

Reference = ABLIKIM 14R; PR D90 112014
Verifier code = BES3

PLEASE READ NOW



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.

Xiao-Rui Lyu

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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,

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c \bar{c} MESONS

J/ ψ (1S)

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

NODE=MXXX025

NODE=M070

J/ ψ (1S) BRANCHING RATIOS

NODE=M070230

WEAK DECAYS

NODE=M070320

$\Gamma(D_s^- e^+ \nu_e + \text{c.c.})/\Gamma_{\text{total}}$ Γ_{215}/Γ

NODE=M070S55

NODE=M070S55

| VALUE (units 10 ⁻⁶) | CL% | DOCUMENT ID | TECN | COMMENT |
|---------------------------------|-----|-------------|------|---------|
|---------------------------------|-----|-------------|------|---------|

YOUR DATA

| | | | | | |
|-----------------|----|---------|-----|------|---|
| < 1.3 | 90 | ABLIKIM | 14R | BES3 | e ⁺ e ⁻ → J/ ψ |
|-----------------|----|---------|-----|------|---|

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

| | | | | | |
|---------------|----|----------------------|-----|------|---|
| <36 | 90 | ¹ ABLIKIM | 06M | BES2 | e ⁺ e ⁻ → J/ ψ |
|---------------|----|----------------------|-----|------|---|

¹Using B(D_s⁻ → $\phi\pi^-$) = 4.4 ± 0.5 %.

NODE=M070S55;LINKAGE=AB

$\Gamma(D_s^{*-} e^+ \nu_e + \text{c.c.})/\Gamma_{\text{total}}$ Γ_{216}/Γ

NODE=M070B13

NODE=M070B13

| VALUE | CL% | DOCUMENT ID | TECN | COMMENT |
|-------|-----|-------------|------|---------|
|-------|-----|-------------|------|---------|

YOUR DATA

| | | | | | |
|----------------------------------|----|---------|-----|------|---|
| <1.8 × 10⁻⁶ | 90 | ABLIKIM | 14R | BES3 | e ⁺ e ⁻ → J/ ψ |
|----------------------------------|----|---------|-----|------|---|

J/ ψ (1S) REFERENCES

NODE=M070

YOUR PAPER

| | | | | |
|---------|-----|---------------|--------------------------|-------------------|
| ABLIKIM | 14R | PR D90 112014 | M. Ablikim <i>et al.</i> | (BES III Collab.) |
| ABLIKIM | 06M | PL B639 418 | M. Ablikim <i>et al.</i> | (BES Collab.) |

REFID=56388

REFID=51130