

X(3900)⁰

$$I(J^P) = ?(??)$$

OMITTED FROM SUMMARY TABLE

Seen by XIAO 13A in $e^+e^- \rightarrow \pi^0 X^0$, $X^0 \rightarrow \pi^0 J/\psi$ at $\sqrt{s} = 4170$ MeV. Likely the isospin partner of the $X(3900)^\pm$.

X(3900)⁰ MASS

VALUE (MeV)	EVTS	DOCUMENT ID	COMMENT
3904±9±5	25 ± 7	¹ XIAO	13A 4.17 e ⁺ e ⁻ → π ⁺ π ⁻ J/ψ

¹ For $M^2(\pi^0\pi^0) < 0.65$ GeV² and fixed width of 37 MeV. The signal has 3.5σ significance including systematic uncertainties. Obtained by analyzing CLEO-c data but not authored by the CLEO Collaboration.

X(3900)⁰ DECAY MODES

Mode	Fraction (Γ _i /Γ)
Γ ₁ J/ψπ ⁰	seen

X(3900)⁰ BRANCHING RATIOS

Γ(J/ψπ ⁰)/Γ _{total}	EVTS	DOCUMENT ID	COMMENT	Γ ₁ /Γ
seen	25 ± 7	¹ XIAO	13A 4.17 e ⁺ e ⁻ → π ⁺ π ⁻ J/ψ	

¹ Obtained by analyzing CLEO-c data but not authored by the CLEO Collaboration.

X(3900)⁰ REFERENCES

XIAO	13A	PL B727 366	T. Xiao <i>et al.</i>	(NWES)
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