

$f_2(2010)$

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

 $f_2(2010)$ 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. • • •			
2005 ± 12	VLADIMIRSK...06	SPEC	40 $\pi^- p \rightarrow K_S^0 K_S^0 n$
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

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. • • •			
209 ± 32	VLADIMIRSK...06	SPEC	40 $\pi^- p \rightarrow K_S^0 K_S^0 n$
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

Mode	Fraction (Γ_i/Γ)
Γ_1 $\phi\phi$	seen
Γ_2 $K\bar{K}$	seen

 $f_2(2010)$ BRANCHING RATIOS

$\Gamma(K\bar{K})/\Gamma_{\text{total}}$	VALUE	DOCUMENT ID	TECN	COMMENT	Γ_2/Γ
seen		VLADIMIRSK...06	SPEC	40 $\pi^- p \rightarrow K_S^0 K_S^0 n$	

$f_2(2010)$ REFERENCES

VLADIMIRSK...	06	PAN 69 493	V.V. Vladimirsky <i>et al.</i>	(ITEP, Moscow)
		Translated from YAF 69 515.		
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)
