Reference   =   ABLIKIM 15C; PRL 114 092003
Verifier code   =   BES3

Normally we send all verifications for one experiment to one person, usually the spokesperson or data-analysis coordinator, who then distributes them to the appropriate people. Please tell us if we should send the verifications for your experiment to someone else.

PLEASE READ NOW

PLEASE REPLY WITHIN ONE WEEK

Xiao-Rui Lyu

EMAIL: xiaorui@ucas.ac.cn

July 21, 2016

Dear Colleague,

(1) Please check the results of your experiment carefully. They are marked.

(2) Please reply within one week.

(3) Please reply even if everything is correct.

(4) IMPORTANT!! Please tell WHICH papers you are verifying. We have lots of requests out.

(5) Feel free to make comments on our treatment of any of the results (not just yours) you see.

Thank you for helping us make the Review accurate and useful.

Sincerely,

Simon Eidelman
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Russian Federation

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$c\bar{c}$ MESONS

$X(4230)$ $\qquad I^G(J^{PC}) = ?^?(1^{--})$

OMITTED FROM SUMMARY TABLE

Enhancement reported by ABLIKIM 15C in $e^+e^- \to \omega\chi_{c0}$ at $\sqrt{s}$ = 4.23–4.26 GeV at 9σ significance. Lineshape found to be inconsistent with origination from $X(4260)$. NEEDS CONFIRMATION.

$X(4230)$ MASS

	VALUE (MeV)	EVTS	DOCUMENT ID	TECN	COMMENT
YOUR DATA	**4230±8±6**	180	[1] ABLIKIM 15C	BES3	$e^+e^- \to \omega\chi_{c0}$

YOUR NOTE   [1] From a 3-parameter fit of measured cross sections from $\sqrt{s}$ = 4.21–4.42 GeV to a phase-space modified Breit-Wigner function, using the decays $\chi_{c0} \to \pi^+\pi^-$, $\chi_{c0} \to K^+K^-$, and $\omega \to \pi^+\pi^-\pi^0$.

$X(4230)$ WIDTH

	VALUE (MeV)	EVTS	DOCUMENT ID	TECN	COMMENT
YOUR DATA	**38±12±2**	180	[1] ABLIKIM 15C	BES3	$e^+e^- \to \omega\chi_{c0}$

YOUR NOTE   [1] From a 3-parameter fit of measured cross sections from $\sqrt{s}$ = 4.21–4.42 GeV to a phase-space modified Breit-Wigner function, using the decays $\chi_{c0} \to \pi^+\pi^-$, $\chi_{c0} \to K^+K^-$, and $\omega \to \pi^+\pi^-\pi^0$.

$X(4230)$ $\Gamma(i)\Gamma(e^+e^-)/\Gamma(total)$

$\Gamma(\omega\chi_{c0}) \times \Gamma(e^+e^-)/\Gamma_{total}$ $\Gamma_2\Gamma_1/\Gamma$

	VALUE (eV)	EVTS	DOCUMENT ID	TECN	COMMENT
YOUR DATA	**2.7±0.5±0.4**	180	[1] ABLIKIM 15C	BES3	$e^+e^- \to \omega\chi_{c0}$

YOUR NOTE   [1] From a 3-parameter fit of measured cross sections from $\sqrt{s}$ = 4.21–4.42 GeV to a phase-space modified Breit-Wigner function, using the decays $\chi_{c0} \to \pi^+\pi^-$, $\chi_{c0} \to K^+K^-$, and $\omega \to \pi^+\pi^-\pi^0$.

$X(4230)$ BRANCHING RATIOS

$\Gamma(\omega\chi_{c0})/\Gamma_{total}$ Γ_2/Γ

	VALUE	EVTS	DOCUMENT ID	TECN	COMMENT
YOUR DATA	**seen**	180	[1] ABLIKIM 15C	BES3	$e^+e^- \to \omega\chi_{c0}$

YOUR NOTE   [1] From a 3-parameter fit of measured cross sections from $\sqrt{s}$ = 4.21–4.42 GeV to a phase-space modified Breit-Wigner function, using the decays $\chi_{c0} \to \pi^+\pi^-$, $\chi_{c0} \to K^+K^-$, and $\omega \to \pi^+\pi^-\pi^0$.

$X(4230)$ REFERENCES

YOUR PAPER   ABLIKIM   15C   PRL 114 092003   M. Ablikim *et al.*   (BES III Collab.)