NODE=M194

$X(4350)$

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

OMITTED FROM SUMMARY TABLE

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

NODE=M194

X(4350) MASS

NODE=M194M

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 $e^+e^- \to e^+e^- J/\psi\phi$

NODE=M194M

[1] Statistical significance of 3.2 σ.

NODE=M194M;LINKAGE=SH

X(4350) WIDTH

NODE=M194W

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

NODE=M194W

[1] Statistical significance of 3.2 σ.

NODE=M194W;LINKAGE=SH

X(4350) DECAY MODES

NODE=M194215;NODE=M194

	Mode	Fraction (Γ_i/Γ)	
Γ_1	$J/\psi\phi$	seen	DESIG=1
Γ_2	$\gamma\gamma$	seen	DESIG=2

X(4350) Γ(i)Γ(γγ)/Γ(total)

NODE=M194220

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

NODE=M194G01

VALUE (eV)	EVTS	DOCUMENT ID		TECN	COMMENT
$6.7^{+3.2}_{-2.4} \pm 1.1$	$8.8^{+4.2}_{-3.2}$	[1] SHEN	10	BELL	10.6 $e^+e^- \to e^+e^- J/\psi\phi$

NODE=M194G01

• • • 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 $e^+e^- \to e^+e^- J/\psi\phi$

OCCUR=2

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

NODE=M194G01;LINKAGE=S0

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

NODE=M194G01;LINKAGE=S2

X(4350) BRANCHING RATIOS

NODE=M194225

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

NODE=M194R01

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

NODE=M194R01

[1] Statistical significance of 3.2 σ.

NODE=M194R01;LINKAGE=SH

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

NODE=M194R02

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

NODE=M194R02

[1] Statistical significance of 3.2 σ.

NODE=M194R02;LINKAGE=SH

X(4350) REFERENCES

NODE=M194

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

REFID=53235