Reference = ABLIKIM 15R; PR D92 032009

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 BINP, Budker Inst. of Nuclear Physics Prospekt Lavrent'eva 11 RU-630090 Novosibirsk Russian Federation

EMAIL: simon.eidelman@cern.ch

## cc MESONS

NODE=MXXX025

X(3900)

$$I^{G}(J^{PC}) = 1^{+}(1^{+})$$

NODE=M210

NODE=M210

Charged X(3900) seen as a peak in the invariant mass distribution of the  $J/\psi\pi^\pm$  system by BES III (ABLIKIM 13T) in  $e^+e^-\to\pi^+\pi^-J/\psi$  at c.m. energy of 4.26 GeV and by radiative return from  $e^+e^-$  collisions at  $\sqrt{s}$  from 9.46 to 10.86 GeV at Belle (LIU 13B). Angular analysis of ABLIKIM 14A and ABLIKIM 15AC favor the  $J^P=1^+$  assignment. Neutral X(3900) seen in the  $J/\psi\pi^0$  invariant mass distribution in  $e^+e^-\to\pi^0\pi^0J/\psi$  at c.m. energies of 4.23, 4.26, and 4.36 GeV by BES III (ABLIKIM 15U) and at 4.17 GeV by XIAO 13A. Peaks in  $(D\,\overline{D}^*)^{0,\pm}$  reported by BES III (ABLIKIM 14A, ABLIKIM 15AB) are assumed to be related.

## X(3900) BRANCHING RATIOS

NODE=M210225

NODE=M210R00 NODE=M210R00

$\Gamma(\omega\pi^{\pm})/\Gamma_{total}$					Γ <sub>6</sub> /Γ
VALUE	DOCUMENT ID		TECN	<u>CHG</u>	COMMENT
not seen	ABLIKIM	<b>15</b> R	BES3	$\pm$	$e^+e^-  ightarrow \ \omega  \pi^+\pi^-$

## X(3900) REFERENCES

NODE=M210

YOUR PAPER

YOUR DATA

	A A A L	ABLIKIM ABLIKIM ABLIKIM ABLIKIM ABLIKIM ABLIKIM IU KIAO	15AC 15R 15U 14A 13T 13B	PRL 115 222002 PR D92 092006 PR D92 032009 PRL 115 112003 PRL 112 022001 PRL 110 252001 PRL 110 252002 PL B727 366	M. Ablikim et al. M. Ablikim et al. M. Ablikim et al.	(BES III Collab.) (BES III Collab.) JP (BES III Collab.) (BELLE Collab.) (NWES)	REFID=56954 REFID=56967 REFID=56783 REFID=55786 REFID=55648 REFID=55409 REFID=55410 REFID=55593
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