

# $f_2(2010)$

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

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

## $f_2(2010)$ MASS

VALUE (MeV)	DOCUMENT ID	TECN	COMMENT
$2011^{+62}_{-76}$	<sup>1</sup> ETKIN	88 MPS	22 $\pi^- p \rightarrow \phi\phi n$
● ● ● We do not use the following data for averages, fits, limits, etc. ● ● ●			
$1980 \pm 20$	<sup>2</sup> BOLONKIN	88 SPEC	40 $\pi^- p \rightarrow K_S^0 K_S^0 n$
$2050^{+90}_{-50}$	ETKIN	85 MPS	22 $\pi^- p \rightarrow 2\phi n$
$2120^{+20}_{-120}$	LINDENBAUM	84 RVUE	
$2160 \pm 50$	ETKIN	82 MPS	22 $\pi^- p \rightarrow 2\phi n$
<sup>1</sup> 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.			
<sup>2</sup> Statistically very weak, only 1.4 s.d.			

## $f_2(2010)$ WIDTH

VALUE (MeV)	DOCUMENT ID	TECN	COMMENT
$202^{+67}_{-62}$	<sup>3</sup> ETKIN	88 MPS	22 $\pi^- p \rightarrow \phi\phi n$
● ● ● We do not use the following data for averages, fits, limits, etc. ● ● ●			
$145 \pm 50$	<sup>4</sup> BOLONKIN	88 SPEC	40 $\pi^- p \rightarrow K_S^0 K_S^0 n$
$200^{+160}_{-50}$	ETKIN	85 MPS	22 $\pi^- p \rightarrow 2\phi n$
$300^{+150}_{-50}$	LINDENBAUM	84 RVUE	
$310 \pm 70$	ETKIN	82 MPS	22 $\pi^- p \rightarrow 2\phi n$
<sup>3</sup> Includes data of ETKIN 85.			
<sup>4</sup> Statistically very weak, only 1.4 s.d.			

## $f_2(2010)$ DECAY MODES

Mode	Fraction ( $\Gamma_i/\Gamma$ )
$\Gamma_1 \quad \phi\phi$	seen

## $f_2(2010)$ REFERENCES

BOLONKIN	88	NP B309 426	B.V. Bolonkin <i>et al.</i>	(ITEP, SERP)
ETKIN	88	PL B201 568	A. Etkin <i>et al.</i>	(BNL, CUNY)
ETKIN	85	PL 165B 217	A. Etkin <i>et al.</i>	(BNL, CUNY)
LINDENBAUM	84	CNPP 13 285	S.J. Lindenbaum	(CUNY)
ETKIN	82	PRL 49 1620	A. Etkin <i>et al.</i>	(BNL, CUNY)
Also	83	Brighton Conf. 351	S.J. Lindenbaum	(BNL, CUNY)

————— **OTHER RELATED PAPERS** —————

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

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