Reference = ACHASOV 14; PR D90 032002
Verifier code = KARDAPOLTS

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

Leonid V. Kardapoltsev

EMAIL: l.v.kardapoltsev@inp.nsk.su

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,

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=M105

$\rho(1450)$

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

See our mini-review under the $\rho(1700)$.

NODE=M105

$\rho(1450)$ BRANCHING RATIOS

NODE=M105225

$\Gamma(\eta\rho)/\Gamma_{total}$ **Γ_{10}/Γ**

NODE=M105R2
NODE=M105R2

	VALUE	EVTS	DOCUMENT ID		TECN	COMMENT
YOUR DATA	**seen**	35	[1] ACHASOV	14	SND	1.15–2.00 $e^+e^- \to \eta\gamma$
	• • • We do not use the following data for averages, fits, limits, etc. • • •					
	<0.04		DONNACHIE	87B	RVUE	

$\Gamma(\eta\gamma)/\Gamma_{total}$ **Γ_{14}/Γ**

NODE=M105R06
NODE=M105R06

	VALUE	EVTS	DOCUMENT ID		TECN	COMMENT
YOUR DATA	**seen**	35	[1] ACHASOV	14	SND	1.15–2.00 $e^+e^- \to \eta\gamma$

YOUR NOTE [1] From a phenomenological model based on vector meson dominance with $\rho(1450)$ and $\phi(1680)$ masses and widths from the PDG 12.

NODE=M105R2;LINKAGE=A

$\rho(1450)$ REFERENCES

NODE=M105

YOUR PAPER	ACHASOV 14	PR D90 032002	M.N. Achasov *et al.*	(SND Collab.)	REFID=55912
	PDG 12	PR D86 010001	J. Beringer *et al.*	(PDG Collab.)	REFID=54066
	DONNACHIE 87B	ZPHY C34 257	A. Donnachie, A.B. Clegg	(MCHS, LANC)	REFID=40920

NODE=M067

$\phi(1680)$

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

$\phi(1680)$ BRANCHING RATIOS

NODE=M067225

$\Gamma(\eta\phi)/\Gamma_{total}$ **Γ_9/Γ**

NODE=M067R01
NODE=M067R01

	VALUE	EVTS	DOCUMENT ID		TECN	COMMENT
YOUR DATA	**seen**	35	[26] ACHASOV	14	SND	1.15–2.00 $e^+e^- \to \eta\gamma$

YOUR NOTE [26] From a phenomenological model based on vector meson dominance with $\rho(1450)$ and $\phi(1680)$ masses and widths from the PDG 12.

NODE=M067R01;LINKAGE=A

$\Gamma(\eta\gamma)/\Gamma_{total}$ **Γ_{10}/Γ**

NODE=M067R02
NODE=M067R02

	VALUE	EVTS	DOCUMENT ID		TECN	COMMENT
YOUR DATA	**seen**	35	[28] ACHASOV	14	SND	1.15–2.00 $e^+e^- \to \eta\gamma$

YOUR NOTE [28] From a phenomenological model based on vector meson dominance with $\rho(1450)$ and $\phi(1680)$ masses and widths from the PDG 12.

NODE=M067R02;LINKAGE=A

$\phi(1680)$ REFERENCES

NODE=M067

YOUR PAPER	ACHASOV 14	PR D90 032002	M.N. Achasov *et al.*	(SND Collab.)	REFID=55912
	PDG 12	PR D86 010001	J. Beringer *et al.*	(PDG Collab.)	REFID=54066