

$f_2(2010)$

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

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

$f_2(2010)$ MASS

<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
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 $\pi^- p \rightarrow K_S^0 K_S^0 n$
2050 ⁺ ₋₅₀ ⁹⁰	ETKIN	85 MPS	22 $\pi^- p \rightarrow 2\phi n$
2120 ⁺ ₋₁₂₀ ²⁰	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

<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
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 $\pi^- p \rightarrow K_S^0 K_S^0 n$
200 ⁺ ₋₅₀ ¹⁶⁰	ETKIN	85 MPS	22 $\pi^- p \rightarrow 2\phi n$
300 ⁺ ₋₅₀ ¹⁵⁰	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

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

$f_2(2010)$ REFERENCES

ALDE	98	EPJ A3 361	D. Alde <i>et al.</i>	(GAM4 Collab.)
Also	99	PAN 62 405	D. Alde <i>et al.</i>	(GAMS Collab.)
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)
ARMSTRONG	89B	PL B221 221	T.A. Armstrong <i>et al.</i>	(CERN, CDEF, BIRM+)
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+)