

**$f_2(2010)$** 

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

 **$f_2(2010)$  MASS**

VALUE (MeV)	DOCUMENT ID	TECN	COMMENT
<b><math>2011^{+62}_{-76}</math></b>	<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 ± 20	<sup>2</sup> BOLONKIN	88 SPEC	40 $\pi^- p \rightarrow K_S^0 K_S^0 n$
2050 <sup>+90</sup> <sub>-50</sub>	ETKIN	85 MPS	22 $\pi^- p \rightarrow 2\phi n$
2120 <sup>+20</sup> <sub>-120</sub>	LINDENBAUM	84 RVUE	
2160 ± 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
<b><math>202^{+67}_{-62}</math></b>	<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 ± 50	<sup>4</sup> BOLONKIN	88 SPEC	40 $\pi^- p \rightarrow K_S^0 K_S^0 n$
200 <sup>+160</sup> <sub>-50</sub>	ETKIN	85 MPS	22 $\pi^- p \rightarrow 2\phi n$
300 <sup>+150</sup> <sub>-50</sub>	LINDENBAUM	84 RVUE	
310 ± 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 ( $\Gamma_i/\Gamma$ )
$\Gamma_1 \phi\phi$	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		Brighton Conf. 351	S.J. Lindenbaum	(BNL, CUNY)

————— **OTHER RELATED PAPERS** —————

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ANISOVICH	05A	JETPL 81 417	V.V. Anisovich, A.V. Sarantsev	
		Translated from ZETFP 81 531.		
ANISOVICH	05C	IJMP A20 6327	V.V. Anisovich, M.A. Matveev, A.V. Sarantsev	
LONGACRE	04	PR D70 094041	R.S. Longacre, S.J. Lindenbaum	
ANISOVICH	99D	PL B452 180	A.V. Anisovich <i>et al.</i>	
		Also 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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