Reference = SHEN 14; PR D89 072015
Verifier code = BELLE

Normally we send all verifications for one experiment to one person, usually the spokesperson or data-analysis co-ordinator, 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

Karim Trabelsi

EMAIL: karim.trabelsi@kek.jp

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

$c\bar{c}$ MESONS

NODE=MXXX025

NODE=M074

$X(4260)$

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

Seen in radiative return from e^+e^- collisions at $\sqrt{s} = 9.54$–10.58 GeV by AUBERT,B 05I, HE 06B, and YUAN 07, and in e^+e^- collisions at $\sqrt{s} \approx 4.26$ GeV by COAN 06. Possibly seen by AUBERT 06 in $B^- \to K^-\pi^+\pi^- J/\psi$. See also the mini-review under the $X(3872)$. (See the index for the page number.)

NODE=M074

$X(4260)$ $\Gamma(i) \times \Gamma(e^+e^-)/\Gamma(\text{total})$

NODE=M074230

$\Gamma(J/\psi K^+K^-) \times \Gamma(e^+e^-)/\Gamma_{\text{total}}$ $\Gamma_6\Gamma_1/\Gamma$

NODE=M074G3
NODE=M074G3

	VALUE (eV)	CL%	DOCUMENT ID		TECN	COMMENT
YOUR DATA	**<1.7**	90	[1] SHEN	14	BELL	9.4–10.9 $e^+e^- \to \gamma K^+K^- J/\psi$

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

<1.2	90	[2] YUAN	08	BELL	$e^+e^- \to \gamma K^+K^- J/\psi$

YOUR NOTE [1] From a fit of the broad $K^+K^- J/\psi$ enhancement including a coherent $X(4260)$ amplitude with mass and width from LIU 13B. Supersedes YUAN 08.

NODE=M074G3;LINKAGE=A

[2] From a fit of the broad $K^+K^- J/\psi$ enhancement including a coherent $X(4260)$ amplitude with mass and width from YUAN 07.

NODE=M074G3;LINKAGE=YU

$\Gamma(J/\psi K^0_S K^0_S) \times \Gamma(e^+e^-)/\Gamma_{\text{total}}$ $\Gamma_7\Gamma_1/\Gamma$

NODE=M074G02
NODE=M074G02

	VALUE (eV)	CL%	DOCUMENT ID		TECN	COMMENT
YOUR DATA	**<0.85**	90	[1] SHEN	14	BELL	9.4–10.9 $e^+e^- \to \gamma K^0_S K^0_S J/\psi$

YOUR NOTE [1] From a fit of the $K^0_S K^0_S J/\psi$ mass range from 4.4 to 5.5 GeV including a coherent $X(4260)$ amplitude with mass and width from LIU 13B.

NODE=M074G02;LINKAGE=A

$X(4260)$ BRANCHING RATIOS

NODE=M074240

$\Gamma(J/\psi K^0_S K^0_S)/\Gamma_{\text{total}}$ Γ_7/Γ

NODE=M074R27
NODE=M074R27

	VALUE	DOCUMENT ID		TECN	COMMENT
YOUR DATA	**not seen**	SHEN	14	BELL	9.4–10.9 $e^+e^- \to \gamma K^0_S K^0_S J/\psi$

$X(4260)$ REFERENCES

NODE=M074

YOUR PAPER	SHEN	14	PR D89 072015	C.P. Shen *et al.*	(BELLE Collab.)	REFID=55944
	LIU	13B	PRL 110 252002	Z.Q. Liu *et al.*	(BELLE Collab.)	REFID=55410
	YUAN	08	PR D77 011105	C.Z. Yuan *et al.*	(BELLE Collab.)	REFID=52135
	YUAN	07	PRL 99 182004	C.Z. Yuan *et al.*	(BELLE Collab.)	REFID=51960
	AUBERT	06	PR D73 011101	B. Aubert *et al.*	(BABAR Collab.)	REFID=51017
	COAN	06	PRL 96 162003	T.E. Coan *et al.*	(CLEO Collab.)	REFID=51075
	HE	06B	PR D74 091104	Q. He *et al.*	(CLEO Collab.)	REFID=51523
	AUBERT,B	05I	PRL 95 142001	B. Aubert *et al.*	(BABAR Collab.)	REFID=50776