Reference = ABLIKIM 16P; PR D94 072005
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

# $c\bar{c}$ MESONS

NODE=MXXX025

NODE=M070

## $J/\psi(1S)$

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

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

NODE=M070230

#### RADIATIVE DECAYS

NODE=M070310

**$\Gamma(\gamma\eta\pi^0)/\Gamma_{total}$** **$\Gamma_{161}/\Gamma$**

NODE=M070P01
NODE=M070P01

| | VALUE (units $10^{-6}$) | EVTS | DOCUMENT ID | | TECN | COMMENT |
|---|---|---|---|---|---|---|
| YOUR DATA | **21.4±1.8±2.5** | 596 | ABLIKIM | 16P | BES3 | $J/\psi \to 5\gamma$ |

**$\Gamma(\gamma a_0(980)^0 \to \gamma\eta\pi^0)/\Gamma_{total}$** **$\Gamma_{162}/\Gamma$**

NODE=M070P02
NODE=M070P02

| | VALUE | CL% | DOCUMENT ID | | TECN | COMMENT |
|---|---|---|---|---|---|---|
| YOUR DATA | **$<2.5\times10^{-6}$** | 95 | ABLIKIM | 16P | BES3 | $J/\psi \to 5\gamma$ |

**$\Gamma(\gamma a_2(1320)^0 \to \gamma\eta\pi^0)/\Gamma_{total}$** **$\Gamma_{163}/\Gamma$**

NODE=M070P03
NODE=M070P03

| | VALUE | CL% | DOCUMENT ID | | TECN | COMMENT |
|---|---|---|---|---|---|---|
| YOUR DATA | **$<6.6\times10^{-6}$** | 95 | ABLIKIM | 16P | BES3 | $J/\psi \to 5\gamma$ |

### $J/\psi(1S)$ REFERENCES

NODE=M070

YOUR PAPER ABLIKIM 16P PR D94 072005 M. Ablikim *et al.* (BES III Collab.)

REFID=57522