

X(4350)

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

OMITTED FROM SUMMARY TABLE

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

X(4350) MASS

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

¹ Statistical significance of 3.2 σ .

X(4350) WIDTH

VALUE (MeV)	EVTS	DOCUMENT ID	TECN	COMMENT
$13^{+18}_{-9} \pm 4$	$8.8^{+4.2}_{-3.2}$	² SHEN	10 BELL	$10.6 e^+ e^- \rightarrow e^+ e^- J/\psi\phi$

² 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) $\Gamma(i)\Gamma(\gamma\gamma)/\Gamma(\text{total})$

$\Gamma(\gamma\gamma) \times \Gamma(J/\psi\phi)/\Gamma_{\text{total}}$	EVTS	DOCUMENT ID	TECN	COMMENT	$\Gamma_2\Gamma_1/\Gamma$
$6.7^{+3.2}_{-2.4} \pm 1.1$	$8.8^{+4.2}_{-3.2}$	³ SHEN	10 BELL	$10.6 e^+ e^- \rightarrow e^+ e^- J/\psi\phi$	

• • • We do not use the following data for averages, fits, limits, etc. • • •

$1.5^{+0.7}_{-0.6} \pm 0.3$	$8.8^{+4.2}_{-3.2}$	⁴ SHEN	10 BELL	$10.6 e^+ e^- \rightarrow e^+ e^- J/\psi\phi$
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³ For $J^P = 0^+$. Statistical significance of 3.2 σ .

⁴ For $J^P = 2^+$. Statistical significance of 3.2 σ .

X(4350) BRANCHING RATIOS

$\Gamma(J/\psi\phi)/\Gamma_{\text{total}}$	DOCUMENT ID	TECN	COMMENT	Γ_1/Γ
seen	⁵ SHEN	10 BELL	$10.6 e^+ e^- \rightarrow e^+ e^- J/\psi\phi$	

⁵ Statistical significance of 3.2 σ .

$\Gamma(\gamma\gamma)/\Gamma_{\text{total}}$				Γ_2/Γ
<i>VALUE</i>	<i>DOCUMENT ID</i>	<i>TECN</i>	<i>COMMENT</i>	
seen	⁶ SHEN	10	BELL	10.6 $e^+e^- \rightarrow e^+e^- J/\psi\phi$

⁶Statistical significance of 3.2 σ .

X(4350) REFERENCES

SHEN	10	PRL 104 112004	C.P. Shen <i>et al.</i>	(BELLE Collab.)
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