$X(1910)$

$$I^G(J^{PC}) = 0^+(?^{?+})$$

OMITTED FROM SUMMARY TABLE

We list here two different peaks with close masses and widths seen in the mass distributions of $\omega\omega$ and $\eta\eta'$ final states. ALDE 91B argues that they are of different nature.

$X(1910)$ MASS

VALUE (MeV)	DOCUMENT ID		
1810 to 1920 OUR ESTIMATE			

$X(1910)$ $\omega\omega$ MODE

VALUE (MeV)	DOCUMENT ID	TECN	COMMENT
1921± 8 OUR AVERAGE			
1920±10	[1] BELADIDZE 92B	VES	36 $\pi^- p \to \omega\omega n$
1924±14	[1] ALDE 90	GAM2	38 $\pi^- p \to \omega\omega n$

[1] $J^{PC} = 2^{++}$.

$X(1910)$ $\eta\eta'$ MODE

VALUE (MeV)	DOCUMENT ID	TECN	COMMENT
• • • We do not use the following data for averages, fits, limits, etc. • • •			
1911±10	ALDE 91B	GAM2	38 $\pi^- p \to \eta\eta' n$

$X(1910)$ WIDTH

VALUE (MeV)	DOCUMENT ID		
90 to 250 OUR ESTIMATE			

$X(1910)$ $\omega\omega$ MODE

VALUE (MeV)	DOCUMENT ID	TECN	COMMENT
90±19 OUR AVERAGE			
90±20	[2] BELADIDZE 92B	VES	36 $\pi^- p \to \omega\omega n$
91±50	[2] ALDE 90	GAM2	38 $\pi^- p \to \omega\omega n$

[2] $J^{PC} = 2^{++}$.

$X(1910)$ $\eta\eta'$ MODE

VALUE (MeV)	DOCUMENT ID	TECN	COMMENT
• • • We do not use the following data for averages, fits, limits, etc. • • •			
90±35	ALDE 91B	GAM2	38 $\pi^- p \to \eta\eta' n$

X(1910) DECAY MODES

	Mode
Γ_1	$\pi^0 \pi^0$
Γ_2	$K_S^0 K_S^0$
Γ_3	$\eta \eta$
Γ_4	$\omega \omega$
Γ_5	$\eta \eta'$
Γ_6	$\eta' \eta'$

X(1910) BRANCHING RATIOS

$\Gamma(\omega\omega)/\Gamma_{total}$ Γ_4/Γ

VALUE	DOCUMENT ID	TECN	COMMENT
• • • We do not use the following data for averages, fits, limits, etc. • • •			
seen	ALDE 89B	GAM2	38 $\pi^- p \to \omega\omega n$

$\Gamma(\pi^0\pi^0)/\Gamma(\eta\eta')$ Γ_1/Γ_5

VALUE	DOCUMENT ID	TECN	COMMENT
• • • We do not use the following data for averages, fits, limits, etc. • • •			
<0.1	ALDE 89	GAM2	38 $\pi^- p \to \eta\eta' n$

$\Gamma(\eta\eta)/\Gamma(\eta\eta')$ Γ_3/Γ_5

VALUE	CL%	DOCUMENT ID	TECN	COMMENT
• • • We do not use the following data for averages, fits, limits, etc. • • •				
<0.05	90	ALDE 91B	GAM2	38 $\pi^- p \to \eta\eta' n$

$\Gamma(K_S^0 K_S^0)/\Gamma(\eta\eta')$ Γ_2/Γ_5

VALUE	CL%	DOCUMENT ID	TECN	COMMENT
• • • We do not use the following data for averages, fits, limits, etc. • • •				
<0.066	90	BALOSHIN 86	SPEC	$40\pi p \to K_S^0 K_S^0 n$

$\Gamma(\eta'\eta')/\Gamma_{total}$ Γ_6/Γ

VALUE	DOCUMENT ID	TECN	COMMENT
• • • We do not use the following data for averages, fits, limits, etc. • • •			
possibly seen	BELADIDZE 92D	VES	37 $\pi^- p \to \eta'\eta' n$

X(1910) REFERENCES

BELADIDZE	92B	ZPHY C54 367	G.M. Beladidze *et al.*	(VES Collab.)
BELADIDZE	92D	ZPHY C57 13	G.M. Beladidze *et al.*	(VES Collab.)
ALDE	91B	SJNP 54 455	D.M. Alde *et al.*	(SERP, BELG, LANL, LAPP+)
		Translated from YAF 54 751.		
Also	92	PL B276 375	D.M. Alde *et al.*	(BELG, SERP, KEK, LANL+)
ALDE	90	PL B241 600	D.M. Alde *et al.*	(SERP, BELG, LANL, LAPP+)
ALDE	89	PL B216 447	D.M. Alde *et al.*	(SERP, BELG, LANL, LAPP)
Also	88E	SJNP 48 1035	D.M. Alde *et al.*	(BELG, SERP, LANL, LAPP)
		Translated from YAF 48 1724.		
ALDE	89B	PL B216 451	D.M. Alde *et al.*	(SERP, BELG, LANL, LAPP+)
BALOSHIN	86	SJNP 43 959	O.N. Baloshin *et al.*	(ITEP)
		Translated from YAF 43 1487.		

—— **OTHER RELATED PAPERS** ——

LEE 94 PL B323 227 J.H. Lee *et al.* (BNL, IND, KYUN, MASD+)