

Reference = DICKSON 16; PR C93 065202
Verifier code = SCHUMACHER

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.

Reinhard A Schumacher

EMAIL: schumacher@cmu.edu

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,

Simon Eidelman
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Prospekt Lavrent'eva 11
RU-630090 Novosibirsk
Russian Federation

EMAIL: simon.eidelman@cern.ch

LIGHT UNFLAVORED MESONS

($S = C = B = 0$)

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

$f_1(1285)$

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

NODE=MXXX005

NODE=MXXX005

NODE=M008

$f_1(1285)$ MASS

NODE=M008M

NODE=M008M

VALUE (MeV)	EVTS	DOCUMENT ID	TECN	COMMENT
1281.9 $\pm$ 0.5 OUR AVERAGE		Error includes scale factor of 1.8. See the ideogram below.		
YOUR DATA 1281.0 $\pm$ 0.8		DICKSON	16 CLAS	2.55 $\gamma p \rightarrow \eta \pi^+ \pi^- p$
1287.4 $\pm$ 3.0	87	ABLIKIM	15P BES3	$J/\psi \rightarrow K^+ K^- 3\pi$
1281.16 $\pm$ 0.39 $\pm$ 0.45		1 LEES	12X BABR	$\tau^- \rightarrow \pi^- f_1(1285) \nu_\tau$
1285.1 $\pm$ 1.0 $\pm$ 1.6 $\pm$ 0.3		2 ABLIKIM	11J BES3	$J/\psi \rightarrow \omega(\eta \pi^+ \pi^-)$
1281 $\pm$ 2 $\pm$ 1		AUBERT	07AU BABR	10.6 $e^+ e^- \rightarrow f_1(1285) \pi^+ \pi^- \gamma$
1276.1 $\pm$ 8.1 $\pm$ 8.0	203	BAI	04J BES2	$J/\psi \rightarrow \gamma \gamma \pi^+ \pi^-$
1274 $\pm$ 6	237	ABDALLAH	03H DLPH	91.2 $e^+ e^- \rightarrow K_S^0 K^\pm \pi^\mp + X$
1280 $\pm$ 4		ACCIARRI	01G L3	
1288 $\pm$ 4 $\pm$ 5	20k	ADAMS	01B B852	18 GeV $\pi^- p \rightarrow K^+ K^- \pi^0 n$
1284 $\pm$ 6	1400	ALDE	97B GAM4	100 $\pi^- p \rightarrow \eta \pi^0 \pi^0 n$
1281 $\pm$ 1		BARBERIS	97B OMEG	450 $pp \rightarrow pp 2(\pi^+ \pi^-)$
1281 $\pm$ 1		BARBERIS	97C OMEG	450 $pp \rightarrow pp K_S^0 K^\pm \pi^\mp$
1280 $\pm$ 2		3 ANTINORI	95 OMEG	300,450 $pp \rightarrow pp 2(\pi^+ \pi^-)$
1282.2 $\pm$ 1.5		LEE	94 MPS2	18 $\pi^- p \rightarrow K^+ \bar{K}^0 2\pi^- p$
1279 $\pm$ 5		FUKUI	91C SPEC	8.95 $\pi^- p \rightarrow \eta \pi^+ \pi^- n$
1278 $\pm$ 2	140	ARMSTRONG	89 OMEG	300 $pp \rightarrow K \bar{K} \pi pp$
1278 $\pm$ 2		ARMSTRONG	89G OMEG	85 $\pi^+ p \rightarrow 4\pi \pi p, pp \rightarrow 4\pi pp$
1280.1 $\pm$ 2.1	60	RATH	89 MPS	21.4 $\pi^- p \rightarrow K_S^0 K_S^0 \pi^0 n$
1285 $\pm$ 1	4750	4 BIRMAN	88 MPS	8 $\pi^- p \rightarrow K^+ \bar{K}^0 \pi^- n$
1280 $\pm$ 1	504	BITYUKOV	88 SPEC	32.5 $\pi^- p \rightarrow K^+ K^- \pi^0 n$
1280 $\pm$ 4		ANDO	86 SPEC	8 $\pi^- p \rightarrow \eta \pi^+ \pi^- n$
1277 $\pm$ 2	420	REEVES	86 SPEC	6.6 $p\bar{p} \rightarrow K K \pi X$
1285 $\pm$ 2		CHUNG	85 SPEC	8 $\pi^- p \rightarrow N K \bar{K} \pi$
1279 $\pm$ 2	604	ARMSTRONG	84 OMEG	85 $\pi^+ p \rightarrow K \bar{K} \pi \pi p, pp \rightarrow K \bar{K} \pi pp$
1286 $\pm$ 1		CHAUVAT	84 SPEC	ISR 31.5 pp
1278 $\pm$ 4		EVANGELIS...	81 OMEG	12 $\pi^- p \rightarrow \eta \pi^+ \pi^- \pi^- p$
1283 $\pm$ 3	103	DIONISI	80 HBC	4 $\pi^- p \rightarrow K \bar{K} \pi n$
1282 $\pm$ 2	320	NACASCH	78 HBC	0.7,0.76 $p\bar{p} \rightarrow K \bar{K} 3\pi$
1279 $\pm$ 5	210	GRASSLER	77 HBC	16 $\pi^\mp p$
1286 $\pm$ 3	180	DUBOC	72 HBC	1.2 $p\bar{p} \rightarrow 2K 4\pi$
1283 $\pm$ 5		DAHL	67 HBC	1.6-4.2 $\pi^- p$
● ● ● We do not use the following data for averages, fits, limits, etc. ● ● ●				
1284.2 $\pm$ 2.2		5 AAIJ	14Y LHCB	$\bar{B}_{(s)}^0 \rightarrow J/\psi 2(\pi^+ \pi^-)$
1281.9 $\pm$ 0.5		5 SOSA	99 SPEC	$pp \rightarrow p_{\text{slow}} (K_S^0 K^+ \pi^-) p_{\text{fast}}$
1282.8 $\pm$ 0.6		5 SOSA	99 SPEC	$pp \rightarrow p_{\text{slow}} (K_S^0 K^- \pi^+) p_{\text{fast}}$
1270 $\pm$ 10		AMELIN	95 VES	37 $\pi^- N \rightarrow \pi^- \pi^+ \pi^- \gamma N$
1280 $\pm$ 2		ABATZIS	94 OMEG	450 $pp \rightarrow pp 2(\pi^+ \pi^-)$
1282 $\pm$ 4		ARMSTRONG	93C E760	$p\bar{p} \rightarrow \pi^0 \eta \eta \rightarrow 6\gamma$

OCCUR=2

1270	± 6	± 10	ARMSTRONG	92C	OMEG	300	$pp \rightarrow pp\pi^+\pi^-\gamma$
1281	± 1		ARMSTRONG	89E	OMEG	300	$pp \rightarrow pp2(\pi^+\pi^-)$
1279	± 6	± 10	BECKER	87	MRK3		$e^+e^- \rightarrow \phi K\bar{K}\pi$
1286	± 9		GIDAL	87	MRK2		$e^+e^- \rightarrow e^+e^-\eta\pi^+\pi^-$
1287	± 5	353	BITYUKOV	84B	SPEC	32	$\pi^-p \rightarrow K^+K^-\pi^0n$
~ 1279			⁶ TORNQVIST	82B	RVUE		
1275	± 6	31	BROMBERG	80	SPEC	100	$\pi^-p \rightarrow K\bar{K}\pi X$
1288	± 9	200	GURTU	79	HBC	4.2	$K^-p \rightarrow n\eta 2\pi$
~ 1275.0		46	⁷ STANTON	79	CNTR	8.5	$\pi^-p \rightarrow n2\gamma 2\pi$
1271	± 10	34	CORDEN	78	OMEG	12-15	$\pi^-p \rightarrow K^+K^-\pi n$
1295	± 12	85	CORDEN	78	OMEG	12-15	$\pi^-p \rightarrow n5\pi$
1292	± 10	150	DEFOIX	72	HBC	0.7	$\bar{p}p \rightarrow 7\pi$
1280	± 3	500	⁸ THUN	72	MMS	13.4	π^-p
1303	± 8		BARDADIN-...	71	HBC	8	$\pi^+p \rightarrow p6\pi$
1283	± 6		BOESEBECK	71	HBC	16.0	$\pi p \rightarrow p5\pi$
1270	± 10		CAMPBELL	69	DBC	2.7	π^+d
1285	± 7		LORSTAD	69	HBC	0.7	$\bar{p}p$, 4,5-body
1290	± 7		D'ANDLAU	68	HBC	1.2	$\bar{p}p$, 5-6 body

OCCUR=2

¹ Using the $2\pi^+2\pi^-$ and $\pi^+\pi^-\eta$ modes of $f_1(1285)$ decay.² The selected process is $J/\psi \rightarrow \omega a_0(980)\pi$.³ Supersedes ABATZIS 94, ARMSTRONG 89E.⁴ From partial wave analysis of $K^+\bar{K}^0\pi^-$ system.⁵ No systematic error given.⁶ From a unitarized quark-model calculation.⁷ From phase shift analysis of $\eta\pi^+\pi^-$ system.⁸ Seen in the missing mass spectrum.

NODE=M008M;LINKAGE=LE
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 NODE=M008M;LINKAGE=B
 NODE=M008M;LINKAGE=A
 NODE=M008M;LINKAGE=N1
 NODE=M008M;LINKAGE=T
 NODE=M008M;LINKAGE=P
 NODE=M008M;LINKAGE=S

 $f_1(1285)$ WIDTH

NODE=M008W

Only experiments giving width error less than 20 MeV are kept for averaging.

NODE=M008W

VALUE (MeV)	EVTS	DOCUMENT ID	TECN	COMMENT
22.7$\pm$ 1.1 OUR AVERAGE		Error includes scale factor of 1.5. See the ideogram below.		
YOUR DATA 18.4 $\pm$ 1.4		DICKSON	16 CLAS	2.55 $\gamma p \rightarrow \eta\pi^+\pi^-p$
18.3 $\pm$ 6.3	87	ABLIKIM	15P BES3	$J/\psi \rightarrow K^+K^-3\pi$
22.0 $\pm$ 3.1 $^{+2.0}_{-1.5}$		¹ ABLIKIM	11J BES3	$J/\psi \rightarrow \omega(\eta\pi^+\pi^-)$
35 $\pm$ 6 $\pm$ 4		AUBERT	07AU BABR	10.6 $e^+e^- \rightarrow f_1(1285)\pi^+\pi^-\gamma$
40.0 $\pm$ 8.6 $\pm$ 9.3	203	BAI	04J BES2	$J/\psi \rightarrow \gamma\gamma\pi^+\pi^-$
29 $\pm$ 12	237	ABDALLAH	03H DLPH	91.2 $e^+e^- \rightarrow K_S^0 K^\pm \pi^\mp + X$
45 $\pm$ 9 $\pm$ 7	20k	ADAMS	01B B852	18 GeV $\pi^-p \rightarrow K^+K^-\pi^0n$
55 $\pm$ 18	1400	ALDE	97B GAM4	100 $\pi^-p \rightarrow \eta\pi^0\pi^0n$
24 $\pm$ 3		BARBERIS	97B OMEG	450 $pp \rightarrow pp2(\pi^+\pi^-)$
20 $\pm$ 2		BARBERIS	97C OMEG	450 $pp \rightarrow ppK_S^0 K^\pm \pi^\mp$
36 $\pm$ 5		² ANTINORI	95 OMEG	300,450 $pp \rightarrow pp2(\pi^+\pi^-)$
29.0 $\pm$ 4.1		LEE	94 MPS2	18 $\pi^-p \rightarrow K^+\bar{K}^0 2\pi^-p$
25 $\pm$ 4	140	ARMSTRONG	89 OMEG	300 $pp \rightarrow K\bar{K}\pi pp$
22 $\pm$ 2	4750	³ BIRMAN	88 MPS	8 $\pi^-p \rightarrow K^+\bar{K}^0\pi^-n$
25 $\pm$ 4	504	BITYUKOV	88 SPEC	32.5 $\pi^-p \rightarrow K^+K^-\pi^0n$
19 $\pm$ 5		ANDO	86 SPEC	8 $\pi^-p \rightarrow \eta\pi^+\pi^-n$
32 $\pm$ 8	420	REEVES	86 SPEC	6.6 $p\bar{p} \rightarrow KK\pi X$
22 $\pm$ 2		CHUNG	85 SPEC	8 $\pi^-p \rightarrow NK\bar{K}\pi$
32 $\pm$ 3	604	ARMSTRONG	84 OMEG	85 $\pi^+p \rightarrow K\bar{K}\pi\pi p$, $pp \rightarrow K\bar{K}\pi pp$
24 $\pm$ 3		CHAUVAT	84 SPEC	ISR 31.5 pp
29 $\pm$ 10	103	DIONISI	80 HBC	4 $\pi^-p \rightarrow K\bar{K}\pi n$
28.3 $\pm$ 6.7	320	NACASCH	78 HBC	0.7,0.76 $\bar{p}p \rightarrow K\bar{K}3\pi$

NODE=M008W

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

32.4 ± 5.8		⁴ AAIJ	14Y	LHCB	$\bar{B}_{(s)}^0 \rightarrow J/\psi 2(\pi^+ \pi^-)$
18.2 ± 1.2		⁴ SOSA	99	SPEC	$p p \rightarrow p_{\text{slow}} (K_S^0 K^+ \pi^-)$
19.4 ± 1.5		⁴ SOSA	99	SPEC	$p p \xrightarrow{P_{\text{fast}}} p_{\text{slow}} (K_S^0 K^- \pi^+)$
40 ± 5		ABATZIS	94	OMEG	450 $p p \rightarrow p p 2(\pi^+ \pi^-)$
31 ± 5		ARMSTRONG	89E	OMEG	300 $p p \rightarrow p p 2(\pi^+ \pi^-)$
41 ± 12		ARMSTRONG	89G	OMEG	85 $\pi^+ p \rightarrow 4\pi p, p p \xrightarrow{4\pi p p}$
17.9 ± 10.9	60	RATH	89	MPS	21.4 $\pi^- p \rightarrow K_S^0 K_S^0 \pi^0 n$
14 $^{+20}_{-14}$ ± 10	16	BECKER	87	MRK3	$e^+ e^- \rightarrow \phi K \bar{K} \pi$
26 ± 12		EVANGELIS...	81	OMEG	12 $\pi^- p \rightarrow \eta \pi^+ \pi^- \pi^- p$
25 ± 15	200	GURTU	79	HBC	4.2 $K^- p \rightarrow n \eta 2\pi$
~ 10		⁵ STANTON	79	CNTR	8.5 $\pi^- p \rightarrow n 2\gamma 2\pi$
24 ± 18	210	GRASSLER	77	HBC	16 $\pi^\mp p$
28 ± 5	150	⁶ DEFOIX	72	HBC	0.7 $\bar{p} p \rightarrow 7\pi$
46 ± 9	180	⁶ DUBOC	72	HBC	1.2 $\bar{p} p \rightarrow 2K 4\pi$
37 ± 5	500	⁷ THUN	72	MMS	13.4 $\pi^- p$
10 ± 10		BOESEBECK	71	HBC	16.0 $\pi p \rightarrow p 5\pi$
30 ± 15		CAMPBELL	69	DBC	2.7 $\pi^+ d$
60 ± 15		⁶ LORSTAD	69	HBC	0.7 $\bar{p} p$, 4,5-body
35 ± 10		⁶ DAHL	67	HBC	1.6–4.2 $\pi^- p$

¹ The selected process is $J/\psi \rightarrow \omega a_0(980)\pi$.

² Supersedes ABATZIS 94, ARMSTRONG 89E.

³ From partial wave analysis of $K^+ \bar{K}^0 \pi^-$ system.

⁴ No systematic error given.

⁵ From phase shift analysis of $\eta \pi^+ \pi^-$ system.

⁶ Resolution is not unfolded.

⁷ Seen in the missing mass spectrum.

OCCUR=2

NODE=M008W;LINKAGE=BL

NODE=M008W;LINKAGE=B

NODE=M008W;LINKAGE=A

NODE=M008W;LINKAGE=N1

NODE=M008W;LINKAGE=P

NODE=M008W;LINKAGE=R

NODE=M008W;LINKAGE=S

$f_1(1285)$ BRANCHING RATIOS

NODE=M008220

$\Gamma(a_0(980)\pi \text{ [ignoring } a_0(980) \rightarrow K \bar{K}]) / \Gamma(\eta \pi \pi) \quad \Gamma_9 / \Gamma_8 = \Gamma_9 / (\Gamma_9 + \Gamma_{10})$

VALUE	CL%	DOCUMENT ID	TECN	COMMENT
0.72 ± 0.07 OUR AVERAGE				
YOUR DATA				
0.74 ± 0.02 ± 0.09		DICKSON	16	CLAS $\gamma p \rightarrow f_1(1285)p$
0.72 ± 0.15		GURTU	79	HBC 4.2 $K^- p$
0.6 $^{+0.3}_{-0.2}$		CORDEN	78	OMEG 12–15 $\pi^- p$

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

>0.69	95	ACHARD	02B	L3	183–209 $e^+ e^- \rightarrow e^+ e^- \eta \pi^+ \pi^-$
0.28 ± 0.07		ALDE	97B	GAM4	100 $\pi^- p \rightarrow \eta \pi^0 \pi^0 n$
1.0 ± 0.3		GRASSLER	77	HBC	16 $\pi^\mp p$

$\Gamma(K \bar{K} \pi) / \Gamma(\eta \pi \pi) \quad \Gamma_{11} / \Gamma_8 = \Gamma_{11} / (\Gamma_9 + \Gamma_{10})$

VALUE	DOCUMENT ID	TECN	COMMENT
0.176 ± 0.012 OUR AVERAGE			
YOUR DATA			
0.216 ± 0.010 ± 0.031	DICKSON	16	CLAS $\gamma p \rightarrow f_1(1285)p$
0.166 ± 0.01 ± 0.008	BARBERIS	98C	OMEG 450 $p p \rightarrow p_f f_1(1285) p_s$
0.42 ± 0.15	GURTU	79	HBC 4.2 $K^- p$
0.5 ± 0.2	¹ CORDEN	78	OMEG 12–15 $\pi^- p$
0.20 ± 0.08	² DEFOIX	72	HBC 0.7 $\bar{p} p \rightarrow 7\pi$
0.16 ± 0.08	CAMPBELL	69	DBC 2.7 $\pi^+ d$

¹ CORDEN 78 assumes low-mass $\eta \pi \pi$ region is dominantly 1^{++} . See BARBERIS 98C and MANAK 00A for discussion.

² $K \bar{K}$ system characterized by the $I = 1$ threshold enhancement. (See under $a_0(980)$).

$\Gamma(\eta \pi \pi) / \Gamma(\gamma \rho^0) \quad \Gamma_8 / \Gamma_{15} = (\Gamma_9 + \Gamma_{10}) / \Gamma_{15}$

VALUE	DOCUMENT ID	TECN	COMMENT
8.5 ± 2.0 OUR AVERAGE Error includes scale factor of 2.2. See the ideogram below.			
YOUR DATA			
21.3 ± 4.4	DICKSON	16	CLAS $\gamma p \rightarrow f_1(1285)p$
10.0 ± 1.0 ± 2.0	BARBERIS	98C	OMEG 450 $p p \rightarrow p_f f_1(1285) p_s$
7.5 ± 1.0	¹ ARMSTRONG	92C	OMEG 300 $p p \rightarrow p p \pi^+ \pi^- \gamma, p p \eta \pi^+ \pi^-$

NODE=M008R3

NODE=M008R3

NODE=M008R2

NODE=M008R2

OCCUR=2

NODE=M008R2;LINKAGE=CD

NODE=M008R2;LINKAGE=K

NODE=M008R16

NODE=M008R16

¹ Published value multiplied by 1.5.

NODE=M008R16;LINKAGE=B

f₁(1285) REFERENCES

NODE=M008

YOUR PAPER

DICKSON	16	PR C93 065202	R. Dickson <i>et al.</i>	(JLab CLAS Collab.)
ABLIKIM	15P	PR D92 012007	M. Ablikim <i>et al.</i>	(BES III Collab.)
AAIJ	14Y	PRL 112 091802	R. Aaij <i>et al.</i>	(LHCb Collab.)
LEES	12X	PR D86 092010	J.P. Lees <i>et al.</i>	(BABAR Collab.)
ABLIKIM	11J	PRL 107 182001	M. Ablikim <i>et al.</i>	(BES III Collab.)
AUBERT	07AU	PR D76 092005	B. Aubert <i>et al.</i>	(BABAR Collab.)
BAI	04J	PL B594 47	J.Z. Bai <i>et al.</i>	(BES Collab.)
ABDALLAH	03H	PL B569 129	J. Abdallah <i>et al.</i>	(DELPHI Collab.)
ACHARD	02B	PL B526 269	P. Achard <i>et al.</i>	(L3 Collab.)
ACCIARRI	01G	PL B501 1	M. Acciarri <i>et al.</i>	(L3 Collab.)
ADAMS	01B	PL B516 264	G.S. Adams <i>et al.</i>	(BNL E852 Collab.)
MANAK	00A	PR D62 012003	J.J. Manak <i>et al.</i>	(BNL E852 Collab.)
SOSA	99	PRL 83 913	M. Sosa <i>et al.</i>	
BARBERIS	98C	PL B440 225	D. Barberis <i>et al.</i>	(WA 102 Collab.)
ALDE	97B	PAN 60 386	D. Alde <i>et al.</i>	(GAMS Collab.)
		Translated from YAF 60 458.		
BARBERIS	97B	PL B413 217	D. Barberis <i>et al.</i>	(WA 102 Collab.)
BARBERIS	97C	PL B413 225	D. Barberis <i>et al.</i>	(WA 102 Collab.)
AMELIN	95	ZPHY C66 71	D.V. Amelin <i>et al.</i>	(VES Collab.)
ANTINORI	95	PL B353 589	F. Antinori <i>et al.</i>	(ATHU, BARI, BIRM+)
ABATZIS	94	PL B324 509	S. Abatzis <i>et al.</i>	(ATHU, BARI, BIRM+)
LEE	94	PL B323 227	J.H. Lee <i>et al.</i>	(BNL, IND, KYUN, MASD+)
ARMSTRONG	93C	PL B307 394	T.A. Armstrong <i>et al.</i>	(FNAL, FERR, GENO+)
ARMSTRONG	92C	ZPHY C54 371	T.A. Armstrong <i>et al.</i>	(ATHU, BARI, BIRM+)
FUKUI	91C	PL B267 293	S. Fukui <i>et al.</i>	(SUGI, NAGO, KEK, KYOT+)
ARMSTRONG	89	PL B221 216	T.A. Armstrong <i>et al.</i>	(CERN, CDEF, BIRM+) JPC
ARMSTRONG	89E	PL B228 536	T.A. Armstrong, M. Benayoun	(ATHU, BARI, BIRM+)
ARMSTRONG	89G	ZPHY C43 55	T.A. Armstrong <i>et al.</i>	(CERN, BIRM, BARI+)
RATH	89	PR D40 693	M.G. Rath <i>et al.</i>	(NDAM, BRAN, BNL, CUNY+)
BIRMAN	88	PRL 61 1557	A. Birman <i>et al.</i>	(BNL, FSU, IND, MASD) JP
BITYUKOV	88	PL B203 327	S.I. Bityukov <i>et al.</i>	(SERP)
BECKER	87	PRL 59 186	J.J. Becker <i>et al.</i>	(Mark III Collab.)
GIDAL	87	PRL 59 2012	G. Gidal <i>et al.</i>	(LBL, SLAC, HARV)
ANDO	86	PRL 57 1296	A. Ando <i>et al.</i>	(KEK, KYOT, NIRS, SAGA+) IJP
REEVES	86	PR D34 1960	D.F. Reeves <i>et al.</i>	(FLOR, BNL, IND+) JP
CHUNG	85	PRL 55 779	S.U. Chung <i>et al.</i>	(BNL, FLOR, IND+) JP
ARMSTRONG	84	PL 146B 273	T.A. Armstrong <i>et al.</i>	(ATHU, BARI, BIRM+) JP
BITYUKOV	84B	PL 144B 133	S.I. Bityukov <i>et al.</i>	(SERP)
CHAUVAT	84	PL 148B 382	P. Chauvat <i>et al.</i>	(CERN, CLER, UCLA+)
TORNQVIST	82B	NP B203 268	N.A. Tornqvist	(HELS)
EVANGELIS...	81	NP B178 197	C. Evangelista <i>et al.</i>	(BARI, BONN, CERN+)
BROMBERG	80	PR D22 1513	C.M. Bromberg <i>et al.</i>	(CIT, FNAL, ILLC+)
DIONISI	80	NP B169 1	C. Dionisi <i>et al.</i>	(CERN, MADR, CDEF+)
GURTU	79	NP B151 181	A. Gurtu <i>et al.</i>	(CERN, ZEEM, NIJM, OXF)
STANTON	79	PRL 42 346	N.R. Stanton <i>et al.</i>	(OSU, CARL, MCGI+) JP
CORDEN	78	NP B144 253	M.J. Corden <i>et al.</i>	(BIRM, RHEL, TELA+) JP
NACASCH	78	NP B135 203	R. Nacasch <i>et al.</i>	(PARIS, MADR, CERN)
GRASSLER	77	NP B121 189	H. Grassler <i>et al.</i>	(AACH3, BERL, BONN+)
DEFOIX	72	NP B44 125	C. Defoix <i>et al.</i>	(CDEF, CERN)
DUBOC	72	NP B46 429	J. Duboc <i>et al.</i>	(PARIS, LIVP)
THUN	72	PRL 28 1733	R. Thun <i>et al.</i>	(STON, NEAS)
BARDADIN....	71	PR D4 2711	M. Bardadin-Otwinowska <i>et al.</i>	(WARS)
BOESEBECK	71	PL 34B 659	K. Boesebeck	(AACH, BERL, BONN, CERN, CRAC+)
CAMPBELL	69	PRL 22 1204	J.H. Campbell <i>et al.</i>	(PURD)
LORSTAD	69	NP B14 63	B. Lorstad <i>et al.</i>	(CDEF, CERN) JP
D'ANDLAU	68	NP B5 693	C. d'Andlau <i>et al.</i>	(CDEF, CERN, IRAD+) IJP
DAHL	67	PR 163 1377	O.I. Dahl <i>et al.</i>	(LRL) IJP

REFID=57487
 REFID=56781
 REFID=55837
 REFID=54714
 REFID=53931
 REFID=52049
 REFID=50167
 REFID=49548
 REFID=48574
 REFID=48319
 REFID=49649
 REFID=47989
 REFID=46937
 REFID=46346
 REFID=45396

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