

**$\omega(1420)$**  $I^G(J^{PC}) = 0^-(1^{--})$  **$\omega(1420)$  MASS**

VALUE (MeV)	EVTS	DOCUMENT ID	TECN	COMMENT
<b>1419±31</b>	315	<sup>1</sup> ANTONELLI 92	DM2	$1.34\text{--}2.4e^+ e^- \rightarrow \rho\pi$
<b>• • •</b> We do not use the following data for averages, fits, limits, etc. <b>• • •</b>				
1440±70		<sup>2</sup> CLEGG 94	RVUE	

<sup>1</sup> From a fit to two Breit-Wigner functions interfering between them and with the  $\omega, \phi$  tails with fixed  $(+, -, +)$  phases.

<sup>2</sup> Using data published by ANTONELLI 92.

 **$\omega(1420)$  WIDTH**

VALUE (MeV)	EVTS	DOCUMENT ID	TECN	COMMENT
<b>174±59</b>	315	<sup>3</sup> ANTONELLI 92	DM2	$1.34\text{--}2.4e^+ e^- \rightarrow \rho\pi$
<b>• • •</b> We do not use the following data for averages, fits, limits, etc. <b>• • •</b>				
240±70		<sup>4</sup> CLEGG 94	RVUE	

<sup>3</sup> From a fit to two Breit-Wigner functions interfering between them and with the  $\omega, \phi$  tails with fixed  $(+, -, +)$  phases.

<sup>4</sup> Using data published by ANTONELLI 92.

 **$\omega(1420)$  DECAY MODES**

Mode	Fraction ( $\Gamma_i/\Gamma$ )
$\Gamma_1 \rho\pi$	dominant
$\Gamma_2 \omega\pi\pi$	
$\Gamma_3 e^+ e^-$	

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

$\Gamma(\rho\pi) \times \Gamma(e^+ e^-)/\Gamma_{\text{total}}$	$\Gamma_1\Gamma_3/\Gamma$
VALUE (eV)	EVTS DOCUMENT ID TECN COMMENT

<b>81±31</b>	315	<sup>5</sup> ANTONELLI 92	DM2	$1.34\text{--}2.4e^+ e^- \rightarrow \rho\pi$
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<sup>5</sup> From a fit to two Breit-Wigner functions interfering between them and with the  $\omega, \phi$  tails with fixed  $(+, -, +)$  phases.

 **$\omega(1420)$  REFERENCES**

CLEGG 94	ZPHY C62 455	+Donnachie	(LANC, MCHS)
ANTONELLI 92	ZPHY C56 15	+Baldini+	(DM2 Collab.)

**— OTHER RELATED PAPERS —**

ACHASOV 97F	PAN 60 2029 Translated from YAF 60 2212.	N.N. Achasov, Kozhevnikov	(NOVM)
ATKINSON 87	ZPHY C34 157	+(BONN, CERN, GLAS, LANC, MCHS, CURIN)	
ATKINSON 84	NP B231 15	+(BONN, CERN, GLAS, LANC, MCHS, CURIN+)	
ATKINSON 83B	PL 127B 132	+(BONN, CERN, GLAS, LANC, MCHS, CURIN+)	