

Reference = ABLIKIM 16I; PRL 116 251802  
Verifier code = BES3

*PLEASE READ NOW*

*PLEASE  
REPLY  
WITHIN  
ONE WEEK*

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

EMAIL: xiaorui@ucas.ac.cn

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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,

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$c\bar{c}$  MESONS

$h_c(1P)$

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

Quantum numbers are quark model prediction, C = – established by  $\eta_c\gamma$  decay.

NODE=MXXX025

NODE=M144

NODE=M144

$h_c(1P)$  BRANCHING RATIOS

NODE=M144225

RADIATIVE DECAYS

NODE=M144230

$\Gamma(\gamma\eta)/\Gamma_{\text{total}}$					$\Gamma_7/\Gamma$
VALUE (units $10^{-4}$ )	EVTs	DOCUMENT ID	TECN	COMMENT	
YOUR DATA <b><math>4.7\pm 1.5\pm 1.4</math></b>	18	ABLIKIM	16I	BES3	$\psi(2S) \rightarrow \pi^0\gamma\eta$

NODE=M144R06  
NODE=M144R06

$\Gamma(\gamma\eta'(958))/\Gamma_{\text{total}}$					$\Gamma_8/\Gamma$
VALUE (units $10^{-3}$ )	EVTs	DOCUMENT ID	TECN	COMMENT	
YOUR DATA <b><math>1.52\pm 0.27\pm 0.29</math></b>	44	ABLIKIM	16I	BES3	$\psi(2S) \rightarrow \pi^0\gamma\eta'(958)$

NODE=M144R00  
NODE=M144R00

$h_c(1P)$  REFERENCES

NODE=M144

YOUR PAPER   ABLIKIM   16I   PRL 116 251802   M. Ablikim *et al.*   (BES III Collab.)

REFID=57450