X(1740)

$I^G(J^{PC}) = 0^+(\text{even}^{++})$

OMITTED FROM SUMMARY TABLE

Seen as a narrow state decaying to $\eta\eta$. $J^P = 0^+$ or 2^+, needs confirmation.

X(1740) MASS

VALUE (MeV)	DOCUMENT ID		TECN	COMMENT
1744±15	[1] ALDE	92D	GAM2	38 $\pi^- p \to \eta\eta N^*$

[1] ALDE 92D combines all the GAMS-2000 data.

X(1740) WIDTH

VALUE (MeV)	CL%	DOCUMENT ID		TECN	COMMENT
<80	90	[2] ALDE	92D	GAM2	38 $\pi^- p \to \eta\eta N^*$

[2] ALDE 92D combines all the GAMS-2000 data.

X(1740) DECAY MODES

	Mode
Γ_1	$\eta\eta$
Γ_2	$\pi^0\pi^0$
Γ_3	$\eta\eta'$

X(1740) BRANCHING RATIOS

$\Gamma(\pi^0\pi^0)/\Gamma(\eta\eta)$ — Γ_2/Γ_1

VALUE	CL%	DOCUMENT ID		TECN	COMMENT
• • • We do not use the following data for averages, fits, limits, etc. • • •					
<1	90	ALDE	92D	GAM2	38 $\pi^- p \to \eta\eta N^*$

$\Gamma(\eta\eta')/\Gamma(\eta\eta)$ — Γ_3/Γ_1

VALUE	CL%	DOCUMENT ID		TECN	COMMENT
• • • We do not use the following data for averages, fits, limits, etc. • • •					
<1	90	ALDE	92D	GAM2	38 $\pi^- p \to \eta\eta N^*$

X(1740) REFERENCES

ALDE 92D PL B284 457 +Binon, Bricman+ (GAM2 Collab.)
Also 91 SJNP 54 451 Alde, Binon, Bricman+ (GAM2 Collab.)
Translated from YAF 54 745.

OTHER RELATED PAPERS

ALDE 86C PL B182 105 +Binon, Bricman+ (SERP, BELG, LANL, LAPP)