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 $\pi^- p \rightarrow \omega\omega n$
1924±14	[1] ALDE	90	GAM2	38 $\pi^- p \rightarrow \omega\omega n$

[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 $\pi^- p \rightarrow \eta\eta' n$

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 $\pi^- p \rightarrow \omega\omega n$
91±50	[2] ALDE	90	GAM2	38 $\pi^- p \rightarrow \omega\omega n$

[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 $\pi^- p \rightarrow \eta\eta' n$

X(1910) DECAY MODES

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

X(1910) BRANCHING RATIOS

$\Gamma(\omega\omega)/\Gamma_{\text{total}}$ — 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 $\pi^- p \to \eta\eta' n$

$\Gamma(K^0_S K^0_S)/\Gamma(\eta\eta')$ — 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$\pi p \to K^0_S K^0_S n$

$\Gamma(\eta'\eta')/\Gamma_{\text{total}}$ — 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	+Bityukov, Borisov+	(VES Collab.)
BELADIDZE	92D	ZPHY C57 13	+Berdnikov+	(VES Collab.)
ALDE	91B	SJNP 54 455	+Binon+	(SERP, BELG, LANL, LAPP, PISA, KEK)
		Translated from YAF 54 751.		
Also	92	PL B276 375	Alde, Binon+	(BELG, SERP, KEK, LANL, LAPP)
ALDE	90	PL B241 600	+Binon+	(SERP, BELG, LANL, LAPP, PISA, KEK)
ALDE	89	PL B216 447	+Binon, Bricman, Donskov+	(SERP, BELG, LANL, LAPP)
Also	88E	SJNP 48 1035	Alde, Binon, Bricman+	(BELG, SERP, LANL, LAPP)
		Translated from YAF 48 1724.		
ALDE	89B	PL B216 451	+Binon, Bricman+	(SERP, BELG, LANL, LAPP, TBIL)
BALOSHIN	86	SJNP 43 959	+Barkov, Bolonkin, Vladimirskii, Grigoriev+	(ITEP)
		Translated from YAF 43 1487.		

OTHER RELATED PAPERS

LEE	94	PL B323 227	+Chung, Kirk+	(BNL, IND, KYUN, MASD, RICE)