

Reference = ABLIKIM 15G; PR D92 012014
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

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

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

NODE=MXXX005

NODE=MXXX005

NODE=M002

$\eta'(958)$

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

$\eta'(958)$ β PARAMETER
 $|\text{MATRIX ELEMENT}|^2 = (1 + 2\beta Z)$

NODE=M002226

See the "Note on η Decay Parameters" in our 1994 edition Physical Review
D50 1173 (1994), p. 1454.

NODE=M002226

β decay parameter

	VALUE	EVTS	DOCUMENT ID	TECN	COMMENT
	-0.61 ±0.08 OUR AVERAGE		Error includes scale factor of 1.2.		
YOUR DATA	-0.640±0.046±0.047	1.8k	ABLIKIM	15G BES3	$J/\psi \rightarrow \gamma(\pi^0\pi^0\pi^0)$
	-0.59 ±0.18	235	BLIK	08 GAMS	$32\pi^-p \rightarrow \eta' n$
	-0.1 ±0.3		ALDE	87B GAM2	$38\pi^-p \rightarrow n3\pi^0$

NODE=M002B0
NODE=M002B0

$\eta'(958)$ REFERENCES

NODE=M002

YOUR PAPER	ABLIKIM	15G	PR D92 012014	M. Ablikim <i>et al.</i>	(BES III Collab.)
	BLIK	08	PAN 71 2124	A. Blik <i>et al.</i>	(GAMS-4 π Collab.)
			Translated from YAF 71 2161.		
	PDG	94	PR D50 1173	L. Montanet <i>et al.</i>	(CERN, LBL, BOST+)
	ALDE	87B	ZPHY C36 603	D.M. Alde <i>et al.</i>	(LANL, BELG, SERP, LAPP)

REFID=56602
REFID=52663
REFID=43653
REFID=40236