCHS 73, HYAMS 73, GRAYER 74, ROSSELET 77, CASON 83, ASTON 88, and ARMSTRONG 91B. Coupled channel analysis with flavor symmetry and all light two-pseudoscalars systems.
[13] Demonstrates explicitly that $f_0(600)$ and $f_0(1370)$ are two different poles.
[14] Coupled channel analysis of $\overline{p}p \rightarrow 3\pi^0$, $\pi^0\eta\eta$ and $\pi^0\pi^0\eta$ on sheet II.
[15] Coupled channel analysis of $\overline{p}p \rightarrow 3\pi^0$, $\pi^0\eta\eta$ and $\pi^0\pi^0\eta$ on sheet III.
[16] Analysis of data from FALVARD 88.
[17] Analysis of data from OCHS 73, ESTABROOKS 75, ROSSELET 77, and MUKHIN 80.
[18] Analysis of data from OCHS 73, GRAYER 74, and ROSSELET 77.
[19] Analysis of data from OCHS 73, GRAYER 74, BECKER 79, and CASON 83.
[20] Coupled-channel analysis using data from PROTOPOPESCU 73, HYAMS 73, HYAMS 75, GRAYER 74, ESTABROOKS 74, ESTABROOKS 75, FROGGATT 77, CORDEN 79, BISWAS 81.
[21] Analysis of data from APEL 73, GRAYER 74, CASON 76, PAWLICKI 77. Includes spread and errors of 4 solutions.
[22] Analysis of data from BATON 70, BENSINGER 71, COLTON 71, BAILLON 72,PROTOPOPESCU 73, and WALKER 67.

$f_0(600)$ BREIT-WIGNER MASS OR K-MATRIX POLE PARAMETERS

VALUE (MeV)	*DOCUMENT ID*		*TECN*	*COMMENT*
(400–1200) OUR ESTIMATE				
513±32	[23] MURAMATSU	02	CLEO	$e^+e^- \approx$ 10 GeV
• • • We do not use the following data for averages, fits, limits, etc. • • •				
$478^{+24}_{-23}\pm17$	AITALA	01B	E791	$D^+ \rightarrow \pi^-\pi^+\pi^+$
563^{+58}_{-29}	[24] ISHIDA	01		$\Upsilon(3S) \rightarrow \Upsilon\pi\pi$
555	[25] ASNER	00	CLE2	$\tau^- \rightarrow \pi^-\pi^0\pi^0\nu_\tau$
540±36	ISHIDA	00B		$p\overline{p} \rightarrow \pi^0\pi^0\pi^0$
750± 4	ALEKSEEV	99	SPEC	1.78 $\pi^- p_{polar} \rightarrow \pi^-\pi^+ n$
744± 5	ALEKSEEV	98	SPEC	1.78 $\pi^- p_{polar} \rightarrow \pi^-\pi^+ n$
759± 5	[26] TROYAN	98		5.2 $np \rightarrow np\pi^+\pi^-$

780 ± 30	ALDE	97	GAM2	450 $p p \to p p \pi^0 \pi^0$
585 ± 20	[27] ISHIDA	97		$\pi\pi \to \pi\pi$
761 ± 12	[28] SVEC	96	RVUE	6–17 $\pi N_{polar} \to \pi^+ \pi^- N$
$\sim$ 860	[29,30] TORNQVIST	96	RVUE	$\pi\pi \to \pi\pi$, $K\overline{K}$, $K\pi$, $\eta\pi$
1165 ± 50	[31,32] ANISOVICH	95	RVUE	$\pi^- p \to \pi^0 \pi^0 n$, $\overline{p} p \to \pi^0 \pi^0 \pi^0$, $\pi^0 \pi^0 \eta$, $\pi^0 \eta\eta$
$\sim$ 1000	[33] ACHASOV	94	RVUE	$\pi\pi \to \pi\pi$
414 ± 20	[28] AUGUSTIN	89	DM2	

[23] Statistical uncertainty only.

[24] A similar analysis (KOMADA 01) finds 526^{+48}_{-37} MeV.

[25] From the best fit of the Dalitz plot.

[26] 6σ effect, no PWA.

[27] Reanalysis of data from HYAMS 73, GRAYER 74, SRINIVASAN 75, and ROSSELET 77 using the interfering amplitude method.

[28] Breit-Wigner fit to S-wave intensity measured in $\pi N \to \pi^- \pi^+ N$ on polarized targets. The fit does not include $f_0(980)$.

[29] Uses data from ASTON 88, OCHS 73, HYAMS 73, ARMSTRONG 91B, GRAYER 74, CASON 83, ROSSELET 77, and BEIER 72B. Coupled channel analysis with flavor symmetry and all light two-pseudoscalars systems.

[30] Also observed by ASNER 00 in $\tau^- \to \pi^- \pi^0 \pi^0 \nu_\tau$ decays.

[31] Uses $\pi^0 \pi^0$ data from ANISOVICH 94, AMSLER 94D, and ALDE 95B, $\pi^+ \pi^-$ data from OCHS 73, GRAYER 74 and ROSSELET 77, and $\eta\eta$ data from ANISOVICH 94.

[32] The pole is on Sheet III. Demonstrates explicitly that $f_0(600)$ and $f_0(1370)$ are two different poles.

[33] Analysis of data from OCHS 73, ESTABROOKS 75, ROSSELET 77, and MUKHIN 80.

$f_0(600)$ BREIT-WIGNER WIDTH

VALUE (MeV)	*DOCUMENT ID*		*TECN*	*COMMENT*
(600–1000) OUR ESTIMATE				
335 ± 67	[34] MURAMATSU	02	CLEO	$e^+ e^- \approx$ 10 GeV
• • • We do not use the following data for averages, fits, limits, etc. • • •				
$324^{+42}_{-40} \pm 21$	AITALA	01B	E791	$D^+ \to \pi^- \pi^+ \pi^+$
372^{+229}_{-95}	[35] ISHIDA	01		$\Upsilon(3S) \to \Upsilon\pi\pi$
540	[36] ASNER	00	CLE2	$\tau^- \to \pi^- \pi^0 \pi^0 \nu_\tau$
372 ± 80	ISHIDA	00B		$p\overline{p} \to \pi^0 \pi^0 \pi^0$
119 ± 13	ALEKSEEV	99	SPEC	1.78 $\pi^- p_{polar} \to \pi^- \pi^+ n$
77 ± 22	ALEKSEEV	98	SPEC	1.78 $\pi^- p_{polar} \to \pi^- \pi^+ n$
35 ± 12	[37] TROYAN	98		5.2 $n p \to n p \pi^+ \pi^-$
780 ± 60	ALDE	97	GAM2	450 $p p \to p p \pi^0 \pi^0$
385 ± 70	[38] ISHIDA	97		$\pi\pi \to \pi\pi$
290 ± 54	[39] SVEC	96	RVUE	6–17 $\pi N_{polar} \to \pi^+ \pi^- N$
$\sim$ 880	[40,41] TORNQVIST	96	RVUE	$\pi\pi \to \pi\pi$, $K\overline{K}$, $K\pi$, $\eta\pi$
460 ± 40	[42,43] ANISOVICH	95	RVUE	$\pi^- p \to \pi^0 \pi^0 n$, $\overline{p} p \to \pi^0 \pi^0 \pi^0$, $\pi^0 \pi^0 \eta$, $\pi^0 \eta\eta$
$\sim$ 3200	[44] ACHASOV	94	RVUE	$\pi\pi \to \pi\pi$
494 ± 58	[39] AUGUSTIN	89	DM2	

[34] Statistical uncertainty only.
[35] A similar analysis (KOMADA 01) finds 301^{+145}_{-100} MeV.
[36] From the best fit of the Dalitz plot.
[37] 6σ effect, no PWA.
[38] Reanalysis of data from HYAMS 73, GRAYER 74, SRINIVASAN 75, and ROSSELET 77 using the interfering amplitude method.
[39] Breit-Wigner fit to S-wave intensity measured in $\pi N \rightarrow \pi^- \pi^+ N$ on polarized targets. The fit does not include $f_0(980)$.
[40] Uses data from ASTON 88, OCHS 73, HYAMS 73, ARMSTRONG 91B, GRAYER 74, CASON 83, ROSSELET 77, and BEIER 72B. Coupled channel analysis with flavor symmetry and all light two-pseudoscalars systems.
[41] Also observed by ASNER 00 in $\tau^- \rightarrow \pi^- \pi^0 \pi^0 \nu_\tau$ decays.
[42] Uses $\pi^0\pi^0$ data from ANISOVICH 94, AMSLER 94D, and ALDE 95B, $\pi^+\pi^-$ data from OCHS 73, GRAYER 74 and ROSSELET 77, and $\eta\eta$ data from ANISOVICH 94.
[43] The pole is on Sheet III. Demonstrates explicitly that $f_0(600)$ and $f_0(1370)$ are two different poles.
[44] Analysis of data from OCHS 73, ESTABROOKS 75, ROSSELET 77, and MUKHIN 80.

$f_0(600)$ DECAY MODES

	Mode	Fraction (Γ_i/Γ)
Γ_1	$\pi\pi$	dominant
Γ_2	$\gamma\gamma$	seen

$f_0(600)$ PARTIAL WIDTHS

$\Gamma(\gamma\gamma)$ $\qquad\qquad$ Γ_2

VALUE (keV)	*DOCUMENT ID*		*TECN*	*COMMENT*
• • • We do not use the following data for averages, fits, limits, etc. • • •				
4.1±0.3	[45] PENNINGTON	06	RVUE	$\gamma\gamma \rightarrow \pi^0\pi^0$
3.8±1.5	[46,47] BOGLIONE	99	RVUE	$\gamma\gamma \rightarrow \pi^+\pi^-, \pi^0\pi^0$
5.4±2.3	[46] MORGAN	90	RVUE	$\gamma\gamma \rightarrow \pi^+\pi^-, \pi^0\pi^0$
10 ±6	COURAU	86	DM1	$e^+e^- \rightarrow \pi^+\pi^- e^+e^-$

[45] Using unitarity and the σ pole position from CAPRINI 06.
[46] This width could equally well be assigned to the $f_0(1370)$. The authors analyse data from BOYER 90 and MARSISKE 90 and report strong correlation with $\gamma\gamma$ width of $f_2(1270)$.
[47] Supersedes MORGAN 90.

$f_0(600)$ REFERENCES

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ZHOU	05	JHEP 0502 043	Z.Y. Zhou *et al.*	
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AKHMETSHIN	04	PL B578 285	R.R. Akhmetshin *et al.*	(Novosibirsk CMD-2 Collab.)
GALLEGOS	04	PR D69 074033	A. Gallegos *et al.*	
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BUGG	03	PL B572 1	D.V. Bugg	
PISLAK	03	PR D67 072004	S. Pislak *et al.*	(BNL E865 Collab.)
MURAMATSU	02	PRL 89 251802	H. Muramatsu *et al.*	(CLEO Collab.)
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VANBEVEREN	06	PL B641 265	E. van Beberen *et al.*	
VANBEVEREN	06A	PR D74 037501	E. van Beberen *et al.*	
VANBEVEREN	06B	PRL 97 202001	E. van Beberen, G. Rupp	
VENTO	06	PR D73 054006	V. Vento	
ABLIKIM	05	PL B607 243	M. Ablikim *et al.*	(BES Collab.)
ABLIKIM	05Q	PR D72 092002	M. Ablikim *et al.*	(BES Collab.)
AUBERT,B	05G	PR D72 052002	B. Aubert *et al.*	(BABAR Collab.)
BRITO	05	PL B608 69	T.V. Brito *et al.*	
CRONIN-HEN...	05	PR D72 031102R	D. Cronin-Hennessy *et al.*	(CLEO Collab.)
GIACOSA	05	PR C71 025202	F. Giacosa *et al.*	
JAFFE	05	PRPL 409 1	R.L. Jaffe	
LI	05B	EPJ A25 263	D.-M. Li, K.-W. Wei, H. Yu	
LINK	05I	PL B621 72	J.M. Link *et al.*	(FNAL FOCUS Collab.)
RODRIGUEZ	05	PR D71 074008	S. Rodriguez, M. Napsuciale	
VIJANDE	05	PR D72 034025	J. Vijande, A. Valarce, F. Fernandez	
AKHMETSHIN	04B	PL B580 119	R.R. Akhmetshin *et al.*	(Novosibirsk CMD-2 Collab.)
AMSLER	04	PRPL 389 61	C. Amsler, N.A. Tornqvist	
AUBERT,B	04O	PR D70 091103R	B. Aubert *et al.*	(BABAR Collab.)
AUBERT,B	04P	PR D70 092001	B. Aubert *et al.*	(BABAR Collab.)
BUGG	04C	PRPL 397 257	D.V. Bugg	
BUGG	04D	EPJ C37 433	D.V. Bugg	
FARIBORZ	04	IJMP A19 2095	A.H. Fariborz	
KALOSHIN	04	EPJ A20 475	A.E. Kaloshin *et al.*	
LINK	04	PL B585 200	J.M. Link *et al.*	(FNAL FOCUS Collab.)
MAIANI	04A	PRL 93 212002	L. Maiani *et al.*	
NAPSUCIALE	04	PL B603 195	M. Napsuciale, S. Rodriguez	(GUAN)
NAPSUCIALE	04A	PR D70 094043	N.N. Napsuciale, S. Rodriguez	
PELAEZ	04	PRL 92 102001	J.R. Pelaez	
PRAKHOV	04	PR C69 042202R	S. Prakhov *et al.*	(BNL Crystal Ball Collab.)
PRAKHOV	04A	PR C69 045202	S. Prakhov *et al.*	
PRAKHOV	04B	PR C70 034605	S. Prakhov *et al.*	
TESHIMA	04	JPG 30 663	T. Teshima *et al.*	
VANBEVEREN	04	MPL A19 1949	E. van Beveren, G. Rupp	
ZHENG	04	NP A733 235	H.Q. Zheng *et al.*	
ABDEL-REHIM	03	PR D67 054001	A. Abdel-Rehim *et al.*	
ABDEL-REHIM	03B	PR D68 013008	A. Abdel-Rehim *et al.*	
BOGLIONE	03	EPJ C30 503	M. Boglione, M.R. Pennington	
ISHIDA	03	PTPS 149 190	M. Ishida	
KAMINSKI	03	PL B551 241	R. Kaminski, L. Lesniak, B. Loiseau	
OLLER	03B	NP A714 161	J.A. Oller *et al.*	
SCADRON	03	NP A724 391	M.D. Scadron *et al.*	
SEMENOV	03	PAN 66 526	S.V. Semenov	
		Translated from YAF 66 553.		

ACHASOV	02F	PL B537 201	M.N. Achasov *et al.*	(Novosibirsk SND Collab.)
AITALA	02	PRL 89 121801	E.M. Aitala *et al.*	(FNAL E791 Collab.)
ALOISIO	02C	PL B536 209	A. Aloisio *et al.*	(KLOE Collab.)
ALOISIO	02D	PL B537 21	A. Aloisio *et al.*	(KLOE Collab.)
BLACK	02	PRL 88 181603	D. Black, M. Harada, J. Schechter	
BOGLIONE	02	PR D65 114010	M. Boglione, M.R. Pennington	
BRAMON	02	EPJ C26 253	A. Bramon *et al.*	
CLOSE	02B	JPG 28 R249	F.E. Close, N. Tornqvist	
GARMASH	02	PR D65 092005	A. Garmash *et al.*	(BELLE Collab.)
HE	02	PL B536 59	J. He, Z.G. Xiao, H.Q. Zheng	
HERNANDEZ	02	PR C66 065201	E. Hernandez, E. Oset, M.J. Vicente Vacas	
ISHIDA	02	PL B539 249	S. Ishida, M. Ishida	
KAMINSKI	02	EPJ Direct C4 1	R. Kaminski, L. Lesniak, K. Rybicki	
LINK	02	PL B525 205	J.M. Link *et al.*	(FNAL FOCUS Collab.)
LINK	02E	PL B535 43	J.M. Link *et al.*	(FNAL FOCUS Collab.)
TESHIMA	02	JPG 28 1391	T. Teshima, I. Kitamura, N. Morisita	
VANBEVEREN	02	MPL A17 1673	E. van Beveren *et al.*	
ABELE	01	EPJ C19 667	A. Abele *et al.*	(Crystal Barrel Collab.)
ABELE	01B	EPJ C21 261	A. Abele *et al.*	(Crystal Barrel Collab.)
CHERRY	01	NP A688 823	S.N. Cherry, M.R. Pennington	
CLOSE	01B	EPJ C21 531	F.E. Close, A. Kirk	
DEANDREA	01	PL B502 79	A. Deandrea *et al.*	
FAZIO	01	PL B521 15	F. De Fazio, M.R. Pennington	
GOKALP	01	PR D64 053017	A. Gokalp, O. Yilmaz	
KOPP	01	PR D63 092001	S. Kopp *et al.*	(CLEO Collab.)
LI	01	JPG 27 807	D.-M. Li, H. Yu, Q.-X. Shen	
NARISON	01C	NPBPS 96 244	S. Narison	
SHAKIN	01	PR D63 014019	C.M. Shakin, H. Wang	
VANBEVEREN	01B	EPJ C22 493	E. van Beveren	
XIAO	01	NP A695 273	Z. Xiao, H. Zheng	
ACHASOV	00F	PL B479 53	M.N. Achasov *et al.*	(Novosibirsk SND Collab.)
ACHASOV	00H	PL B485 349	M.N. Achasov *et al.*	(Novosibirsk SND Collab.)
ALFORD	00	NP B578 367	M. Alford, R.L. Jaffe	
BARBERIS	00C	PL B471 440	D. Barberis *et al.*	(WA 102 Collab.)
BARBERIS	00E	PL B479 59	D. Barberis *et al.*	(WA 102 Collab.)
BLACK	00B	PR D61 074030	D. Black, A. Fariborz, J. Schechter	
FANG	00	NP A671 416	Fang Shi *et al.*	
JAMIN	00	NP B587 331	M. Jamin *et al.*	
KAMINSKI	00	APP B31 895	R. Kaminski, L. Lesniak, K. Rybicki	
MONTANET	00	NPBPS 86 381	L. Montanet	
ABREU	99J	PL B449 364	P. Abreu *et al.*	(DELPHI Collab.)
AKHMETSHIN	99B	PL B462 371	R.R. Akhmetshin *et al.*	(Novosibirsk CMD-2 Collab.)
BARBERIS	99D	PL B462 462	D. Barberis *et al.*	(Omega Expt.)
BLACK	99	PR D59 074026	D. Black *et al.*	
DELBOURGO	99	PL B446 332	R. Delbourgo, D. Liu, M. Scadron	
IGI	99	PR D59 034005	K. Igi, K. Hikasa	
ISHIDA	99	PTP 101 661	M. Ishida	
LUCIO	99	PL B454 365	J.L. Lucio, M. Napsuciale	
MINKOWSKI	99	EPJ C9 283	P. Minkowski, W. Ochs	
SCADRON	99	EPJ C6 141	M. Scadron	
TAKAMATSU	99	PAN 62 435	K. Takamatsu	
TORNQVIST	99	EPJ C11 359	N. Tornqvist	
VANBEVEREN	99	EPJ C10 469	E. van Beveren, G. Rupp	
ABELE	98	PR D57 3860	A. Abele *et al.*	(Crystal Barrel Collab.)
ACHASOV	98E	PR D58 054011	N.N. Achasov, G.N. Shestakov	
ACKERSTAFF	98A	EPJ C5 411	K. Ackerstaff *et al.*	(OPAL Collab.)
ANISOVICH	98	PL B437 209	V.V. Anisovich *et al.*	
BARBERIS	98C	PL B440 225	D. Barberis *et al.*	(WA 102 Collab.)
DELBOURGO	98	IJMP A13 657	R. Delbourgo *et al.*	
OLLER	98	PRL 80 3452	J.A. Oller *et al.*	
ANISOVICH	97	PL B395 123	A.V. Anisovich, A.V. Sarantsev	(PNPI)
ANISOVICH	97C	PL B413 137	A.V. Anisovich, A.V. Sarantsev	
ANISOVICH	97D	ZPHY A359 173	A.V. Anisovich, V.V. Anisovich, A.V. Sarantsev	
HARADA	97	PRL 78 1603	M. Harada, F. Sannino, J. Schechter	
ISHIDA	97B	PTP 98 621	S. Ishida *et al.*	
KAMINSKI	97	ZPHY C74 79	R. Kaminski, L. Lesniak, K. Rybicki	(CRAC)
MALTMAN	97	PL B393 19	K. Maltman, C.E. Wolfe	(YORKC)
OLLER	97	NP A620 438	J.A. Oller *et al.*	(VALE)
SVEC	97	PR D55 4355	M. Svec	
SVEC	97B	PR D55 5727	M. Svec	(MCGI)
ABELE	96	PL B380 453	A. Abele *et al.*	(Crystal Barrel Collab.)

AMSLER	96	PR D53 295	C. Amsler, F.E. Close	(ZURI, RAL)
BIJNENS	96	PL B374 210	J. Bijnens *et al.*	(NORD, BERN, WIEN+)
BONUTTI	96	PRL 77 603	F. Bonutti *et al.*	(TRSTI, TRSTT, TRIU)
BUGG	96	NP B471 59	D.V. Bugg, A.V. Sarantsev, B.S. Zou	(LOQM, PNPI)
HARADA	96	PR D54 1991	M. Harasa *et al.*	(SYRA)
ISHIDA	96	PTP 95 745	S. Ishida *et al.*	(TOKY, MIYA, KEK)
AMSLER	95C	PL B353 571	C. Amsler *et al.*	(Crystal Barrel Collab.)
ANTINORI	95	PL B353 589	F. Antinori *et al.*	(ATHU, BARI, BIRM+)
GASPERO	95	NP A588 861	M. Gaspero	(ROMA)
TORNQVIST	95	ZPHY C68 647	N.A. Tornqvist	(HELS)
AMSLER	94	PL B322 431	C. Amsler *et al.*	(Crystal Barrel Collab.)
BUGG	94	PR D50 4412	D.V. Bugg *et al.*	(LOQM)
ZOU	94	PL B329 519	Y. Zou *et al.*	(RUTG, MINN, MICH)
ADAMO	93	NP A558 13C	A. Adamo *et al.*	(OBELIX Collab.)
GASPERO	93	NP A562 407	M. Gaspero	(ROMAI)
MORGAN	93	PR D48 1185	D. Morgan, M.R. Pennington	(RAL, DURH)
Also		NC A Conf. Suppl.	D. Morgan	(RAL)
BOLTON	92B	PRL 69 1328	T. Bolton *et al.*	(Mark III Collab.)
SVEC	92	PR D45 55	M. Svec, A. de Lesquen, L. van Rossum	(MCGI+)
SVEC	92B	PR D45 1518	M. Svec, A. de Lesquen, L. van Rossum	(MCGI+)
SVEC	92C	PR D46 949	M. Svec, A. de Lesquen, L. van Rossum	(MCGI+)
BERNARD	91	PR D43 2757	V. Bernard, N. Kaiser, U.G. Meissner	
LI	91	PR D43 2161	Z.P. Li *et al.*	(TENN)
RIGGENBACH	91	PR D43 127	C. Riggenbach *et al.*	(BERN, CERN, MASA)
BAI	90C	PRL 65 2507	Z. Bai *et al.*	(Mark III Collab.)
LOHSE	90	PL B234 235	D. Lohse *et al.*	
WEINSTEIN	90	PR D41 2236	J. Weinstein, N. Isgur	(TNTO)
ASTON	88D	NP B301 525	D. Aston *et al.*	(SLAC, NAGO, CINC, INUS)
BARNES	85	PL B165 434	T. Barnes	
ACHASOV	84	ZPHY C22 53	N.N. Achasov, S.A. Devyanin, G.N. Shestakov	(NOVM)
GASSER	84	ANP 158 142	J. Gasser, H. Leutwyler	
TORNQVIST	82	PRL 49 624	N.A. Tornqvist	(HELS)
COSTA	80	NP B175 402	G. Costa *et al.*	(BARI, BONN, CERN, GLAS+)
BECKER	79B	NP B150 301	H. Becker *et al.*	(MPIM, CERN, ZEEM, CRAC)
MARTIN	79	NP B158 520	A.D. Martin, E.N. Ozmutlu	(DURH) IJP
NAGELS	79	PR D20 1633	M.M. Nagels, T.A. Rijken, J.J. de Swart	(NIJM)
POLYCHRO...	79	PR D19 1317	V.A. Polychronakos *et al.*	(NDAM, ANL) IJP
CORDEN	78	NP B144 253	M.J. Corden *et al.*	(BIRM, RHEL, TELA+)
ESTABROOKS	78	NP B133 490	P.G. Estabrooks *et al.*	(MCGI, CARL, DURH+)
JAFFE	77	PR D15 267,281	R. Jaffe	(MIT)
FLATTE	76	PL 63B 224	S.M. Flatte	(CERN)
WETZEL	76	NP B115 208	W. Wetzel *et al.*	(ETH, CERN, LOIC)
DEFOIX	72	NP B44 125	C. Defoix *et al.*	(CDEF, CERN)
ADLER	65	PR 137 B1022	S.L. Adler	
ADLER	65A	PR 139 B1638	S.L. Adler	