X(4350)

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

OMITTED FROM SUMMARY TABLE

Seen by SHEN 10 in the $\gamma\gamma \to J/\psi\phi$. Needs confirmation.

X(4350) MASS

VALUE (MeV)	EVTS	DOCUMENT ID		TECN	COMMENT
$\mathbf{4350.6^{+4.6}_{-5.1} \pm 0.7}$	$8.8^{+4.2}_{-3.2}$	[1] SHEN	10	BELL	10.6 $e^+e^- \to e^+e^- J/\psi\phi$

[1] Statistical significance of 3.2 σ.

X(4350) WIDTH

VALUE (MeV)	EVTS	DOCUMENT ID		TECN	COMMENT
$\mathbf{13^{+18}_{-9} \pm 4}$	$8.8^{+4.2}_{-3.2}$	[1] SHEN	10	BELL	10.6 $e^+e^- \to e^+e^- J/\psi\phi$

[1] Statistical significance of 3.2 σ.

X(4350) DECAY MODES

	Mode	Fraction (Γ_i/Γ)
Γ_1	$J/\psi\phi$	seen
Γ_2	$\gamma\gamma$	seen

X(4350) Γ(i)Γ(γγ)/Γ(total)

$\Gamma(\gamma\gamma) \times \Gamma(J/\psi\phi)/\Gamma_{total}$ — $\Gamma_2\Gamma_1/\Gamma$

VALUE (eV)	EVTS	DOCUMENT ID		TECN	COMMENT
$\mathbf{6.7^{+3.2}_{-2.4} \pm 1.1}$	$8.8^{+4.2}_{-3.2}$	[1] SHEN	10	BELL	10.6 $e^+e^- \to e^+e^- J/\psi\phi$
• • • We do not use the following data for averages, fits, limits, etc. • • •					
$1.5^{+0.7}_{-0.6} \pm 0.3$	$8.8^{+4.2}_{-3.2}$	[2] SHEN	10	BELL	10.6 $e^+e^- \to e^+e^- J/\psi\phi$

[1] For $J^P = 0^+$. Statistical significance of 3.2 σ.
[2] For $J^P = 2^+$. Statistical significance of 3.2 σ.

X(4350) BRANCHING RATIOS

$\Gamma(J/\psi\phi)/\Gamma_{total}$ — Γ_1/Γ

VALUE	DOCUMENT ID		TECN	COMMENT
seen	[1] SHEN	10	BELL	10.6 $e^+e^- \to e^+e^- J/\psi\phi$

[1] Statistical significance of 3.2 σ.

$\Gamma(\gamma\gamma)/\Gamma_{total}$ **Γ_2/Γ**

VALUE	*DOCUMENT ID*		*TECN*	*COMMENT*
seen	[1] SHEN	10	BELL	10.6 $e^+e^- \rightarrow e^+e^- J/\psi\phi$

[1] Statistical significance of 3.2 σ.

X(4350) REFERENCES

SHEN 10 PRL 104 112004 C.P. Shen *et al.* (BELLE Collab.)