Reference = AAIJ 16N; PR D93 052018
Verifier code = LHCB

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.

PLEASE READ NOW

PLEASE REPLY WITHIN ONE WEEK

Vincenzo Vagnoni

EMAIL: vincenzo.vagnoni@bo.infn.it

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
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=M036

$a_0(980)$

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

See our minireview on scalar mesons under $f_0(500)$. (See the index for the page number.)

NODE=M036

$a_0(980)$ MASS

NODE=M036205

$K\overline{K}$ ONLY

NODE=M036M2
NODE=M036M2

	VALUE (MeV)	EVTS	DOCUMENT ID	TECN	CHG	COMMENT
YOUR DATA	**925 ± 5 ±8**	190k	[1] AAIJ 16N	LHCB		$D^0 \to K^0_S K^\pm \pi^\mp$
	• • • We do not use the following data for averages, fits, limits, etc. • • •					
	~ 1053		[2] OLLER 99C	RVUE		$\pi\pi \to \pi\pi$, $K\overline{K}$
	982 ± 3		[3] ABELE 98	CBAR		0.0 $\overline{p}p \to K^0_L K^\pm \pi^\mp$
	975 ±15		BERTIN 98B	OBLX	±	0.0 $\overline{p}p \to K^\pm K_s \pi^\mp$
	976 ± 6	316	DEBILLY 80	HBC	±	1.2–2 $\overline{p}p \to f_1(1285)\omega$
	1016 ±10	100	[4] ASTIER 67	HBC	±	0.0 $\overline{p}p$
	1003.3± 7.0	143	[5] ROSENFELD 65	RVUE	±	

YOUR NOTE

[1] Using a two-channel resonance parametrization with couplings fixed to ABELE 98. NODE=M036M2;LINKAGE=B
[2] T-matrix pole. NODE=M036M2;LINKAGE=AN
[3] T-matrix pole on sheet II, the pole on sheet III is at 1006-i49 MeV. NODE=M036M2;LINKAGE=Q
[4] ASTIER 67 includes data of BARLOW 67, CONFORTO 67, ARMENTEROS 65. NODE=M036M2;LINKAGE=A
[5] Plus systematic errors. NODE=M036M2;LINKAGE=S

$a_0(980)$ REFERENCES

NODE=M036

YOUR PAPER

AAIJ	16N	PR D93 052018	R. Aaij *et al.*	(LHCb Collab.)	REFID=57273
OLLER	99C	PR D60 074023	J.A. Oller, E. Oset		REFID=47386
ABELE	98	PR D57 3860	A. Abele *et al.*	(Crystal Barrel Collab.)	REFID=45863
BERTIN	98B	PL B434 180	A. Bertin *et al.*	(OBELIX Collab.)	REFID=46351
DEBILLY	80	NP B176 1	L. de Billy *et al.*	(CURIN, LAUS, NEUC+)	REFID=20461
ASTIER	67	PL 25B 294	A. Astier *et al.*	(CDEF, CERN, IRAD)	REFID=20405
Includes data of BARLOW 67, CONFORTO 67, and ARMENTEROS 65.					
BARLOW	67	NC 50A 701	J. Barlow *et al.*	(CERN, CDEF, IRAD, LIVP)	REFID=20041
CONFORTO	67	NP B3 469	G. Conforto *et al.*	(CERN, CDEF, IPNP+)	REFID=20411
ARMENTEROS	65	PL 17 344	R. Armenteros *et al.*	(CERN, CDEF)	REFID=20396
ROSENFELD	65	Oxford Conf. 58	A.H. Rosenfeld	(LRL)	REFID=20399

NODE=M149

$a_0(1450)$

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

See minireview on scalar mesons under $f_0(500)$.

NODE=M149

$a_0(1450)$ MASS

NODE=M149M

NODE=M149M

	VALUE (MeV)	EVTS	DOCUMENT ID	TECN	COMMENT
	1467 ±14 OUR AVERAGE				
YOUR DATA	1458 ±14 ±15	190k	AAIJ 16N	LHCB	$D^0 \to K^0_S K^\pm \pi^\mp$
	1480 ±30		ABELE 98	CBAR	0.0 $\overline{p}p \to K^0_L K^\pm \pi^\mp$
	1470 ±25		[1] AMSLER 95D	CBAR	0.0 $\overline{p}p \to \pi^0\pi^0\pi^0$, $\pi^0\eta\eta$, $\pi^0\pi^0\eta$
	• • • We do not use the following data for averages, fits, limits, etc. • • •				
	1515 ±30		[2] ANISOVICH 09	RVUE	0.0 $\overline{p}p$, πN
	$1316.8^{+\ 0.7}_{-\ 1.0}{}^{+24.7}_{-\ 4.6}$		[3] UEHARA 09A	BELL	$\gamma\gamma \to \pi^0\eta$
	1432 ±13 ±25		[4] BUGG 08A	RVUE	$\overline{p}p$
	1477 ±10	80k	[5] UMAN 06	E835	5.2 $\overline{p}p \to \eta\eta\pi^0$
	1441^{+40}_{-15}	35280	[2] BAKER 03	SPEC	$\overline{p}p \to \omega\pi^+\pi^-\pi^0$
	1303 ±16		[6] BARGIOTTI 03	OBLX	$\overline{p}p$

1296 ±10	[7] AMSLER	02	CBAR	0.9 $\overline{p}p \to \pi^0\pi^0\eta$
1565 ±30	[7] ANISOVICH	98B	RVUE	Compilation
1290 ±10	[8] BERTIN	98B	OBLX	0.0 $\overline{p}p \to K^\pm K_s \pi^\mp$
1450 ±40	AMSLER	94D	CBAR	0.0 $\overline{p}p \to \pi^0\pi^0\eta$
1410 ±25	ETKIN	82C	MPS	23 $\pi^- p \to n 2K^0_S$
∼ 1300	MARTIN	78	SPEC	10 $K^\pm p \to K^0_S \pi p$
1255 ± 5	[9] CASON	76		

[1] Coupled-channel analysis of AMSLER 95B, AMSLER 95C, and AMSLER 94D. NODE=M149M;LINKAGE=AB
[2] From the pole position. NODE=M149M;LINKAGE=PP
[3] May be a different state. NODE=M149M;LINKAGE=UE
[4] Using data from AMSLER 94D, ABELE 98, and BAKER 03. Supersedes BUGG 94. NODE=M149M;LINKAGE=BU
[5] Statistical error only. NODE=M149M;LINKAGE=ST
[6] Coupled channel analysis of $\pi^+\pi^-\pi^0$, $K^+K^-\pi^0$, and $K^\pm K^0_S \pi^\mp$. NODE=M149M;LINKAGE=BG
[7] T-matrix pole. NODE=M149M;LINKAGE=AN
[8] Not confirmed by BUGG 08A. NODE=M149M;LINKAGE=BE
[9] Isospin 0 not excluded. NODE=M149M;LINKAGE=CC

$a_0(1450)$ WIDTH

NODE=M149W

NODE=M149W

	VALUE (MeV)	*EVTS*	*DOCUMENT ID*		*TECN*	*COMMENT*
	271 ±11 OUR AVERAGE					
YOUR DATA	282 ±12 ±13	190k	AAIJ	16N	LHCB	$D^0 \to K^0_S K^\pm \pi^\mp$
	265 ±15		ABELE	98	CBAR	0.0 $\overline{p}p \to K^0_L K^\pm \pi^\mp$
	265 ±30		[1] AMSLER	95D	CBAR	0.0 $\overline{p}p \to \pi^0\pi^0\pi^0$, $\pi^0\eta\eta$, $\pi^0\pi^0\eta$
	• • • We do not use the following data for averages, fits, limits, etc. • • •					
	230 ±36		[2] ANISOVICH	09	RVUE	0.0 $\overline{p}p$, πN
	$65.0^{+\ 2.1+99.1}_{-\ 5.4-32.6}$		[3] UEHARA	09A	BELL	$\gamma\gamma \to \pi^0\eta$
	196 ±10 ±10		[4] BUGG	08A	RVUE	$\overline{p}p$
	267 ±11	80k	[5] UMAN	06	E835	5.2 $\overline{p}p \to \eta\eta\pi^0$
	110 ±14	35280	[2] BAKER	03	SPEC	$\overline{p}p \to \omega\pi^+\pi^-\pi^0$
	92 ±16		[6] BARGIOTTI	03	OBLX	$\overline{p}p$
	81 ±21		[7] AMSLER	02	CBAR	0.9 $\overline{p}p \to \pi^0\pi^0\eta$
	292 ±40		[7] ANISOVICH	98B	RVUE	Compilation
	80 ± 5		[8] BERTIN	98B	OBLX	0.0 $\overline{p}p \to K^\pm K_s \pi^\mp$
	270 ±40		AMSLER	94D	CBAR	0.0 $\overline{p}p \to \pi^0\pi^0\eta$
	230 ±30		ETKIN	82C	MPS	23 $\pi^- p \to n 2K^0_S$
	∼ 250		MARTIN	78	SPEC	10 $K^\pm p \to K^0_S \pi p$
	79 ±10		[9] CASON	76		

[1] Coupled-channel analysis of AMSLER 95B, AMSLER 95C, and AMSLER 94D. NODE=M149W;LINKAGE=AB
[2] From the pole position. NODE=M149W;LINKAGE=PP
[3] May be a different state. NODE=M149W;LINKAGE=UE
[4] Using data from AMSLER 94D, ABELE 98, and BAKER 03. Supersedes BUGG 94. NODE=M149W;LINKAGE=BU
[5] Statistical error only. NODE=M149W;LINKAGE=ST
[6] Coupled channel analysis of $\pi^+\pi^-\pi^0$, $K^+K^-\pi^0$, and $K^\pm K^0_S \pi^\mp$. NODE=M149W;LINKAGE=BG
[7] T-matrix pole. NODE=M149W;LINKAGE=AN
[8] Not confirmed by BUGG 08A. NODE=M149W;LINKAGE=BE
[9] Isospin 0 not excluded. NODE=M149W;LINKAGE=CC

$a_0(1450)$ REFERENCES

NODE=M149

YOUR PAPER	AAIJ	16N	PR D93 052018	R. Aaij *et al.*	(LHCb Collab.)	REFID=57273
	ANISOVICH	09	IJMP A24 2481	V.V. Anisovich, A.V. Sarantsev		REFID=52719
	UEHARA	09A	PR D80 032001	S. Uehara *et al.*	(BELLE Collab.)	REFID=53002
	BUGG	08A	PR D78 074023	D.V. Bugg	(LOQM)	REFID=52578
	UMAN	06	PR D73 052009	I. Uman *et al.*	(FNAL E835)	REFID=51063
	BAKER	03	PL B563 140	C.A. Baker *et al.*		REFID=49414
	BARGIOTTI	03	EPJ C26 371	M. Bargiotti *et al.*	(OBELIX Collab.)	REFID=49217
	AMSLER	02	EPJ C23 29	C. Amsler *et al.*		REFID=48580
	ABELE	98	PR D57 3860	A. Abele *et al.*	(Crystal Barrel Collab.)	REFID=45863
	ANISOVICH	98B	SPU 41 419 Translated from UFN 168 481.	V.V. Anisovich *et al.*		REFID=46331
	BERTIN	98B	PL B434 180	A. Bertin *et al.*	(OBELIX Collab.)	REFID=46351
	AMSLER	95B	PL B342 433	C. Amsler *et al.*	(Crystal Barrel Collab.)	REFID=44377
	AMSLER	95C	PL B353 571	C. Amsler *et al.*	(Crystal Barrel Collab.)	REFID=44440
	AMSLER	95D	PL B355 425	C. Amsler *et al.*	(Crystal Barrel Collab.)	REFID=44441
	AMSLER	94D	PL B333 277	C. Amsler *et al.*	(Crystal Barrel Collab.) IGJPC	REFID=44093
	BUGG	94	PR D50 4412	D.V. Bugg *et al.*	(LOQM)	REFID=44078

ETKIN	82C	PR D25 2446	A. Etkin *et al.*	(BNL, CUNY, TUFTS, VAND)	REFID=20391
MARTIN	78	NP B134 392	A.D. Martin *et al.*	(DURH, GEVA)	REFID=22446
CASON	76	PRL 36 1485	N.M. Cason *et al.*	(NDAM, ANL)	REFID=21064

NODE=M105

$\rho(1450)$

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

See our mini-review under the $\rho(1700)$. NODE=M105

$\rho(1450)$ MASS

NODE=M105205

$K\overline{K}$ MODE

NODE=M105M7
NODE=M105M7

	VALUE (MeV)	EVTS	DOCUMENT ID		TECN	CHG	COMMENT
YOUR DATA	**1208 ±8 ±9**	190k	[1] AAIJ	16N	LHCB		$D^0 \to K^0_S K^\pm \pi^\mp$
	• • • We do not use the following data for averages, fits, limits, etc. • • •						
	1422.8±6.5	27k	[2] ABELE	99D	CBAR	±	0.0 $\overline{p}p \to K^+ K^- \pi^0$

YOUR NOTE [1] Using the GOUNARIS 68 parameterization with fixed width. NODE=M105M7;LINKAGE=A

[2] K-matrix pole. Isospin not determined, could be $\omega(1420)$. NODE=M105M7;LINKAGE=AN

$\rho(1450)$ WIDTH

NODE=M105210

$K\overline{K}$ MODE

NODE=M105W7
NODE=M105W7

	VALUE (MeV)	EVTS	DOCUMENT ID		TECN	CHG	COMMENT
YOUR DATA	**410 ±19 ±35**	190k	[1] AAIJ	16N	LHCB		$D^0 \to K^0_S K^\pm \pi^\mp$
	• • • We do not use the following data for averages, fits, limits, etc. • • •						
	146.5±10.5	27k	[2] ABELE	99D	CBAR	±	0.0 $\overline{p}p \to K^+ K^- \pi^0$

YOUR NOTE [1] Using the GOUNARIS 68 parameterization with fixed mass. NODE=M105W7;LINKAGE=A

[2] K-matrix pole. Isospin not determined, could be $\omega(1420)$. NODE=M105W7;LINKAGE=AN

$\rho(1450)$ REFERENCES

NODE=M105

YOUR PAPER	AAIJ	16N	PR D93 052018	R. Aaij *et al.*	(LHCb Collab.)	REFID=57273
	ABELE	99D	PL B468 178	A. Abele *et al.*	(Crystal Barrel Collab.)	REFID=47401
	GOUNARIS	68	PRL 21 244	G.J. Gounaris, J.J. Sakurai		REFID=48054

NODE=M065

$\rho(1700)$

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

$\rho(1700)$ MASS

NODE=M065205

$K\overline{K}$ MODE

NODE=M065M2
NODE=M065M2

	VALUE (MeV)	EVTS	DOCUMENT ID		TECN	CHG	COMMENT
YOUR DATA	1541 ±12 ±33	190k	[1] AAIJ	16N	LHCB		$D^0 \to K^0_S K^\pm \pi^\mp$
	• • • We do not use the following data for averages, fits, limits, etc. • • •						
	1740.8±22.2	27k	[2] ABELE	99D	CBAR	±	0.0 $\overline{p}p \to K^+ K^- \pi^0$
	1582 ±36	1600	CLELAND	82B	SPEC	±	50 $\pi p \to K^0_S K^\pm p$

YOUR NOTE [1] Using the GOUNARIS 68 parameterization with a fixed width. Value is average using different $K\pi$ *S*-wave parametrizations in fit. NODE=M065M2;LINKAGE=A

[2] K-matrix pole. Isospin not determined, could be $\omega(1650)$ or $\phi(1680)$. NODE=M065M2;LINKAGE=AN

$\rho(1700)$ REFERENCES

NODE=M065

YOUR PAPER	AAIJ	16N	PR D93 052018	R. Aaij *et al.*	(LHCb Collab.)	REFID=57273
	ABELE	99D	PL B468 178	A. Abele *et al.*	(Crystal Barrel Collab.)	REFID=47401
	CLELAND	82B	NP B208 228	W.E. Cleland *et al.*	(DURH, GEVA, LAUS+)	REFID=21281
	GOUNARIS	68	PRL 21 244	G.J. Gounaris, J.J. Sakurai		REFID=48054

STRANGE MESONS
$(S = \pm 1,\ C = B = 0)$

NODE=MXXX020

$K^+ = u\overline{s}$, $K^0 = d\overline{s}$, $\overline{K}^0 = \overline{d}s$, $K^- = \overline{u}s$, similarly for K^*'s

NODE=MXXX020

NODE=M018

$K^*(892)$

$I(J^P) = \frac{1}{2}(1^-)$

K^*(892) MASS

NODE=M018205

CHARGED ONLY, HADROPRODUCED

NODE=M018M1
NODE=M018M1

	VALUE (MeV)	EVTS	DOCUMENT ID	TECN	CHG	COMMENT	
	891.76±0.25 OUR AVERAGE						
YOUR DATA	893.2 ±0.1 ±1.0	190k	[1] AAIJ 16N	LHCB		$D^0 \to K^0_S K^\pm \pi^\mp$	
	892.6 ±0.5	5840	BAUBILLIER 84B	HBC	−	8.25 $K^- p \to \overline{K}^0 \pi^- p$	
	888 ±3		NAPIER 84	SPEC	+	200 $\pi^- p \to 2K^0_S X$	
	891 ±1		NAPIER 84	SPEC	−	200 $\pi^- p \to 2K^0_S X$	OCCUR=2
	891.7 ±2.1	3700	BARTH 83	HBC	+	70 $K^+ p \to K^0 \pi^+ X$	
	891 ±1	4100	TOAFF 81	HBC	−	6.5 $K^- p \to \overline{K}^0 \pi^- p$	
	892.8 ±1.6		AJINENKO 80	HBC	+	32 $K^+ p \to K^0 \pi^+ X$	
	890.7 ±0.9	1800	AGUILAR-... 78B	HBC	±	0.76 $\overline{p} p \to K^\mp K^0_S \pi^\pm$	
	886.6 ±2.4	1225	BALAND 78	HBC	±	12 $\overline{p} p \to (K\pi)^\pm X$	
	891.7 ±0.6	6706	COOPER 78	HBC	±	0.76 $\overline{p} p \to (K\pi)^\pm X$	
	891.9 ±0.7	9000	[2] PALER 75	HBC	−	14.3 $K^- p \to (K\pi)^- X$	
	892.2 ±1.5	4404	AGUILAR-... 71B	HBC	−	3.9,4.6 $K^- p \to (K\pi)^- p$	
	891 ±2	1000	CRENNELL 69D	DBC	−	3.9 $K^- N \to K^0 \pi^- X$	
	890 ±3.0	720	BARLOW 67	HBC	±	1.2 $\overline{p} p \to (K^0 \pi)^\pm K^\mp$	
	889 ±3.0	600	BARLOW 67	HBC	±	1.2 $\overline{p} p \to (K^0 \pi)^\pm K \pi$	OCCUR=2
	891 ±2.3	620	[3] DEBAERE 67B	HBC	+	3.5 $K^+ p \to K^0 \pi^+ p$	
	891.0 ±1.2	1700	[4] WOJCICKI 64	HBC	−	1.7 $K^- p \to \overline{K}^0 \pi^- p$	
	• • • We do not use the following data for averages, fits, limits, etc. • • •						
	893.5 ±1.1	27k	[5] ABELE 99D	CBAR	±	0.0 $\overline{p} p \to K^+ K^- \pi^0$	
	890.4 ±0.2 ±0.5	80k	[6] BIRD 89	LASS	−	11 $K^- p \to \overline{K}^0 \pi^- p$	
	890.0 ±2.3	800	[3,4] CLELAND 82	SPEC	+	30 $K^+ p \to K^0_S \pi^+ p$	
	896.0 ±1.1	3200	[3,4] CLELAND 82	SPEC	+	50 $K^+ p \to K^0_S \pi^+ p$	OCCUR=2
	893 ±1	3600	[3,4] CLELAND 82	SPEC	−	50 $K^+ p \to K^0_S \pi^- p$	OCCUR=3
	896.0 ±1.9	380	DELFOSSE 81	SPEC	+	50 $K^\pm p \to K^\pm \pi^0 p$	
	886.0 ±2.3	187	DELFOSSE 81	SPEC	−	50 $K^\pm p \to K^\pm \pi^0 p$	OCCUR=2
	894.2 ±2.0	765	[3] CLARK 73	HBC	−	3.13 $K^- p \to \overline{K}^0 \pi^- p$	
	894.3 ±1.5	1150	[3,4] CLARK 73	HBC	−	3.3 $K^- p \to \overline{K}^0 \pi^- p$	OCCUR=2
	892.0 ±2.6	341	[3] SCHWEING...68	HBC	−	5.5 $K^- p \to \overline{K}^0 \pi^- p$	OCCUR=2

YOUR NOTE
[1] Average of fit results with different parametrizations for the $K\pi$ S-wave. NODE=M018M1;LINKAGE=A
[2] Inclusive reaction. Complicated background and phase-space effects. NODE=M018M;LINKAGE=I
[3] Mass errors enlarged by us to $\Gamma/\sqrt{N}$. See note. NODE=M018M;LINKAGE=D
[4] Number of events in peak reevaluated by us. NODE=M018M;LINKAGE=W
[5] K-matrix pole. NODE=M018M1;LINKAGE=AN
[6] From a partial wave amplitude analysis. NODE=M018M1;LINKAGE=F

K^*(892) WIDTH

NODE=M018215

CHARGED ONLY, HADROPRODUCED

NODE=M018W1
NODE=M018W1

	VALUE (MeV)	EVTS	DOCUMENT ID	TECN	CHG	COMMENT	
	50.3±0.8 OUR AVERAGE						
YOUR DATA	47.2±0.3±2.3	190k	[1] AAIJ 16N	LHCB		$D^0 \to K^0_S K^\pm \pi^\mp$	
	49 ±2	5840	BAUBILLIER 84B	HBC	−	8.25 $K^- p \to \overline{K}^0 \pi^- p$	
	56 ±4		NAPIER 84	SPEC	−	200 $\pi^- p \to 2K^0_S X$	OCCUR=2
	51 ±2	4100	TOAFF 81	HBC	−	6.5 $K^- p \to \overline{K}^0 \pi^- p$	
	50.5±5.6		AJINENKO 80	HBC	+	32 $K^+ p \to K^0 \pi^+ X$	
	45.8±3.6	1800	AGUILAR-... 78B	HBC	±	0.76 $\overline{p} p \to K^\mp K^0_S \pi^\pm$	
	52.0±2.5	6706	[2] COOPER 78	HBC	±	0.76 $\overline{p} p \to (K\pi)^\pm X$	
	52.1±2.2	9000	[3] PALER 75	HBC	−	14.3 $K^- p \to (K\pi)^- X$	
	46.3±6.7	765	[2] CLARK 73	HBC	−	3.13 $K^- p \to \overline{K}^0 \pi^- p$	
	48.2±5.7	1150	[2,4] CLARK 73	HBC	−	3.3 $K^- p \to \overline{K}^0 \pi^- p$	OCCUR=2
	54.3±3.3	4404	[2] AGUILAR-... 71B	HBC	−	3.9,4.6 $K^- p \to (K\pi)^- p$	
	46 ±5	1700	[2,4] WOJCICKI 64	HBC	−	1.7 $K^- p \to \overline{K}^0 \pi^- p$	

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

54.8±1.7	27k	[5] ABELE	99D	CBAR	±	0.0 $\overline{p}p \to K^+K^-\pi^0$	
45.2±1 ±2	80k	[6] BIRD	89	LASS	−	11 $K^-p \to \overline{K}^0\pi^-p$	
42.8±7.1	3700	BARTH	83	HBC	+	70 $K^+p \to K^0\pi^+X$	
64.0±9.2	800	[2,4] CLELAND	82	SPEC	+	30 $K^+p \to K^0_S\pi^+p$	
62.0±4.4	3200	[2,4] CLELAND	82	SPEC	+	50 $K^+p \to K^0_S\pi^+p$	OCCUR=2
55 ±4	3600	[2,4] CLELAND	82	SPEC	−	50 $K^+p \to K^0_S\pi^-p$	OCCUR=3
62.6±3.8	380	DELFOSSE	81	SPEC	+	50 $K^\pm p \to K^\pm\pi^0p$	
50.5±3.9	187	DELFOSSE	81	SPEC	−	50 $K^\pm p \to K^\pm\pi^0p$	OCCUR=2

YOUR NOTE [1] Average of fit results with different parametrizations for the $K\pi$ S-wave. NODE=M018W1;LINKAGE=A
[2] Width errors enlarged by us to $4 \times \Gamma/\sqrt{N}$; see note. NODE=M018W;LINKAGE=D
[3] Inclusive reaction. Complicated background and phase-space effects. NODE=M018W;LINKAGE=I
[4] Number of events in peak reevaluated by us. NODE=M018W;LINKAGE=W
[5] K-matrix pole. NODE=M018W1;LINKAGE=AN
[6] From a partial wave amplitude analysis. NODE=M018W1;LINKAGE=F

$K^*(892)$ REFERENCES

NODE=M018

YOUR PAPER

AAIJ	16N	PR D93 052018	R. Aaij *et al.*	(LHCb Collab.)	REFID=57273
ABELE	99D	PL B468 178	A. Abele *et al.*	(Crystal Barrel Collab.)	REFID=47401
BIRD	89	SLAC-332	P.F. Bird	(SLAC)	REFID=41002
BAUBILLIER	84B	ZPHY C26 37	M. Baubillier *et al.*	(BIRM, CERN, GLAS+)	REFID=22459
NAPIER	84	PL 149B 514	A. Napier *et al.*	(TUFTS, ARIZ, FNAL, FLOR+)	REFID=22460
BARTH	83	NP B223 296	M. Barth *et al.*	(BRUX, CERN, GENO, MONS+)	REFID=22456
CLELAND	82	NP B208 189	W.E. Cleland *et al.*	(DURH, GEVA, LAUS+)	REFID=22455
DELFOSSE	81	NP B183 349	A. Delfosse *et al.*	(GEVA, LAUS)	REFID=21277
TOAFF	81	PR D23 1500	S. Toaff *et al.*	(ANL, KANS)	REFID=22454
AJINENKO	80	ZPHY C5 177	I.V. Ajinenko *et al.*	(SERP, BRUX, MONS+)	REFID=22449
AGUILAR-...	78B	NP B141 101	M. Aguilar-Benitez *et al.*	(MADR, TATA+)	REFID=22438
BALAND	78	NP B140 220	J.F. Baland *et al.*	(MONS, BELG, CERN+)	REFID=20369
COOPER	78	NP B136 365	A.M. Cooper *et al.*	(TATA, CERN, CDEF+)	REFID=22441
PALER	75	NP B96 1	K. Paler *et al.*	(RHEL, SACL, EPOL)	REFID=22435
CLARK	73	NP B54 432	A.G. Clark, L. Lyons, D. Radojicic	(OXF)	REFID=22426
AGUILAR-...	71B	PR D4 2583	M. Aguilar-Benitez, R.L. Eisner, J.B. Kinson	(BNL)	REFID=22408
CRENNELL	69D	PRL 22 487	D.J. Crennell *et al.*	(BNL)	REFID=22399
SCHWEING...	68	PR 166 1317	F. Schweingruber *et al.*	(ANL, NWES)	REFID=22398
BARLOW	67	NC 50A 701	J. Barlow *et al.*	(CERN, CDEF, IRAD, LIVP)	REFID=20041
DEBAERE	67B	NC 51A 401	W. de Baere *et al.*	(BRUX, CERN)	REFID=22390
WOJCICKI	64	PR 135 B484	S.G. Wojcicki	(LRL)	REFID=22379

NODE=M094

$K^*(1410)$

$I(J^P) = \frac{1}{2}(1^-)$

$K^*(1410)$ MASS

NODE=M094M

NODE=M094M

	VALUE (MeV)	*EVTS*	*DOCUMENT ID*		*TECN*	*CHG*	*COMMENT*	
	1421± 9 OUR AVERAGE							
YOUR DATA	1437± 8±16	190k	[1] AAIJ	16N	LHCB		$D^0 \to (K^0_S\pi^\mp)K^\pm$	
YOUR DATA	1426± 8±24	190k	[2] AAIJ	16N	LHCB		$D^0 \to K^0_S(K^\pm\pi^\mp)$	OCCUR=2
	1380±21±19		ASTON	88	LASS	0	11 $K^-p \to K^-\pi^+n$	
	1420± 7±10		ASTON	87	LASS	0	11 $K^-p \to \overline{K}^0\pi^+\pi^-n$	
	• • • We do not use the following data for averages, fits, limits, etc. • • •							
	1276^{+72}_{-77}		[3,4] BOITO	09	RVUE		$\tau^- \to K^0_S\pi^-\nu_\tau$	
	1367±54		BIRD	89	LASS	−	11 $K^-p \to \overline{K}^0\pi^-p$	
	1474±25		BAUBILLIER	82B	HBC	0	8.25 $K^-p \to \overline{K}^0 2\pi n$	
	1500±30		ETKIN	80	MPS	0	6 $K^-p \to \overline{K}^0\pi^+\pi^-n$	

YOUR NOTE [1] Using a parametrization for the $K\pi$ S-wave similar to ASTON 88 with fixed resonance width. NODE=M094M;LINKAGE=A
YOUR NOTE [2] Using a $K\pi$ S-wave parametrization with resonant and non-resonant contributions. NODE=M094M;LINKAGE=C
[3] From the pole position of the $K\pi$ vector form factor in the complex s-plane and using EPIFANOV 07 data. NODE=M094M;LINKAGE=BI
[4] Systematic uncertainties not estimated. NODE=M094M;LINKAGE=NS

$K^*(1410)$ WIDTH

NODE=M094W

NODE=M094W

	VALUE (MeV)	*EVTS*	*DOCUMENT ID*		*TECN*	*CHG*	*COMMENT*
	236± 18 OUR AVERAGE						
YOUR DATA	210± 20±60	190k	[1] AAIJ	16N	LHCB		$D^0 \to (K^0_S\pi^\mp)K^\pm$

YOUR DATA	$270 \pm 20 \pm 40$	190k	[1] AAIJ	16N	LHCB		$D^0 \rightarrow K^0_S (K^{\pm} \pi^{\mp})$	OCCUR=2
	$176 \pm 52 \pm 22$		ASTON	88	LASS	0	$11\ K^- p \rightarrow K^- \pi^+ n$	
	$240 \pm 18 \pm 12$		ASTON	87	LASS	0	$11\ K^- p \rightarrow \overline{K}^0 \pi^+ \pi^- n$	
	• • • We do not use the following data for averages, fits, limits, etc. • • •							
	198^{+61}_{-87}		[2,3] BOITO	09	RVUE		$\tau^- \rightarrow K^0_S \pi^- \nu_\tau$	
	114 ± 101		BIRD	89	LASS	−	$11\ K^- p \rightarrow \overline{K}^0 \pi^- p$	
	275 ± 65		BAUBILLIER	82B	HBC	0	$8.25\ K^- p \rightarrow \overline{K}^0 2\pi n$	
	500 ± 100		ETKIN	80	MPS	0	$6\ K^- p \rightarrow \overline{K}^0 \pi^+ \pi^- n$	

YOUR NOTE

[1] Using a $K\pi$ S-wave parametrization with resonant and non-resonant contributions. NODE=M094W;LINKAGE=A

[2] From the pole position of the $K\pi$ vector form factor in the complex s-plane and using EPIFANOV 07 data. NODE=M094W;LINKAGE=BI

[3] Systematic uncertainties not estimated. NODE=M094W;LINKAGE=NS

$K^*(1410)$ REFERENCES

NODE=M094

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AAIJ	16N	PR D93 052018	R. Aaij *et al.*	(LHCb Collab.)	REFID=57273
BOITO	09	EPJ C59 821	D.R. Boito, R. Escribano, M. Jamin		REFID=52728
EPIFANOV	07	PL B654 65	D. Epifanov *et al.*	(BELLE Collab.)	REFID=51929
BIRD	89	SLAC-332	P.F. Bird	(SLAC)	REFID=41002
ASTON	88	NP B296 493	D. Aston *et al.*	(SLAC, NAGO, CINC, INUS)	REFID=40262
ASTON	87	NP B292 693	D. Aston *et al.*	(SLAC, NAGO, CINC, INUS)	REFID=40234
BAUBILLIER	82B	NP B202 21	M. Baubillier *et al.*	(BIRM, CERN, GLAS+)	REFID=22551
ETKIN	80	PR D22 42	A. Etkin *et al.*	(BNL, CUNY) JP	REFID=22545