

$\rho(1900)$

$$J^{PC} = 1^{+}(1^{-}-)$$

OMITTED FROM SUMMARY TABLE

 $\rho(1900)$ MASS

<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
● ● ● We do not use the following data for averages, fits, limits, etc. ● ● ●			
1880±30	AUBERT	06D BABR	10.6 $e^+e^- \rightarrow 3\pi^+3\pi^-\gamma$
1860±20	AUBERT	06D BABR	10.6 $e^+e^- \rightarrow 2\pi^+2\pi^-2\pi^0\gamma$
1910±10	^{1,2} FRABETTI	04 E687	$\gamma p \rightarrow 3\pi^+3\pi^-p$
1870±10	ANTONELLI	96 SPEC	$e^+e^- \rightarrow$ hadrons

¹ From a fit with two resonances with the JACOB 72 continuum.² Supersedes FRABETTI 01. **$\rho(1900)$ WIDTH**

<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
● ● ● We do not use the following data for averages, fits, limits, etc. ● ● ●			
130±30	AUBERT	06D BABR	10.6 $e^+e^- \rightarrow 3\pi^+3\pi^-\gamma$
160±20	AUBERT	06D BABR	10.6 $e^+e^- \rightarrow 2\pi^+2\pi^-2\pi^0\gamma$
37±13	^{3,4} FRABETTI	04 E687	$\gamma p \rightarrow 3\pi^+3\pi^-p$
10±5	ANTONELLI	96 SPEC	$e^+e^- \rightarrow$ hadrons

³ From a fit with two resonances with the JACOB 72 continuum.⁴ Supersedes FRABETTI 01. **$\rho(1900)$ DECAY MODES**

Mode	Fraction (Γ_i/Γ)
Γ_1 6π	seen
Γ_2 $3\pi^+3\pi^-$	seen
Γ_3 $2\pi^+2\pi^-2\pi^0$	
Γ_4 hadrons	seen
Γ_5 e^+e^-	seen
Γ_6 $\bar{N}N$	not seen

 $\rho(1900)$ BRANCHING RATIOS

<u>$\Gamma(6\pi)/\Gamma_{\text{total}}$</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>	<u>Γ_1/Γ</u>
not seen	AGNELLO	02 OBLX	$\bar{n}p \rightarrow 3\pi^+2\pi^-\pi^0$	
seen	FRABETTI	01 E687	$\gamma p \rightarrow 3\pi^+3\pi^-p$	
seen	ANTONELLI	96 SPEC	$e^+e^- \rightarrow$ hadrons	

$\rho(1900)$ REFERENCES

AUBERT	06D	PR D73 052003	B. Aubert <i>et al.</i>	(BABAR Collab.)
FRABETTI	04	PL B578 290	P.L. Frabetti <i>et al.</i>	(FNAL E687 Collab.)
AGNELLO	02	PL B527 39	M. Agnello <i>et al.</i>	(OBELIX Collab.)
FRABETTI	01	PL B514 240	P.L. Frabetti <i>et al.</i>	(FNAL E687 Collab.)
ANTONELLI	96	PL B365 427	A. Antonelli <i>et al.</i>	(FENICE Collab.)
JACOB	72	PR D5 1847	M. Jacob, R. Slansky	

OTHER RELATED PAPERS

DATTA	03B	PL B567 273	A. Datta, P.J. O'Donnell	
PAGE	99	PR D59 034016	P.R. Page, E.S. Swanson, A.P. Szczepaniak	
CLEGG	90	ZPHY C45 677	A.B. Clegg, A. Donnachie	(LANC, MCHS)
CASTRO	88	Preprint LAL-88-58	A. Castro <i>et al.</i>	(DM2 Collab.)
