

Reference = CRONIN-HENNESSY 12; PR D86 072005
Verifier code = CLEO

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.

CLEO Analysis Coordinator

EMAIL: cleoac-lepp@cornell.edu

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

CHARMED, STRANGE MESONS
($C = S = \pm 1$)
 $D_s^+ = c\bar{s}, D_s^- = \bar{c}s,$ similarly for D_s^{*+} 's

NODE=MXXX040

NODE=MXXX040

NODE=S074

$D_s^{*\pm}$

$$I(J^P) = 0(?^?)$$

J^P is natural, width and decay modes consistent with 1^- .

NODE=S074

D_s^{*+} BRANCHING RATIOS

NODE=S074220

$\Gamma(D_s^{*+} e^+ e^-)/\Gamma(D_s^{*+} \gamma)$					Γ_3/Γ_1
VALUE (units 10^{-3})	EVTs	DOCUMENT ID	TECN	COMMENT	
YOUR DATA $7.2^{+1.5}_{-1.3} \pm 1.0$	38	CRONIN-HEN...12	CLEO	4.17 $e^+ e^- \rightarrow$ hadrons	I

NODE=S074R01
NODE=S074R01

$D_s^{*\pm}$ REFERENCES

NODE=S074

YOUR PAPER CRONIN-HEN...12 PR D86 072005 D. Cronin-Hennessey *et al.* (CLEO Collab.)

REFID=54627

Reference = BONVICINI 14; PR D89 072002
Verifier code = CLEO

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$c\bar{c}$ MESONS

$\psi(3770)$

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

NODE=MXXX025

NODE=M053

$\psi(3770)$ BRANCHING RATIOS

NODE=M053230

NODE=M053R5
NODE=M053R5

$\Gamma(D^0\bar{D}^0)/\Gamma(D^+D^-)$						Γ_2/Γ_3
VALUE	EVTS	DOCUMENT ID	TECN	COMMENT		
1.253±0.016 OUR AVERAGE						
1.252±0.009±0.013	5.3M	BONVICINI	14	CLEO	$e^+e^- \rightarrow D\bar{D}$	
1.39 ±0.31 ±0.12		PAKHLOVA	08	BELL	10.6 $e^+e^- \rightarrow D\bar{D}\gamma$	
1.78 ±0.33 ±0.24		AUBERT	07BE	BABR	$e^+e^- \rightarrow D\bar{D}\gamma$	
1.27 ±0.12 ±0.08		ABLIKIM	06L	BES2	$e^+e^- \rightarrow D\bar{D}$	
2.43 ±1.50 ±0.43	34	21 CHISTOV	04	BELL	$B^+ \rightarrow \psi(3770)K^+$	
● ● ● We do not use the following data for averages, fits, limits, etc. ● ● ●						
1.258±0.016±0.014		22 DOBBS	07	CLEO	$e^+e^- \rightarrow D\bar{D}$	
21 See ADLER 88C for older measurements of this quantity.						
22 Superseded by BONVICINI 14.						

NODE=M053R5;LINKAGE=CH
NODE=M053R5;LINKAGE=DO

$\psi(3770)$ REFERENCES

NODE=M053

YOUR PAPER	BONVICINI	14	PR D89 072002	G. Bonvicini <i>et al.</i>	(CLEO Collab.)	REFID=55798
	PAKHLOVA	08	PR D77 011103	G. Pakhlova <i>et al.</i>	(BELLE Collab.)	REFID=52132
	AUBERT	07BE	PR D76 111105	B. Aubert <i>et al.</i>	(BABAR Collab.)	REFID=52074
	DOBBS	07	PR D76 112001	S. Dobbs <i>et al.</i>	(CLEO Collab.)	REFID=52075
	ABLIKIM	06L	PRL 97 121801	M. Ablikim <i>et al.</i>	(BES Collab.)	REFID=51129
	CHISTOV	04	PRL 93 051803	R. Chistov <i>et al.</i>	(BELLE Collab.)	REFID=50002
	ADLER	88C	PRL 60 89	J. Adler <i>et al.</i>	(Mark III Collab.)	REFID=40361