Reference = ABLIKIM 16M; PR D93 072008
Verifier code = BES3

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

Xiao-Rui Lyu

EMAIL: xiaorui@ucas.ac.cn

March 20, 2017

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

LIGHT UNFLAVORED MESONS ($S = C = B = 0$)

NODE=MXXX005

For $I = 1$ (π, b, ρ, a): $u\overline{d}$, $(u\overline{u}-d\overline{d})/\sqrt{2}$, $d\overline{u}$;
for $I = 0$ (η, η', h, h', ω, ϕ, f, f'): $c_1(u\overline{u} + d\overline{d}) + c_2(s\overline{s})$

NODE=MXXX005

NODE=M002

$\eta'(958)$

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

$\eta'(958)$ BRANCHING RATIOS

NODE=M002230

$\Gamma(K^{\pm}\pi^{\mp})/\Gamma(\rho^0\gamma$(including non-resonant $\pi^+\pi^-\gamma$)) Γ_{20}/Γ_2

NODE=M002R61
NODE=M002R61

	VALUE	CL%	DOCUMENT ID		TECN	COMMENT
YOUR DATA	**$<1.3 \times 10^{-4}$**	90	ABLIKIM	16M	BES3	$e^+e^- \to J/\psi \to$ hadrons

$\eta'(958)$ REFERENCES

NODE=M002

						REFID
YOUR PAPER	ABLIKIM	16M	PR D93 072008	M. Ablikim *et al.*	(BES III Collab.)	57511

$c\overline{c}$ MESONS

NODE=MXXX025

NODE=M070

$J/\psi(1S)$

$I^G(J^{PC}) = 0^-(1^{--})$

$J/\psi(1S)$ BRANCHING RATIOS

NODE=M070230

HADRONIC DECAYS

NODE=M070305

$\Gamma(\phi\eta'(958))/\Gamma_{\text{total}}$ Γ_{64}/Γ

NODE=M070R38
NODE=M070R38

	VALUE (units 10^{-4})	CL%	EVTS	DOCUMENT ID		TECN	COMMENT
	4.6 ±0.5 OUR AVERAGE			Error includes scale factor of 2.2. See the ideogram below.			
YOUR DATA	$5.10 \pm 0.03 \pm 0.32$		31k	ABLIKIM	16M	BES3	$e^+e^- \to J/\psi \to$ hadrons
	$5.46 \pm 0.31 \pm 0.56$			ABLIKIM	05B	BES2	$e^+e^- \to J/\psi \to$ hadrons
	$4.1 \pm 0.3 \pm 0.8$		167	JOUSSET	90	DM2	$J/\psi \to$ hadrons
	$3.08 \pm 0.34 \pm 0.36$			COFFMAN	88	MRK3	$e^+e^- \to K^+K^-\eta'$
	• • • We do not use the following data for averages, fits, limits, etc. • • •						
	< 13	90		VANNUCCI	77	MRK1	e^+e^-

$J/\psi(1S)$ REFERENCES

NODE=M070

						REFID
YOUR PAPER	ABLIKIM	16M	PR D93 072008	M. Ablikim *et al.*	(BES III Collab.)	57511
	ABLIKIM	05B	PR D71 032003	M. Ablikim *et al.*	(BES Collab.)	50496
	JOUSSET	90	PR D41 1389	J. Jousset *et al.*	(DM2 Collab.)	41349
	COFFMAN	88	PR D38 2695	D.M. Coffman *et al.*	(Mark III Collab.)	40346
	VANNUCCI	77	PR D15 1814	F. Vannucci *et al.*	(SLAC, LBL)	22063