$\pi^+\pi^-$ MODE

VALUE (MeV)	DOCUMENT ID		TECN	COMMENT
1768 ±21	BISELLO	89	DM2	$e^+e^- \to \pi^+\pi^-$
• • • We do not use the following data for averages, fits, limits, etc. • • •				
1546 ±26	GESHKENBEIN	89	RVUE	
1650	[2] ERKAL	85	RVUE	20–70 $\gamma p \to \gamma\pi$
1550 ±70	ABE	84B	HYBR	20 $\gamma p \to \pi^+\pi^- p$
1590 ±20	[3] ASTON	80	OMEG	20–70 $\gamma p \to p 2\pi$
1600.0±10.0	[4] ATIYA	79B	SPEC	50 γC $\to$ C2π
$1598.0^{+24.0}_{-22.0}$	BECKER	79	ASPK	17 $\pi^- p$ polarized
1659 ±25	[2] LANG	79	RVUE	
1575	[2] MARTIN	78C	RVUE	17 $\pi^- p \to \pi^+\pi^- n$
1610 ±30	[2] FROGGATT	77	RVUE	17 $\pi^- p \to \pi^+\pi^- n$
1590 ±20	[5] HYAMS	73	ASPK	17 $\pi^- p \to \pi^+\pi^- n$

$K\overline{K}$ MODE

VALUE (MeV)	EVTS	DOCUMENT ID		TECN	CHG	COMMENT
• • • We do not use the following data for averages, fits, limits, etc. • • •						
1582±36	1600	CLELAND	82B	SPEC	±	50 $\pi p \to K^0_S K^\pm p$

$2(\pi^+\pi^-)$ MODE

VALUE (MeV)	EVTS	DOCUMENT ID		TECN	COMMENT
1520± 30		[3] ASTON	81E	OMEG	20–70 $\gamma p \to p 4\pi$
• • • We do not use the following data for averages, fits, limits, etc. • • •					
1570± 20		[6] CORDIER	82	DM1	$e^+e^- \to 2(\pi^+\pi^-)$
1654± 25		[7] DIBIANCA	81	DBC	$\pi^+ d \to pp2(\pi^+\pi^-)$
1666± 39		[6] BACCI	80	FRAG	$e^+e^- \to 2(\pi^+\pi^-)$
1780	34	KILLIAN	80	SPEC	11 $e^- p \to 2(\pi^+\pi^-)$
1500		[8] ATIYA	79B	SPEC	50 γC $\to$ C$4\pi^\pm$
1570± 60	65	[9] ALEXANDER	75	HBC	7.5 $\gamma p \to p 4\pi$
1550± 60		[3] CONVERSI	74	OSPK	$e^+e^- \to 2(\pi^+\pi^-)$
1550± 50	160	SCHACHT	74	STRC	5.5–9 $\gamma p \to p 4\pi$
1450±100	340	SCHACHT	74	STRC	9–18 $\gamma p \to p 4\pi$
1430± 50	400	BINGHAM	72B	HBC	9.3 $\gamma p \to p 4\pi$

$\pi^+\pi^-\pi^0\pi^0$ MODE

VALUE (MeV)	DOCUMENT ID		TECN	COMMENT
• • • We do not use the following data for averages, fits, limits, etc. • • •				
1660±30	ATKINSON	85B	OMEG	20–70 γp

$3(\pi^+\pi^-)$ AND $2(\pi^+\pi^-\pi^0)$ MODES

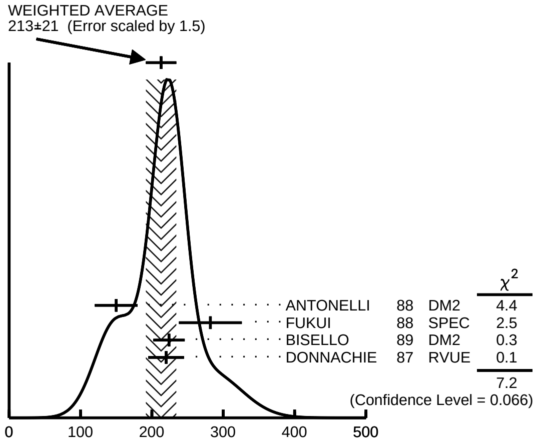
VALUE (MeV)	DOCUMENT ID		TECN	COMMENT
• • • We do not use the following data for averages, fits, limits, etc. • • •				
1783±15	CLEGG	90	RVUE	$e^+e^- \to 3(\pi^+\pi^-)2(\pi^+\pi^-\pi^0)$

[1] From global fit of ρ, ω, ϕ and their radial excitations to channels $\omega\pi^+\pi^-$, K^+K^-, $K^0_S K^0_L$, $K^0_S K^\pm\pi^\mp$.
[2] From phase shift analysis of HYAMS 73 data.
[3] Simple relativistic Breit-Wigner fit with constant width.
[4] An additional 40 MeV uncertainty in both the mass and width is present due to the choice of the background shape.
[5] Included in BECKER 79 analysis.
[6] Simple relativistic Breit-Wigner fit with model dependent width.
[7] One peak fit result.
[8] Parameters roughly estimated, not from a fit.
[9] Skew mass distribution compensated by Ross-Stodolsky factor.

$\rho(1700)$ WIDTH

$\eta\rho^0$, $\pi^+\pi^-$, AND MIXED MODES

VALUE (MeV)	DOCUMENT ID
235±50 OUR ESTIMATE	This is only an educated guess; the error given is larger than the error on the average of the published values.
213±21 OUR AVERAGE	Includes data from the 3 datablocks that follow this one. Error includes scale factor of 1.5. See the ideogram below.



$\rho(1700)$ width, $\eta\rho^0$, $\pi^+\pi^-$, and mixed modes (MeV)

MIXED MODES

VALUE (MeV)	DOCUMENT ID		TECN	COMMENT
The data in this block is included in the average printed for a previous datablock.				
220±25	DONNACHIE	87	RVUE	
• • • We do not use the following data for averages, fits, limits, etc. • • •				
340±80	[10] BUON	82	DM1	$e^+e^- \to$ hadrons

$\eta\rho^0$ MODE

VALUE (MeV)	DOCUMENT ID		TECN	COMMENT
The data in this block is included in the average printed for a previous datablock.				
150±30	ANTONELLI	88	DM2	$e^+e^- \to \eta\pi^+\pi^-$
282±44	FUKUI	88	SPEC	8.95 $\pi^- p \to \eta\pi^+\pi^- n$

$\pi^+\pi^-$ MODE

VALUE (MeV)	DOCUMENT ID		TECN	COMMENT
The data in this block is included in the average printed for a previous datablock.				
224 ± 22	BISELLO	89	DM2	$e^+e^- \to \pi^+\pi^-$
• • • We do not use the following data for averages, fits, limits, etc. • • •				
620 ± 60	GESHKENBEIN	89	RVUE	
<315	[11] ERKAL	85	RVUE	20–70 $\gamma p \to \gamma\pi$
280^{+30}_{-80}	ABE	84B	HYBR	20 $\gamma p \to \pi^+\pi^- p$
230.0± 80.0	[12] ASTON	80	OMEG	20–70 $\gamma p \to p 2\pi$
283.0± 14.0	[13] ATIYA	79B	SPEC	50 γC $\to$ C2π
$175.0^{+98.0}_{-53.0}$	BECKER	79	ASPK	17 $\pi^- p$ polarized
232 ± 34	[11] LANG	79	RVUE	
340	[11] MARTIN	78C	RVUE	17 $\pi^- p \to \pi^+\pi^- n$
300 ±100	[11] FROGGATT	77	RVUE	17 $\pi^- p \to \pi^+\pi^- n$
180 ± 50	[14] HYAMS	73	ASPK	17 $\pi^- p \to \pi^+\pi^- n$

$K\overline{K}$ MODE

VALUE (MeV)	EVTS	DOCUMENT ID		TECN	CHG	COMMENT
• • • We do not use the following data for averages, fits, limits, etc. • • •						
265±120	1600	CLELAND	82B	SPEC	±	50 $\pi p \to K^0_S K^\pm p$

$2(\pi^+\pi^-)$ MODE

VALUE (MeV)	EVTS	DOCUMENT ID		TECN	COMMENT
400± 50		[12] ASTON	81E	OMEG	20–70 $\gamma p \to p 4\pi$
• • • We do not use the following data for averages, fits, limits, etc. • • •					
510± 40		[15] CORDIER	82	DM1	$e^+e^- \to 2(\pi^+\pi^-)$
400±146		[16] DIBIANCA	81	DBC	$\pi^+ d \to pp2(\pi^+\pi^-)$
700±160		[15] BACCI	80	FRAG	$e^+e^- \to 2(\pi^+\pi^-)$
100	34	KILLIAN	80	SPEC	11 $e^- p \to 2(\pi^+\pi^-)$
600		[17] ATIYA	79B	SPEC	50 γC $\to$ C$4\pi^\pm$
340±160	65	[18] ALEXANDER	75	HBC	7.5 $\gamma p \to p 4\pi$
360±100		[12] CONVERSI	74	OSPK	$e^+e^- \to 2(\pi^+\pi^-)$
400±120	160	[19] SCHACHT	74	STRC	5.5–9 $\gamma p \to p 4\pi$
850±200	340	[19] SCHACHT	74	STRC	9–18 $\gamma p \to p 4\pi$
650±100	400	BINGHAM	72B	HBC	9.3 $\gamma p \to p 4\pi$