

$\omega\pi$ MODE

<u>VALUE (MeV)</u>	<u>EVTS</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
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The data in this block is included in the average printed for a previous datablock.

$1582 \pm 17 \pm 25$	2382	³ AKHMETSHIN 03B	CMD2	$e^+e^- \rightarrow \pi^0\pi^0\gamma$
1523 ± 10		⁴ EDWARDS	00A CLE2	$\tau^- \rightarrow \omega\pi^-\nu_\tau$
1463 ± 25		⁵ CLEGG	94 RVUE	

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

$1349 \pm 25 \begin{smallmatrix} +10 \\ -5 \end{smallmatrix}$	341	⁶ ALEXANDER	01B CLE2	$B \rightarrow D^{(*)}\omega\pi^-$
1250		⁷ ASTON	80C OMEG	$20-70 \gamma p \rightarrow \omega\pi^0 p$
1290 ± 40		⁷ BARBER	80C SPEC	$3-5 \gamma p \rightarrow \omega\pi^0 p$

³ Using the data of AKHMETSHIN 03B and BISELLO 91B assuming the $\omega\pi^0$ and $\pi^+\pi^-$ mass dependence of the total width. $\rho(1700)$ mass and width fixed at 1700 MeV and 240 MeV, respectively.⁴ Mass-independent width parameterization. $\rho(1700)$ mass and width fixed at 1700 MeV and 235 MeV respectively.⁵ Using data from BISELLO 91B, DOLINSKY 86 and ALBRECHT 87L.⁶ Using Breit-Wigner parameterization of the $\rho(1450)$ and assuming the $\omega\pi^-$ mass dependence for the total width.⁷ Not separated from $b_1(1235)$, not pure $J^P = 1^-$ effect. **4π MODE**

<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
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The data in this block is included in the average printed for a previous datablock.

1435 ± 40	ABELE	01B CBAR	$0.0 \bar{p}n \rightarrow 2\pi^- 2\pi^0\pi^+$
1350 ± 50	ACHASOV	97 RVUE	$e^+e^- \rightarrow 2(\pi^+\pi^-)$
1449 ± 4	⁸ ARMSTRONG	89E OMEG	$300 pp \rightarrow pp2(\pi^+\pi^-)$

⁸ Not clear whether this observation has $l=1$ or 0. **$\pi\pi$ MODE**

<u>VALUE (MeV)</u>	<u>EVTS</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
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● ● ● We do not use the following data for averages, fits, limits, etc. ● ● ●

1328 ± 15		⁹ SCHAELE	05C ALEP	$\tau^- \rightarrow \pi^-\pi^0\nu_\tau$
1406 ± 15	87k	^{10,11} ANDERSON	00A CLE2	$\tau^- \rightarrow \pi^-\pi^0\nu_\tau$
~ 1368		¹² ABELE	99C CBAR	$0.0 \bar{p}d \rightarrow \pi^+\pi^-\pi^-p$
1348 ± 33		BERTIN	98 OBLX	$0.05-0.405 \bar{p}p \rightarrow \pi^+\pi^+\pi^-$
1411 ± 14		¹³ ABELE	97 CBAR	$\bar{p}n \rightarrow \pi^-\pi^0\pi^0$
$1370 \begin{smallmatrix} +90 \\ -70 \end{smallmatrix}$		ACHASOV	97 RVUE	$e^+e^- \rightarrow \pi^+\pi^-$
1359 ± 40		¹¹ BERTIN	97C OBLX	$0.0 \bar{p}p \rightarrow \pi^+\pi^-\pi^0$
1282 ± 37		BERTIN	97D OBLX	$0.05 \bar{p}p \rightarrow 2\pi^+2\pi^-$
1424 ± 25		BISELLO	89 DM2	$e^+e^- \rightarrow \pi^+\pi^-$
1292 ± 17		¹⁴ KURDADZE	83 OLYA	$0.64-1.4 e^+e^- \rightarrow \pi^+\pi^-$

⁹ From the combined fit of the τ^- data from ANDERSON 00A and SCHAEEL 05C and e^+e^- data from the compilation of BARKOV 85, AKHMETSHIN 04, and ALOISIO 05. $\rho(1700)$ mass and width fixed at 1713 MeV and 235 MeV, respectively. Supersedes BARATE 97M.

¹⁰ From the GOUNARIS 68 parametrization of the pion form factor.

¹¹ $\rho(1700)$ mass and width fixed at 1700 MeV and 235 MeV, respectively.

¹² $\rho(1700)$ mass and width fixed at 1780 MeV and 275 MeV respectively.

¹³ T-matrix pole.

¹⁴ Using for $\rho(1700)$ mass and width 1600 ± 20 and 300 ± 10 MeV respectively.

$\phi\pi$ MODE

<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>CHG</u>	<u>COMMENT</u>
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• • • We do not use the following data for averages, fits, limits, etc. • • •

1480 ± 40	^{15,16} BITYUKOV	87	SPEC	0	$32.5 \pi^- p \rightarrow \phi \pi^0 n$
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¹⁵ DONNACHIE 91 suggests this is a different particle.

¹⁶ Not seen by ABELE 97H.

$K\bar{K}$ MODE

<u>VALUE (MeV)</u>	<u>EVTS</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>CHG</u>	<u>COMMENT</u>
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• • • We do not use the following data for averages, fits, limits, etc. • • •

1422.8 ± 6.5	27k	¹⁷ ABELE	99D	CBAR	\pm	$0.0 \bar{p} p \rightarrow K^+ K^- \pi^0$
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¹⁷ K-matrix pole. Isospin not determined, could be $\omega(1420)$.

MIXED MODES

<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
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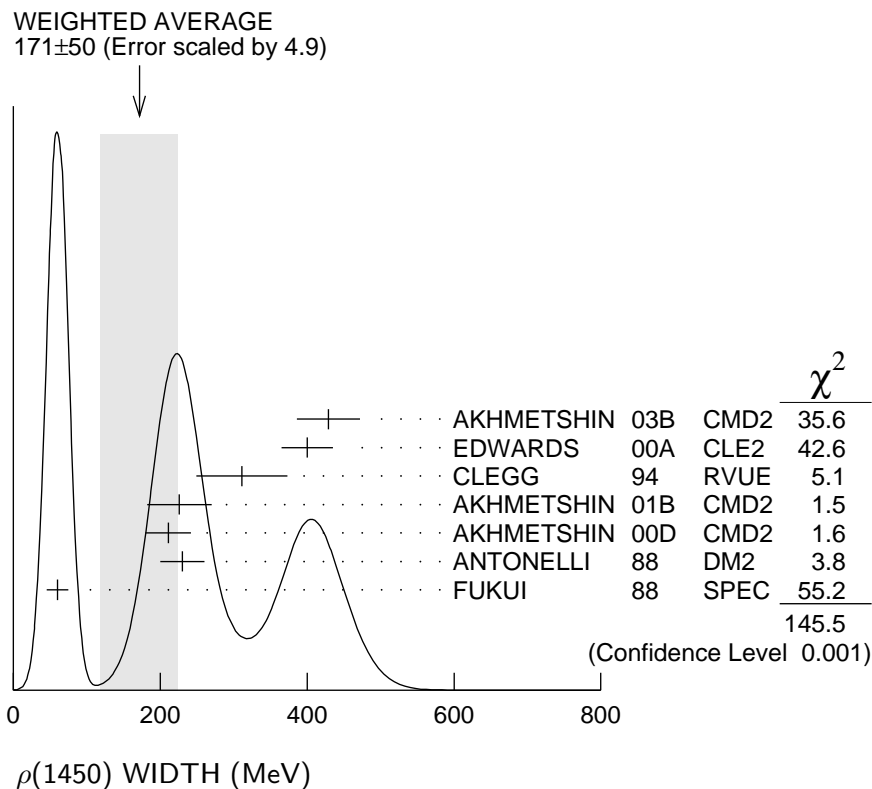
• • • We do not use the following data for averages, fits, limits, etc. • • •

1265.5 ± 75.3	DUBNICKA	89	RVUE $e^+ e^- \rightarrow \pi^+ \pi^-$
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$\rho(1450)$ WIDTH

<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>
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171 ± 50 OUR AVERAGE Includes data from the 3 datablocks that follow this one. Error includes scale factor of 4.9. See the ideogram below.



$\eta\rho^0$ MODE

VALUE (MeV) DOCUMENT ID TECN COMMENT

The data in this block is included in the average printed for a previous datablock.

226±44	18	AKHMETSHIN 01B	CMD2	$e^+e^- \rightarrow \eta\gamma$
211±31	19	AKHMETSHIN 00D	CMD2	$e^+e^- \rightarrow \eta\pi^+\pi^-$
230±30		ANTONELLI 88	DM2	$e^+e^- \rightarrow \eta\pi^+\pi^-$
60±15		FUKUI 88	SPEC	$8.95 \pi^- p \rightarrow \eta\pi^+\pi^- n$

¹⁸ Using the data of AKHMETSHIN 01B on $e^+e^- \rightarrow \eta\gamma$, AKHMETSHIN 00D and ANTONELLI 88 on $e^+e^- \rightarrow \eta\pi^+\pi^-$.

¹⁹ Using the data of ANTONELLI 88, DOLINSKY 91, and AKHMETSHIN 00D. The energy-independent width of the $\rho(1450)$ and $\rho(1700)$ mesons assumed.

$\omega\pi$ MODE

VALUE (MeV) EVTS DOCUMENT ID TECN COMMENT

The data in this block is included in the average printed for a previous datablock.

429± 42±10	2382	20	AKHMETSHIN 03B	CMD2	$e^+e^- \rightarrow \pi^0\pi^0\gamma$
400± 35		21	EDWARDS 00A	CLE2	$\tau^- \rightarrow \omega\pi^-\nu_\tau$
311± 62		22	CLEGG 94	RVUE	

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

547± 86 ⁺⁴⁶ ₋₄₅	341	23	ALEXANDER 01B	CLE2	$B \rightarrow D^{(*)}\omega\pi^-$
300		24	ASTON 80C	OMEG	$20-70 \gamma p \rightarrow \omega\pi^0 p$
320±100		24	BARBER 80C	SPEC	$3-5 \gamma p \rightarrow \omega\pi^0 p$

- ²⁰ Using the data of AKHMETSHIN 03B and BISELLO 91B assuming the $\omega\pi^0$ and $\pi^+\pi^-$ mass dependence of the total width. $\rho(1700)$ mass and width fixed at 1700 MeV and 240 MeV, respectively.
- ²¹ Mass-independent width parameterization. $\rho(1700)$ mass and width fixed at 1700 MeV and 235 MeV respectively.
- ²² Using data from BISELLO 91B, DOLINSKY 86 and ALBRECHT 87L.
- ²³ Using Breit-Wigner parameterization of the $\rho(1450)$ and assuming the $\omega\pi^-$ mass dependence for the total width.
- ²⁴ Not separated from $b_1(1235)$, not pure $J^P = 1^-$ effect.

4 π MODE

VALUE (MeV)	DOCUMENT ID	TECN	COMMENT
••• We do not use the following data for averages, fits, limits, etc. •••			
325 ± 100	ABELE	01B CBAR	$0.0 \bar{p}n \rightarrow 2\pi^- 2\pi^0 \pi^+$

$\pi\pi$ MODE

VALUE (MeV)	EVTS	DOCUMENT ID	TECN	COMMENT
••• We do not use the following data for averages, fits, limits, etc. •••				
468 ± 41		²⁵ SCHAEEL	05C ALEP	$\tau^- \rightarrow \pi^- \pi^0 \nu_\tau$
455 ± 41	87k	^{26,27} ANDERSON	00A CLE2	$\tau^- \rightarrow \pi^- \pi^0 \nu_\tau$
~ 374		²⁸ ABELE	99C CBAR	$0.0 \bar{p}d \rightarrow \pi^+ \pi^- \pi^- p$
275 ± 10		BERTIN	98 OBLX	$0.05-0.405 \bar{n}p \rightarrow \pi^+ \pi^+ \pi^-$
343 ± 20		²⁹ ABELE	97 CBAR	$\bar{p}n \rightarrow \pi^- \pi^0 \pi^0$
310 ± 40		²⁷ BERTIN	97C OBLX	$0.0 \bar{p}p \rightarrow \pi^+ \pi^- \pi^0$
236 ± 36		BERTIN	97D OBLX	$0.05 \bar{p}p \rightarrow 2\pi^+ 2\pi^-$
269 ± 31		BISELLO	89 DM2	$e^+ e^- \rightarrow \pi^+ \pi^-$
218 ± 46		³⁰ KURDADZE	83 OLYA	$0.64-1.4 e^+ e^- \rightarrow \pi^+ \pi^-$

- ²⁵ From the combined fit of the τ^- data from ANDERSON 00A and SCHAEEL 05C and $e^+ e^-$ data from the compilation of BARKOV 85, AKHMETSHIN 04, and ALOISIO 05. $\rho(1700)$ mass and width fixed at 1713 MeV and 235 MeV, respectively. Supersedes BARATE 97M.
- ²⁶ From the GOUNARIS 68 parametrization of the pion form factor.
- ²⁷ $\rho(1700)$ mass and width fixed at 1700 MeV and 235 MeV, respectively.
- ²⁸ $\rho(1700)$ mass and width fixed at 1780 MeV and 275 MeV respectively.
- ²⁹ T-matrix pole.
- ³⁰ Using for $\rho(1700)$ mass and width 1600 ± 20 and 300 ± 10 MeV respectively.

$\phi\pi$ MODE

VALUE (MeV)	DOCUMENT ID	TECN	CHG	COMMENT
••• We do not use the following data for averages, fits, limits, etc. •••				
130 ± 60	^{31,32} BITYUKOV	87 SPEC	0	$32.5 \pi^- p \rightarrow \phi \pi^0 n$

- ³¹ DONNACHIE 91 suggests this is a different particle.
- ³² Not seen by ABELE 97H.

K \bar{K} MODE

VALUE (MeV)	EVTS	DOCUMENT ID	TECN	CHG	COMMENT
••• We do not use the following data for averages, fits, limits, etc. •••					
146.5 ± 10.5	27k	³³ ABELE	99D CBAR	\pm	$0.0 \bar{p}p \rightarrow K^+ K^- \pi^0$

- ³³ K-matrix pole. Isospin not determined, could be $\omega(1420)$.

MIXED MODES

VALUE (MeV)	DOCUMENT ID	TECN	COMMENT
● ● ● We do not use the following data for averages, fits, limits, etc. ● ● ●			
391 ± 70	DUBNICKA	89	RVUE $e^+ e^- \rightarrow \pi^+ \pi^-$

$\rho(1450)$ DECAY MODES

Mode	Fraction (Γ_i/Γ)	Confidence level
Γ_1 $\pi\pi$	seen	
Γ_2 4π	seen	
Γ_3 $\omega\pi$	<2.0 %	95%
Γ_4 $a_1(1260)\pi$		
Γ_5 $h_1(1170)\pi$		
Γ_6 $\pi(1300)\pi$		
Γ_7 $\rho\rho$		
Γ_8 $\rho(\pi\pi)_{S\text{-wave}}$		
Γ_9 $e^+ e^-$	seen	
Γ_{10} $\eta\rho$	<4 %	
Γ_{11} $a_2(1320)\pi$	not seen	
Γ_{12} $\phi\pi$	<1 %	
Γ_{13} $K\bar{K}$	<1.6 × 10 ⁻³	95%
Γ_{14} $\eta\gamma$	possibly seen	

$\rho(1450)$ $\Gamma(i)\Gamma(e^+ e^-)/\Gamma(\text{total})$

$\Gamma(\pi\pi) \times \Gamma(e^+ e^-)/\Gamma_{\text{total}}$	DOCUMENT ID	TECN	COMMENT	$\Gamma_1\Gamma_9/\Gamma$	
VALUE (keV)					
● ● ● We do not use the following data for averages, fits, limits, etc. ● ● ●					
0.12	34	DIEKMAN	88	RVUE $e^+ e^- \rightarrow \pi^+ \pi^-$	
0.027 ^{+0.015} _{-0.010}	35	KURDADZE	83	OLYA $0.64\text{--}1.4 e^+ e^- \rightarrow \pi^+ \pi^-$	

$\Gamma(\eta\rho) \times \Gamma(e^+ e^-)/\Gamma_{\text{total}}$	DOCUMENT ID	TECN	COMMENT	$\Gamma_{10}\Gamma_9/\Gamma$	
VALUE (eV)					
● ● ● We do not use the following data for averages, fits, limits, etc. ● ● ●					
74 ± 20	36	AKHMETSHIN 00D	CMD2	$e^+ e^- \rightarrow \eta\pi^+\pi^-$	
91 ± 19		ANTONELLI	88	DM2 $e^+ e^- \rightarrow \eta\pi^+\pi^-$	

$\Gamma(\phi\pi) \times \Gamma(e^+ e^-)/\Gamma_{\text{total}}$	DOCUMENT ID	TECN	COMMENT	$\Gamma_{12}\Gamma_9/\Gamma$	
VALUE (eV)					
<70	90	37	AULCHENKO 87B	ND $e^+ e^- \rightarrow K_S^0 K_L^0 \pi^0$	

$\Gamma(\eta\gamma) \times \Gamma(e^+e^-)/\Gamma_{\text{total}}$ $\Gamma_{14}\Gamma_9/\Gamma$

VALUE (units 10^{-9}) DOCUMENT ID TECN COMMENT

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

<41.1 ³⁸ AKHMETSHIN 05 CMD2 0.60-1.38 $e^+e^- \rightarrow \eta\gamma$

10.0±2.2±1.5 ³⁹ AKHMETSHIN 01B CMD2 $e^+e^- \rightarrow \eta\gamma$

³⁴ Using total width = 235 MeV.

³⁵ Using for $\rho(1700)$ mass and width 1600 ± 20 and 300 ± 10 MeV respectively.

³⁶ Using the data of ANTONELLI 88, DOLINSKY 91, and AKHMETSHIN 00D. The energy-independent width of the $\rho(1450)$ and $\rho(1700)$ mesons assumed.

³⁷ Using mass 1480 ± 40 MeV and total width 130 ± 60 MeV of BITYUKOV 87.

³⁸ From 2γ decay mode of η using 1465 MeV and 310 MeV for the $\rho(1450)$ mass and width.

³⁹ Using the data of AKHMETSHIN 01B on $e^+e^- \rightarrow \eta\gamma$, AKHMETSHIN 00D and ANTONELLI 88 on $e^+e^- \rightarrow \eta\pi^+\pi^-$.

$\rho(1450)$ BRANCHING RATIOS

$\Gamma(\eta\rho)/\Gamma_{\text{total}}$ Γ_{10}/Γ

VALUE DOCUMENT ID TECN
<0.04 DONNACHIE 87B RVUE

$\Gamma(a_2(1320)\pi)/\Gamma_{\text{total}}$ Γ_{11}/Γ

VALUE DOCUMENT ID TECN COMMENT

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

not seen AMELIN 00 VES ³⁷ $\pi^-p \rightarrow \eta\pi^+\pi^-n$

$\Gamma(\phi\pi)/\Gamma(\omega\pi)$ Γ_{12}/Γ_3

VALUE CL% DOCUMENT ID TECN CHG COMMENT
>0.5 95 BITYUKOV 87 SPEC 0 $32.5 \pi^-p \rightarrow \phi\pi^0n$

$\Gamma(\omega\pi)/\Gamma(4\pi)$ Γ_3/Γ_2

VALUE DOCUMENT ID TECN
<0.14 CLEGG 88 RVUE

$\Gamma(a_1(1260)\pi)/\Gamma(4\pi)$ Γ_4/Γ_2

VALUE DOCUMENT ID TECN COMMENT

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

0.27±0.08 ⁴⁰ ABELE 01B CBAR 0.0 $\bar{p}n \rightarrow 5\pi$

$\Gamma(h_1(1170)\pi)/\Gamma(4\pi)$ Γ_5/Γ_2

VALUE DOCUMENT ID TECN COMMENT

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

0.08±0.04 ⁴⁰ ABELE 01B CBAR 0.0 $\bar{p}n \rightarrow 5\pi$

$\Gamma(\pi(1300)\pi)/\Gamma(4\pi)$ Γ_6/Γ_2

VALUE DOCUMENT ID TECN COMMENT

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

0.37±0.13 ⁴⁰ ABELE 01B CBAR 0.0 $\bar{p}n \rightarrow 5\pi$

$\Gamma(\rho\rho)/\Gamma(4\pi)$ Γ_7/Γ_2

<u>VALUE</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
0.11 ± 0.05	⁴⁰ ABELE	01B CBAR	$0.0 \bar{p} n \rightarrow 5\pi$

$\Gamma(\rho(\pi\pi)_{S\text{-wave}})/\Gamma(4\pi)$ Γ_8/Γ_2

<u>VALUE</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
0.17 ± 0.09	⁴⁰ ABELE	01B CBAR	$0.0 \bar{p} n \rightarrow 5\pi$

$\Gamma(\pi\pi)/\Gamma(4\pi)$ Γ_1/Γ_2

<u>VALUE</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
0.37 ± 0.10	^{40,41} ABELE	01B CBAR	$0.0 \bar{p} n \rightarrow 5\pi$

$\Gamma(\eta\rho)/\Gamma(\omega\pi)$ Γ_{10}/Γ_3

<u>VALUE</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
~ 0.24	⁴² DONNACHIE	91 RVUE	
> 2	FUKUI	91 SPEC	$8.95 \pi^- p \rightarrow \omega \pi^0 n$

$\Gamma(\omega\pi)/\Gamma_{\text{total}}$ Γ_3/Γ

<u>VALUE</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
~ 0.21	CLEGG	94 RVUE	

$\Gamma(\pi\pi)/\Gamma(\omega\pi)$ Γ_1/Γ_3

<u>VALUE</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
~ 0.32	CLEGG	94 RVUE	

$\Gamma(\phi\pi)/\Gamma_{\text{total}}$ Γ_{12}/Γ

<u>VALUE</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
<0.01	⁴² DONNACHIE	91 RVUE	
not seen	ABELE	97H CBAR	$\bar{p} p \rightarrow K_L^0 K_S^0 \pi^0 \pi^0$

$\Gamma(K\bar{K})/\Gamma(\omega\pi)$ Γ_{13}/Γ_3

<u>VALUE</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
<0.08	⁴² DONNACHIE	91 RVUE	

⁴⁰ $\omega\pi$ not included.

⁴¹ Using ABELE 97.

⁴² Using data from BISELLO 91B, DOLINSKY 86 and ALBRECHT 87L.

$\rho(1450)$ REFERENCES

AKHMETSHIN	05	PL B605 26	R.R. Akhmetshin <i>et al.</i>	(Novosibirsk CMD-2 Collab.)
ALOISIO	05	PL B606 12	A. Aloisio <i>et al.</i>	(KLOE Collab.)
SCHAEEL	05C	PRPL 421 191	S. Schaeel <i>et al.</i>	(ALEPH Collab.)
AKHMETSHIN	04	PL B578 285	R.R. Akhmetshin <i>et al.</i>	(Novosibirsk CMD-2 Collab.)
AKHMETSHIN	03B	PL B562 173	R.R. Akhmetshin <i>et al.</i>	(Novosibirsk CMD-2 Collab.)
ABELE	01B	EPJ C21 261	A. Abele <i>et al.</i>	(Crystal Barrel Collab.)
AKHMETSHIN	01B	PL B509 217	R.R. Akhmetshin <i>et al.</i>	(Novosibirsk CMD-2 Collab.)
ALEXANDER	01B	PR D64 092001	J.P. Alexander <i>et al.</i>	(CLEO Collab.)
AKHMETSHIN	00D	PL B489 125	R.R. Akhmetshin <i>et al.</i>	(Novosibirsk CMD-2 Collab.)
AMELIN	00	NP A668 83	D. Amelin <i>et al.</i>	(VES Collab.)
ANDERSON	00A	PR D61 112002	S. Anderson <i>et al.</i>	(CLEO Collab.)
EDWARDS	00A	PR D61 072003	K.W. Edwards <i>et al.</i>	(CLEO Collab.)
ABELE	99C	PL B450 275	A. Abele <i>et al.</i>	(Crystal Barrel Collab.)
ABELE	99D	PL B468 178	A. Abele <i>et al.</i>	(Crystal Barrel Collab.)
BERTIN	98	PR D57 55	A. Bertin <i>et al.</i>	(OBELIX Collab.)
ABELE	97	PL B391 191	A. Abele <i>et al.</i>	(Crystal Barrel Collab.)
ABELE	97H	PL B415 280	A. Abele <i>et al.</i>	(Crystal Barrel Collab.)
ACHASOV	97	PR D55 2663	N.N. Achasov <i>et al.</i>	(NOVM)
BARATE	97M	ZPHY C76 15	R. Barate <i>et al.</i>	(ALEPH Collab.)
BERTIN	97C	PL B408 476	A. Bertin <i>et al.</i>	(OBELIX Collab.)
BERTIN	97D	PL B414 220	A. Bertin <i>et al.</i>	(OBELIX Collab.)
CLEGG	94	ZPHY C62 455	A.B. Clegg, A. Donnachie	(LANC, MCHS)
BISELLO	91B	NPBPS B21 111	D. Bisello	(DM2 Collab.)
DOLINSKY	91	PRPL 202 99	S.I. Dolinsky <i>et al.</i>	(NOVO)
DONNACHIE	91	ZPHY C51 689	A. Donnachie, A.B. Clegg	(MCHS, LANC)
FUKUI	91	PL B257 241	S. Fukui <i>et al.</i>	(SUGI, NAGO, KEK, KYOT+)
ARMSTRONG	89E	PL B228 536	T.A. Armstrong, M. Benayoun	(ATHU, BARI, BIRM+)
BISELLO	89	PL B220 321	D. Bisello <i>et al.</i>	(DM2 Collab.)
DUBNICKA	89	JPG 15 1349	S. Dubnicka <i>et al.</i>	(JINR, SLOV)
ANTONELLI	88	PL B212 133	A. Antonelli <i>et al.</i>	(DM2 Collab.)
CLEGG	88	ZPHY C40 313	A.B. Clegg, A. Donnachie	(MCHS, LANC)
DIEKMAN	88	PRPL 159 101	B. Diekmann	(BONN)
FUKUI	88	PL B202 441	S. Fukui <i>et al.</i>	(SUGI, NAGO, KEK, KYOT+)
ALBRECHT	87L	PL B185 223	H. Albrecht <i>et al.</i>	(ARGUS Collab.)
AULCHENKO	87B	JETPL 45 145	V.M. Aulchenko <i>et al.</i>	(NOVO)
		Translated from ZETFP 45 118.		
BITYUKOV	87	PL B188 383	S.I. Bityukov <i>et al.</i>	(SERP)
DONNACHIE	87B	ZPHY C34 257	A. Donnachie, A.B. Clegg	(MCHS, LANC)
DOLINSKY	86	PL B174 453	S.I. Dolinsky <i>et al.</i>	(NOVO)
BARKOV	85	NP B256 365	L.M. Barkov <i>et al.</i>	(NOVO)
KURDADZE	83	JETPL 37 733	L.M. Kurdadze <i>et al.</i>	(NOVO)
		Translated from ZETFP 37 613.		
ASTON	80C	PL 92B 211	D. Aston	(BONN, CERN, EPOL, GLAS, LANC+)
BARBER	80C	ZPHY C4 169	D.P. Barber <i>et al.</i>	(DARE, LANC, SHEF)
GOUNARIS	68	PRL 21 244	G.J. Gounaris, J.J. Sakurai	

OTHER RELATED PAPERS

ACHASOV	05A	JETP 101 1053	M.N. Achasov <i>et al.</i>	(SND Collab.)
		Translated from ZETF 128 1201.		
AUBERT	05D	PR D71 052001	B. Aubert <i>et al.</i>	(BABAR Collab.)
AULCHENKO	05	JETPL 82 743	V.M. Aulchenko <i>et al.</i>	(CMD2 Collab.)
		Translated from ZETFP 82 841.		
EBERT	05	MPL A20 1887	D. Ebert, R.N. Faustov, V.O. Galkin	
AKHMETSHIN	04C	PL B595 101	R.R. Akhmetshin <i>et al.</i>	(CMD2 Collab.)
AMSLER	04A	NP A740 130	C. Amisler <i>et al.</i>	
ACHASOV	03C	JETP 96 789	M.N. Achasov <i>et al.</i>	(Novosibirsk SND Collab.)
		Translated from ZETF 123 899.		
ACHASOV	02B	PAN 65 153	N.N. Achasov, A.A. Kozhevnikov	
		Translated from YAF 65 158.		
CLOSE	02	PR D65 092003	F.E. Close, A. Donnachie, Yu.S. Kalashnikova	
ADAMS	01B	PL B516 264	G.S. Adams <i>et al.</i>	(BNL E852 Collab.)
ACHASOV	001	PL B486 29	M.N. Achasov <i>et al.</i>	(Novosibirsk SND Collab.)
ACHASOV	00J	PR D62 117503	N.N. Achasov, A.A. Kozhevnikov	
AULCHENKO	00A	JETP 90 927	V.M. Aulchenko <i>et al.</i>	(Novosibirsk SND Collab.)
		Translated from ZETF 117 1067.		
BELOZEROVA	98	PPN 29 63	T.S. Belozerova, V.K. Henner	
		Translated from FECAY 29 148.		

ABELE	97H	PL B415 280	A. Abele <i>et al.</i>	(Crystal Barrel Collab.)
BARNES	97	PR D55 4157	T. Barnes <i>et al.</i>	(ORNL, RAL, MCHS)
CLOSE	97C	PR D56 1584	F.E. Close <i>et al.</i>	(RAL, MCHS)
URHEIM	97	NPBPS 55C 359	J. Urheim	(CLEO Collab.)
ACHASOV	96B	PAN 59 1262	N.N. Achasov, G.N. Shestakov	(NOVM)
MURADOV	94	PAN 57 864	R.K. Muradov	(BAKU)
LANDSBERG	92	SJNP 55 1051	L.G. Landsberg	(SERP)
BRAU	88	PR D37 2379	J.E. Brau <i>et al.</i>	
KURDADZE	86	JETPL 43 643	L.M. Kurdadze <i>et al.</i>	(NOVO)
BARKOV	85	NP B256 365	L.M. Barkov <i>et al.</i>	(NOVO)
BISELLO	85	LAL 85-15	D. Bisello <i>et al.</i>	(PADO, LALO, CLER+)
ABE	84B	PRL 53 751	K. Abe <i>et al.</i>	
ATKINSON	84C	NP B243 1	M. Atkinson <i>et al.</i>	(BONN, CERN, GLAS+)
CORDIER	82	PL 109B 129	A. Cordier <i>et al.</i>	(LALO)
BISELLO	81	PL 107B 145	D. Bisello <i>et al.</i>	(DM1 Collab.)
KILLIAN	80	PR D21 3005	T.J. Killian <i>et al.</i>	(CORN)
COSME	76	PL 63B 352	G. Cosme <i>et al.</i>	(ORSAY)
BINGHAM	72B	PL 41B 635	H.H. Bingham <i>et al.</i>	(LBL, UCB, SLAC)
FRENKIEL	72	NP B47 61	P. Frenkiel <i>et al.</i>	(CDEF, CERN)
LAYSSAC	71	NC 6A 134	J. Layssac, F.M. Renard	(MONP)
