

Reference = AULCHENKO 15A; JETP 121 27
Verifier code = DRUZHININ

PLEASE READ NOW

*PLEASE
REPLY
WITHIN
ONE WEEK*

Normally we send all verifications for one experiment to one person, usually the spokesperson or data-analysis coordinator, who then distributes them to the appropriate people. Please tell us if we should send the verifications for your experiment to someone else.

Vladimir P. Druzhinin

EMAIL: v.p.druzhinin@inp.nsk.su

July 21, 2016

Dear Colleague,

- (1) Please check the results of your experiment carefully. They are marked.
- (2) Please reply within one week.
- (3) Please reply even if everything is correct.
- (4) IMPORTANT!! Please tell WHICH papers you are verifying. We have lots of requests out.
- (5) Feel free to make comments on our treatment of any of the results (not just yours) you see.

Thank you for helping us make the Review accurate and useful.

Sincerely,

Simon Eidelman
BINP, Budker Inst. of Nuclear Physics
Prospekt Lavrent'eva 11
RU-630090 Novosibirsk
Russian Federation

EMAIL: simon.eidelman@cern.ch

LIGHT UNFLAVORED MESONS

($S = C = B = 0$)

For $I = 1$ (π, b, ρ, a): $u\bar{d}, (u\bar{u}-d\bar{d})/\sqrt{2}, d\bar{u};$
 for $I = 0$ ($\eta, \eta', h, h', \omega, \phi, f, f'$): $c_1(u\bar{u} + d\bar{d}) + c_2(s\bar{s})$

$\omega(1420)$

$$I^G(J^{PC}) = 0^-(1^--)$$

NODE=MXXX005

NODE=MXXX005

NODE=M125

$\omega(1420)$ MASS

NODE=M125M

NODE=M125M

→ UNCHECKED ←

VALUE (MeV)	EVTS	DOCUMENT ID	TECN	COMMENT
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(1400–1450) OUR ESTIMATE

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

YOUR DATA	1470 ± 50	13.1k	1 AULCHENKO	15A SND	1.05–1.80 $e^+e^- \rightarrow \pi^+\pi^-\pi^0$
	1382 ± 23 ± 70		AUBERT	07AU BABR	10.6 $e^+e^- \rightarrow \omega\pi^+\pi^-\gamma$
	1350 ± 20 ± 20		AUBERT,B	04N BABR	10.6 $e^+e^- \rightarrow \pi^+\pi^-\pi^0\gamma$
	1400 ± 50 ± 130	1.2M	2 ACHASOV	03D RVUE	0.44–2.00 $e^+e^- \rightarrow \pi^+\pi^-\pi^0$
	1450 ± 10		3 HENNER	02 RVUE	1.2–2.0 $e^+e^- \rightarrow \rho\pi, \omega\pi\pi$
	1373 ± 70	177	4 AKHMETSHIN	00D CMD2	1.2–1.38 $e^+e^- \rightarrow \omega\pi^+\pi^-$
	1370 ± 25	5095	ANISOVICH	00H SPEC	0.0 $p\bar{p} \rightarrow \omega\pi^0\pi^0\pi^0$
	1400 ⁺¹⁰⁰ _{–200}		5 ACHASOV	98H RVUE	$e^+e^- \rightarrow \pi^+\pi^-\pi^0$
~ 1400			6 ACHASOV	98H RVUE	$e^+e^- \rightarrow \omega\pi^+\pi^-$
~ 1460			7 ACHASOV	98H RVUE	$e^+e^- \rightarrow K^+K^-$
	1440 ± 70		8 CLEGG	94 RVUE	
	1419 ± 31	315	9 ANTONELLI	92 DM2	1.34–2.4 $e^+e^- \rightarrow \rho\pi$

OCCUR=2

OCCUR=3

YOUR NOTE

- ¹ From a fit with contributions from $\omega(782)$, $\phi(1020)$, $\omega(1420)$, and $\omega(1650)$.
- ² From the combined fit of ANTONELLI 92, ACHASOV 01E, ACHASOV 02E, and ACHASOV 03D data on the $\pi^+\pi^-\pi^0$ and ANTONELLI 92 on the $\omega\pi^+\pi^-$ final states. Supersedes ACHASOV 99E and ACHASOV 02E.
- ³ Using results of CORDIER 81 and preliminary data of DOLINSKY 91 and ANTONELLI 92.
- ⁴ Using the data of AKHMETSHIN 00D and ANTONELLI 92. The $\rho\pi$ dominance for the energy dependence of the $\omega(1420)$ and $\omega(1650)$ width assumed.
- ⁵ Using data from BARKOV 87, DOLINSKY 91, and ANTONELLI 92.
- ⁶ Using the data from ANTONELLI 92.
- ⁷ Using the data from IVANOV 81 and BISELLO 88B.
- ⁸ From a fit to two Breit-Wigner functions and using the data of DOLINSKY 91 and ANTONELLI 92.
- ⁹ From a fit to two Breit-Wigner functions interfering between them and with the ω, ϕ tails with fixed (+, −, +) phases.

 NODE=M125M;LINKAGE=E
 NODE=M125M;LINKAGE=VH

NODE=M125M;LINKAGE=AB

NODE=M125M;LINKAGE=KL

 NODE=M125M;LINKAGE=L1
 NODE=M125M;LINKAGE=L2
 NODE=M125M;LINKAGE=L3
 NODE=M125M;LINKAGE=AD

NODE=M125M;LINKAGE=B

$\omega(1420)$ WIDTH

NODE=M125W

NODE=M125W

→ UNCHECKED ←

VALUE (MeV)	EVTS	DOCUMENT ID	TECN	COMMENT
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(180–250) OUR ESTIMATE

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

YOUR DATA	880 ± 170	13.1k	10 AULCHENKO	15A SND	1.05–1.80 $e^+e^- \rightarrow \pi^+\pi^-\pi^0$
	130 ± 50 ± 100		AUBERT	07AU BABR	10.6 $e^+e^- \rightarrow \omega\pi^+\pi^-\gamma$
	450 ± 70 ± 70		AUBERT,B	04N BABR	10.6 $e^+e^- \rightarrow \pi^+\pi^-\pi^0\gamma$
	870 ⁺⁵⁰⁰ _{–300} ± 450	1.2M	11 ACHASOV	03D RVUE	0.44–2.00 $e^+e^- \rightarrow \pi^+\pi^-\pi^0$
	199 ± 15		12 HENNER	02 RVUE	1.2–2.0 $e^+e^- \rightarrow \rho\pi, \omega\pi\pi$
	188 ± 45	177	13 AKHMETSHIN	00D CMD2	1.2–1.38 $e^+e^- \rightarrow \omega\pi^+\pi^-$
	360 ⁺¹⁰⁰ _{–60}	5095	ANISOVICH	00H SPEC	0.0 $p\bar{p} \rightarrow \omega\pi^0\pi^0\pi^0$
	240 ± 70		14 CLEGG	94 RVUE	
	174 ± 59	315	15 ANTONELLI	92 DM2	1.34–2.4 $e^+e^- \rightarrow \rho\pi$

YOUR NOTE

- ¹⁰ From a fit with contributions from $\omega(782)$, $\phi(1020)$, $\omega(1420)$, and $\omega(1650)$.
- ¹¹ From the combined fit of ANTONELLI 92, ACHASOV 01E, ACHASOV 02E, and ACHASOV 03D data on the $\pi^+\pi^-\pi^0$ and ANTONELLI 92 on the $\omega\pi^+\pi^-$ final states. Supersedes ACHASOV 99E and ACHASOV 02E.
- ¹² Using results of CORDIER 81 and preliminary data of DOLINSKY 91 and ANTONELLI 92.
- ¹³ Using the data of AKHMETSHIN 00D and ANTONELLI 92. The $\rho\pi$ dominance for the energy dependence of the $\omega(1420)$ and $\omega(1650)$ width assumed.
- ¹⁴ From a fit to two Breit-Wigner functions and using the data of DOLINSKY 91 and ANTONELLI 92.
- ¹⁵ From a fit to two Breit-Wigner functions interfering between them and with the ω, ϕ tails with fixed (+, -, +) phases.

NODE=M125W;LINKAGE=E
 NODE=M125W;LINKAGE=VH

NODE=M125W;LINKAGE=AB

NODE=M125W;LINKAGE=KL

NODE=M125W;LINKAGE=AD

NODE=M125W;LINKAGE=B

$\omega(1420) \Gamma(i) \Gamma(e^+e^-) / \Gamma^2(\text{total})$

$\Gamma(\rho\pi) / \Gamma_{\text{total}} \times \Gamma(e^+e^-) / \Gamma_{\text{total}}$

$\Gamma_1 / \Gamma \times \Gamma_4 / \Gamma$

VALUE (units 10^{-6}) EVTS DOCUMENT ID TECN COMMENT

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

YOUR DATA

0.73 ± 0.08	13.1k	¹⁶ AULCHENKO	15A	SND	1.05–1.80 $e^+e^- \rightarrow \pi^+\pi^-\pi^0$
0.82 ± 0.05 ± 0.06		AUBERT,B	04N	BABR	10.6 $e^+e^- \rightarrow \pi^+\pi^-\pi^0\gamma$
0.65 ± 0.13 ± 0.21	1.2M	^{17,18} ACHASOV	03D	RVUE	0.44–2.00 $e^+e^- \rightarrow \pi^+\pi^-\pi^0$
0.625 ± 0.160		^{19,20} CLEGG	94	RVUE	
0.466 ± 0.178		^{21,22} ANTONELLI	92	DM2	1.34–2.4 $e^+e^- \rightarrow \rho\pi$

YOUR NOTE

- ¹⁶ From a fit with contributions from $\omega(782)$, $\phi(1020)$, $\omega(1420)$, and $\omega(1650)$.
- ¹⁷ Calculated by us from the cross section at the peak.
- ¹⁸ From the combined fit of ANTONELLI 92, ACHASOV 01E, ACHASOV 02E, and ACHASOV 03D data on the $\pi^+\pi^-\pi^0$ and ANTONELLI 92 on the $\omega\pi^+\pi^-$ final states. Supersedes ACHASOV 99E and ACHASOV 02E.
- ¹⁹ From a fit to two Breit-Wigner functions and using the data of DOLINSKY 91 and ANTONELLI 92.
- ²⁰ From the partial and leptonic width given by the authors.
- ²¹ From a fit to two Breit-Wigner functions interfering between them and with the ω, ϕ tails with fixed (+, -, +) phases.
- ²² From the product of the leptonic width and partial branching ratio given by the authors.

NODE=M125G3;LINKAGE=A
 NODE=M125G;LINKAGE=AW
 NODE=M125G;LINKAGE=VH

NODE=M125G;LINKAGE=AD

NODE=M125G;LINKAGE=SE
 NODE=M125G;LINKAGE=A

NODE=M125G;LINKAGE=ES

$\omega(1420)$ REFERENCES

YOUR PAPER

AULCHENKO	15A	JETP 121 27	V.M. Aulchenko <i>et al.</i>	(SND Collab.)
		Translated from ZETF 148 34.		
AUBERT	07AU	PR D76 092005	B. Aubert <i>et al.</i>	(BABAR Collab.)
AUBERT,B	04N	PR D70 072004	B. Aubert <i>et al.</i>	(BABAR Collab.)
ACHASOV	03D	PR D68 052006	M.N. Achasov <i>et al.</i>	(Novosibirsk SND Collab.)
ACHASOV	02E	PR D66 032001	M.N. Achasov <i>et al.</i>	(Novosibirsk SND Collab.)
HENNER	02	EPJ C26 3	V.K. Henner <i>et al.</i>	
ACHASOV	01E	PR D63 072002	M.N. Achasov <i>et al.</i>	(Novosibirsk SND Collab.)
AKHMETSHIN	00D	PL B489 125	R.R. Akhmetshin <i>et al.</i>	(Novosibirsk CMD-2 Collab.)
ANISOVICH	00H	PL B485 341	A.V. Anisovich <i>et al.</i>	
ACHASOV	99E	PL B462 365	M.N. Achasov <i>et al.</i>	(Novosibirsk SND Collab.)
ACHASOV	98H	PR D57 4334	N.N. Achasov, A.A. Kozhevnikov	
CLEGG	94	ZPHY C62 455	A.B. Clegg, A. Donnachie	(LANC, MCHS)
ANTONELLI	92	ZPHY C56 15	A. Antonelli <i>et al.</i>	(DM2 Collab.)
DOLINSKY	91	PRPL 202 99	S.I. Dolinsky <i>et al.</i>	(NOVO)
BISELLO	88B	ZPHY C39 13	D. Bisello <i>et al.</i>	(PADO, CLER, FRAS+)
BARKOV	87	JETPL 46 164	L.M. Barkov <i>et al.</i>	(NOVO)
		Translated from ZETFP 46 132.		
CORDIER	81	PL 106B 155	A. Cordier <i>et al.</i>	(ORSAY)
IVANOV	81	PL 107B 297	P.M. Ivanov <i>et al.</i>	(NOVO)

NODE=M125

REFID=56843

REFID=52049
 REFID=50184
 REFID=49577
 REFID=48815
 REFID=49177
 REFID=48311
 REFID=47935
 REFID=47948
 REFID=47391
 REFID=46323
 REFID=44081
 REFID=43168
 REFID=41369
 REFID=40581
 REFID=40280

REFID=21586
 REFID=20553
 NODE=M126

$\omega(1650)$

$$I^G(J^{PC}) = 0^-(1^--)$$

$\omega(1650)$ MASS

VALUE (MeV) EVTS DOCUMENT ID TECN COMMENT

1670 ± 30 OUR ESTIMATE

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

YOUR DATA

1680 ± 10	13.1k	¹ AULCHENKO	15A	SND	1.05–1.80 $e^+e^- \rightarrow \pi^+\pi^-\pi^0$
1667 ± 13 ± 6		AUBERT	07AU	BABR	10.6 $e^+e^- \rightarrow \omega\pi^+\pi^-\gamma$
1645 ± 8	13	AUBERT	06D	BABR	10.6 $e^+e^- \rightarrow \omega\eta\gamma$
1660 ± 10 ± 2		AUBERT,B	04N	BABR	10.6 $e^+e^- \rightarrow \pi^+\pi^-\pi^0\gamma$

NODE=M126M

NODE=M126M
 → UNCHECKED ←

1770± 50±60	1.2M	² ACHASOV	03D	RVUE	0.44–2.00 $e^+e^- \rightarrow \pi^+\pi^-\pi^0$	
1619± 5		³ HENNER	02	RVUE	1.2–2.0 $e^+e^- \rightarrow \rho\pi$,	
1700± 20		EUGENIO	01	SPEC	18 $\pi^-p \rightarrow \omega\eta n$	
1705± 26	612	⁴ AKHMETSHIN	00D	CMD2	$e^+e^- \rightarrow \omega\pi^+\pi^-$	OCCUR=2
1820 ⁺¹⁹⁰ ₋₁₅₀		⁵ ACHASOV	98H	RVUE	$e^+e^- \rightarrow \pi^+\pi^-\pi^0$	
1840 ⁺¹⁰⁰ ₋₇₀		⁶ ACHASOV	98H	RVUE	$e^+e^- \rightarrow \omega\pi^+\pi^-$	OCCUR=2
1780 ⁺¹⁷⁰ ₋₃₀₀		⁷ ACHASOV	98H	RVUE	$e^+e^- \rightarrow K^+K^-$	OCCUR=3
~ 2100		⁸ ACHASOV	98H	RVUE	$e^+e^- \rightarrow K_S^0 K^\pm \pi^\mp$	OCCUR=4
1606± 9		⁹ CLEGG	94	RVUE		OCCUR=5
1662± 13	750	¹⁰ ANTONELLI	92	DM2	1.34–2.4 $e^+e^- \rightarrow \rho\pi$,	OCCUR=4
1670± 20		ATKINSON	83B	OMEG	20–70 $\gamma p \rightarrow 3\pi X$	
1657± 13		CORDIER	81	DM1	$e^+e^- \rightarrow \omega 2\pi$	
1679± 34	21	ESPOSITO	80	FRAM	$e^+e^- \rightarrow 3\pi$	
1652± 17		COSME	79	OSPK	$e^+e^- \rightarrow 3\pi$	

YOUR NOTE

- From a fit with contributions from $\omega(782)$, $\phi(1020)$, $\omega(1420)$, and $\omega(1650)$.
- From the combined fit of ANTONELLI 92, ACHASOV 01E, ACHASOV 02E, and ACHASOV 03D data on the $\pi^+\pi^-\pi^0$ and ANTONELLI 92 on the $\omega\pi^+\pi^-$ final states. Supersedes ACHASOV 99E and ACHASOV 02E.
- Using results of CORDIER 81 and preliminary data of DOLINSKY 91 and ANTONELLI 92.
- Using the data of AKHMETSHIN 00D and ANTONELLI 92. The $\rho\pi$ dominance for the energy dependence of the $\omega(1420)$ and $\omega(1650)$ width assumed.
- Using data from BARKOV 87, DOLINSKY 91, and ANTONELLI 92.
- Using the data from ANTONELLI 92.
- Using the data from IVANOV 81 and BISELLO 88B.
- Using the data from BISELLO 91C.
- From a fit to two Breit-Wigner functions and using the data of DOLINSKY 91 and ANTONELLI 92.
- From the combined fit of the $\rho\pi$ and $\omega\pi\pi$ final states.

NODE=M126M;LINKAGE=A
 NODE=M126M;LINKAGE=VH

NODE=M126M;LINKAGE=AB

NODE=M126M;LINKAGE=KI

NODE=M126M;LINKAGE=L1
 NODE=M126M;LINKAGE=L2
 NODE=M126M;LINKAGE=L3
 NODE=M126M;LINKAGE=L4
 NODE=M126M;LINKAGE=AD

NODE=M126M;LINKAGE=AE

 $\omega(1650)$ WIDTH

NODE=M126W

VALUE (MeV) EVTS DOCUMENT ID TECN COMMENT

315± 35 OUR ESTIMATE

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

NODE=M126W
 → UNCHECKED ←

YOUR DATA

310± 30	13.1k	¹¹ AULCHENKO	15A	SND	1.05–1.80 $e^+e^- \rightarrow \pi^+\pi^-\pi^0$	
222± 25± 20		AUBERT	07AU	BABR	10.6 $e^+e^- \rightarrow \omega\pi^+\pi^-\gamma$	
114± 14	13	AUBERT	06D	BABR	10.6 $e^+e^- \rightarrow \omega\eta\gamma$	
230± 30± 20		AUBERT,B	04N	BABR	10.6 $e^+e^- \rightarrow \pi^+\pi^-\pi^0\gamma$	
490 ⁺²⁰⁰ ₋₁₅₀ ±130	1.2M	¹² ACHASOV	03D	RVUE	0.44–2.00 $e^+e^- \rightarrow \pi^+\pi^-\pi^0$	
250± 14		¹³ HENNER	02	RVUE	1.2–2.0 $e^+e^- \rightarrow \rho\pi, \omega\pi\pi$	
250± 50		EUGENIO	01	SPEC	18 $\pi^-p \rightarrow \omega\eta n$	
370± 25	612	¹⁴ AKHMETSHIN	00D	CMD2	$e^+e^- \rightarrow \omega\pi^+\pi^-$	OCCUR=2
113± 20		¹⁵ CLEGG	94	RVUE		OCCUR=5
280± 24	750	¹⁶ ANTONELLI	92	DM2	1.34–2.4 $e^+e^- \rightarrow \rho\pi, \omega\pi\pi$	OCCUR=4
160± 20		ATKINSON	83B	OMEG	20–70 $\gamma p \rightarrow 3\pi X$	
136± 46		CORDIER	81	DM1	$e^+e^- \rightarrow \omega 2\pi$	
99± 49	21	ESPOSITO	80	FRAM	$e^+e^- \rightarrow 3\pi$	
42± 17		COSME	79	OSPK	$e^+e^- \rightarrow 3\pi$	

YOUR NOTE

- From a fit with contributions from $\omega(782)$, $\phi(1020)$, $\omega(1420)$, and $\omega(1650)$.
- From the combined fit of ANTONELLI 92, ACHASOV 01E, ACHASOV 02E, and ACHASOV 03D data on the $\pi^+\pi^-\pi^0$ and ANTONELLI 92 on the $\omega\pi^+\pi^-$ final states. Supersedes ACHASOV 99E and ACHASOV 02E.
- Using results of CORDIER 81 and preliminary data of DOLINSKY 91 and ANTONELLI 92.
- Using the data of AKHMETSHIN 00D and ANTONELLI 92. The $\rho\pi$ dominance for the energy dependence of the $\omega(1420)$ and $\omega(1650)$ width assumed.
- From a fit to two Breit-Wigner functions and using the data of DOLINSKY 91 and ANTONELLI 92.
- From the combined fit of the $\rho\pi$ and $\omega\pi\pi$ final states.

NODE=M126W;LINKAGE=A
 NODE=M126W;LINKAGE=VH

NODE=M126W;LINKAGE=AB

NODE=M126W;LINKAGE=KI

NODE=M126W;LINKAGE=AD

NODE=M126W;LINKAGE=AE

$\omega(1650) \Gamma(i) \Gamma(e^+ e^-) / \Gamma^2(\text{total})$

NODE=M126230

$\Gamma(\rho\pi) / \Gamma_{\text{total}} \times \Gamma(e^+ e^-) / \Gamma_{\text{total}}$ $\Gamma_1 / \Gamma \times \Gamma_4 / \Gamma$

VALUE (units 10 ⁻⁶)	EVTS	DOCUMENT ID	TECN	COMMENT
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NODE=M126G3
NODE=M126G3

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

YOUR DATA	1.56 ±0.23	13.1k	17 AULCHENKO	15A	SND	1.05–1.80 $e^+ e^- \rightarrow \pi^+ \pi^- \pi^0$
	1.3 ±0.1 ±0.1		AUBERT,B	04N	BABR	10.6 $e^+ e^- \rightarrow \pi^+ \pi^- \pi^0 \gamma$
	1.2 $^{+0.4}_{-0.1}$ ±0.8	1.2M	18,19 ACHASOV	03D	RVUE	0.44–2.00 $e^+ e^- \rightarrow \pi^+ \pi^- \pi^0$
	0.921±0.230		20,21 CLEGG	94	RVUE	
	0.479±0.050	750	22,23 ANTONELLI	92	DM2	1.34–2.4 $e^+ e^- \rightarrow \rho\pi, \omega\pi\pi$

- YOUR NOTE
- 17 From a fit with contributions from $\omega(782)$, $\phi(1020)$, $\omega(1420)$, and $\omega(1650)$.
 - 18 Calculated by us from the cross section at the peak.
 - 19 From the combined fit of ANTONELLI 92, ACHASOV 01E, ACHASOV 02E, and ACHASOV 03D data on the $\pi^+ \pi^- \pi^0$ and ANTONELLI 92 on the $\omega \pi^+ \pi^-$ final states. Supersedes ACHASOV 99E and ACHASOV 02E.
 - 20 From a fit to two Breit-Wigner functions and using the data of DOLINSKY 91 and ANTONELLI 92.
 - 21 From the partial and leptonic width given by the authors.
 - 22 From the combined fit of the $\rho\pi$ and $\omega\pi\pi$ final states.
 - 23 From the product of the leptonic width and partial branching ratio given by the authors.

NODE=M126G3;LINKAGE=A
NODE=M126G;LINKAGE=AW
NODE=M126G;LINKAGE=VH

NODE=M126G;LINKAGE=AD

NODE=M126G;LINKAGE=SE
NODE=M126G;LINKAGE=AE
NODE=M126G;LINKAGE=ES

$\omega(1650)$ REFERENCES

NODE=M126

YOUR PAPER	AULCHENKO	15A	JETP 121 27	V.M. Aulchenko <i>et al.</i>	(SND Collab.)
			Translated from ZETF 148 34.		
	AUBERT	07AU	PR D76 092005	B. Aubert <i>et al.</i>	(BABAR Collab.)
	AUBERT	06D	PR D73 052003	B. Aubert <i>et al.</i>	(BABAR Collab.)
	AUBERT,B	04N	PR D70 072004	B. Aubert <i>et al.</i>	(BABAR Collab.)
	ACHASOV	03D	PR D68 052006	M.N. Achasov <i>et al.</i>	(Novosibirsk SND Collab.)
	ACHASOV	02E	PR D66 032001	M.N. Achasov <i>et al.</i>	(Novosibirsk SND Collab.)
	HENNER	02	EPJ C26 3	V.K. Henner <i>et al.</i>	
	ACHASOV	01E	PR D63 072002	M.N. Achasov <i>et al.</i>	(Novosibirsk SND Collab.)
	EUGENIO	01	PL B497 190	P. Eugenio <i>et al.</i>	
	AKHMETSHIN	00D	PL B489 125	R.R. Akhmetshin <i>et al.</i>	(Novosibirsk CMD-2 Collab.)
	ACHASOV	99E	PL B462 365	M.N. Achasov <i>et al.</i>	(Novosibirsk SND Collab.)
	ACHASOV	98H	PR D57 4334	N.N. Achasov, A.A. Kozhevnikov	
	CLEGG	94	ZPHY C62 455	A.B. Clegg, A. Donnachie	(LANC, MCHS)
	ANTONELLI	92	ZPHY C56 15	A. Antonelli <i>et al.</i>	(DM2 Collab.)
	BISELLO	91C	ZPHY C52 227	D. Bisello <i>et al.</i>	(DM2 Collab.)
	DOLINSKY	91	PRPL 202 99	S.I. Dolinsky <i>et al.</i>	(NOVO)
	BISELLO	88B	ZPHY C39 13	D. Bisello <i>et al.</i>	(PADO, CLER, FRAS+)
	BARKOV	87	JETPL 46 164	L.M. Barkov <i>et al.</i>	(NOVO)
			Translated from ZETFP 46 132.		
	ATKINSON	83B	PL 127B 132	M. Atkinson <i>et al.</i>	(BONN, CERN, GLAS+)
	CORDIER	81	PL 106B 155	A. Cordier <i>et al.</i>	(ORSAY)
	IVANOV	81	PL 107B 297	P.M. Ivanov <i>et al.</i>	(NOVO)
	ESPOSITO	80	LNC 28 195	B. Esposito <i>et al.</i>	(FRAS, NAPL, PADO+)
	COSME	79	NP B152 215	G. Cosme <i>et al.</i>	(IPN)

REFID=56843

REFID=52049
REFID=51047
REFID=50184
REFID=49577
REFID=48815
REFID=49177
REFID=48311
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REFID=40581
REFID=40280

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REFID=21475