$X(2370)$

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

OMITTED FROM SUMMARY TABLE

$X(2370)$ MASS

VALUE (MeV)	EVTS	DOCUMENT ID	TECN	COMMENT
2357 ±17 OUR AVERAGE	Error includes scale factor of 2.7.			
$2341.6\pm 6.5\pm 5.7$		[1] ABLIKIM	20Q BES3	$J/\psi \to \gamma K \overline{K} \eta'$
$2376.3\pm 8.7^{+3.2}_{-4.3}$	565	ABLIKIM	11C BES3	$J/\psi \to \gamma \pi^+ \pi^- \eta'$

[1] The state observed by ABLIKIM 11C at 2120 MeV is not observed with 90% CL upper limit of 1.49×10^{-5} for $J/\psi \to \gamma X(2120) \to \gamma K^+ K^- \eta'$ and 6.38×10^{-6} for $K^0_S K^0_S \eta'$.

$X(2370)$ WIDTH

VALUE (MeV)	DOCUMENT ID	TECN	COMMENT
114^{+12}_{-10} OUR AVERAGE			
$117\pm10\pm 8$	[1] ABLIKIM	20Q BES3	$J/\psi \to \gamma K \overline{K} \eta'$
$83\pm17^{+44}_{-6}$	ABLIKIM	11C BES3	$J/\psi \to \gamma \pi^+ \pi^- \eta'$

[1] The state observed by ABLIKIM 11C at 2120 MeV is not observed with 90% CL upper limit of 1.49×10^{-5} for $J/\psi \to \gamma X(2120) \to \gamma K^+ K^- \eta'$ and 6.38×10^{-6} for $K^0_S K^0_S \eta'$.

$X(2370)$ DECAY MODES

	Mode	Fraction (Γ_i/Γ)
Γ_1	$K^+ K^- \eta'$	seen
Γ_2	$K^0_S K^0_S \eta'$	seen
Γ_3	$\pi^+ \pi^- \eta'$	seen

$X(2370)$ BRANCHING RATIOS

$\Gamma(K^+ K^- \eta')/\Gamma_{total}$ — Γ_1/Γ

VALUE	DOCUMENT ID	TECN	COMMENT
seen	ABLIKIM	20Q BES3	$J/\psi \to \gamma K^+ K^- \eta'$

$\Gamma(K^0_S K^0_S \eta')/\Gamma_{total}$ — Γ_2/Γ

VALUE	DOCUMENT ID	TECN	COMMENT
seen	ABLIKIM	20Q BES3	$J/\psi \to \gamma K^0_S K^0_S \eta'$

$\Gamma\left(\pi^+\pi^-\eta'\right)/\Gamma_{\text{total}}$ $\qquad\qquad\qquad\qquad\qquad\qquad\qquad\qquad$ Γ_3/Γ

VALUE	DOCUMENT ID		TECN	COMMENT
seen	ABLIKIM	11C	BES3	$J/\psi \to \gamma\pi^+\pi^-\eta'$

X(2370) REFERENCES

ABLIKIM	20Q	EPJ C80 746	M. Ablikim *et al.*	(BESIII Collab.)
ABLIKIM	11C	PRL 106 072002	M. Ablikim *et al.*	(BESIII Collab.)