$f_2(2010)$

$I^G(J^{PC}) = 0^+(2^{++})$

See also the mini-review under non-$q\overline{q}$ candidates. (See the index for the page number.)

$f_2(2010)$ MASS

VALUE (MeV)	*DOCUMENT ID*		*TECN*	*COMMENT*
$2011^{+\ 62}_{-\ 76}$	[1] ETKIN	88	MPS	22 $\pi^- p \rightarrow \phi\phi n$
• • • We do not use the following data for averages, fits, limits, etc. • • •				
2010 ± 60	ALDE	98	GAM4	100 $\pi^- p \rightarrow \pi^0\pi^0 n$
1980 ± 20	[2] BOLONKIN	88	SPEC	40 $\pi^- p \rightarrow K^0_S K^0_S n$
$2050^{+\ 90}_{-\ 50}$	ETKIN	85	MPS	22 $\pi^- p \rightarrow 2\phi n$
$2120^{+\ 20}_{-120}$	LINDENBAUM	84	RVUE	
2160 ± 50	ETKIN	82	MPS	22 $\pi^- p \rightarrow 2\phi n$

[1] Includes data of ETKIN 85. The percentage of the resonance going into $\phi\phi$ 2^{++} S_2, D_2, and D_0 is 98^{+1}_{-3}, 0^{+1}_{-0}, and 2^{+2}_{-1}, respectively.

[2] Statistically very weak, only 1.4 s.d.

$f_2(2010)$ WIDTH

VALUE (MeV)	*DOCUMENT ID*		*TECN*	*COMMENT*
$202^{+\ 67}_{-\ 62}$	[3] ETKIN	88	MPS	22 $\pi^- p \rightarrow \phi\phi n$
• • • We do not use the following data for averages, fits, limits, etc. • • •				
240 ± 100	ALDE	98	GAM4	100 $\pi^- p \rightarrow \pi^0\pi^0 n$
145 ± 50	[4] BOLONKIN	88	SPEC	40 $\pi^- p \rightarrow K^0_S K^0_S n$
$200^{+160}_{-\ 50}$	ETKIN	85	MPS	22 $\pi^- p \rightarrow 2\phi n$
$300^{+150}_{-\ 50}$	LINDENBAUM	84	RVUE	
310 ± 70	ETKIN	82	MPS	22 $\pi^- p \rightarrow 2\phi n$

[3] Includes data of ETKIN 85.

[4] Statistically very weak, only 1.4 s.d.

$f_2(2010)$ DECAY MODES

	Mode	Fraction (Γ_i/Γ)
Γ_1	$\phi\phi$	seen

$f_2(2010)$ REFERENCES

ALDE	98	EPJ A3 361	D. Alde *et al.*	(GAM4 Collab.)
Also	99	PAN 62 405	D. Alde *et al.*	(GAMS Collab.)
BOLONKIN	88	NP B309 426	B.V. Bolonkin *et al.*	(ITEP, SERP)
ETKIN	88	PL B201 568	A. Etkin *et al.*	(BNL, CUNY)
ETKIN	85	PL 165B 217	A. Etkin *et al.*	(BNL, CUNY)
LINDENBAUM	84	CNPP 13 285	S.J. Lindenbaum	(CUNY)
ETKIN	82	PRL 49 1620	A. Etkin *et al.*	(BNL, CUNY)
Also	83	Brighton Conf. 351	S.J. Lindenbaum	(BNL, CUNY)

OTHER RELATED PAPERS

ANISOVICH	99D	PL B452 180	A.V. Anisovich *et al.*	
Also	99F	NP A651 253	A.V. Anisovich *et al.*	
ANISOVICH	99F	NP A651 253	A.V. Anisovich *et al.*	
LANDBERG	96	PR D53 2839	C. Landberg *et al.*	(BNL, CUNY, RPI)
ARMSTRONG	89B	PL B221 221	T.A. Armstrong *et al.*	(CERN, CDEF, BIRM+)
GREEN	86	PRL 56 1639	D.R. Green *et al.*	(FNAL, ARIZ, FSU+)
BOOTH	84	NP B242 51	P.S.L. Booth *et al.*	(LIVP, GLAS, CERN)
EISENHAND...	75	NP B96 109	E. Eisenhandler *et al.*	(LOQM, LIVP, DARE+)