

$f_2(2010)$

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

 $f_2(2010)$ MASS

VALUE (MeV)	DOCUMENT ID	TECN	COMMENT
2011^{+62}_{-76}	¹ ETKIN	88	MPS 22 $\pi^- p \rightarrow \phi\phi n$
2005 \pm 12	VLADIMIRSK...06	SPEC	40 $\pi^- p \rightarrow K_S^0 K_S^0 n$
1980 \pm 20	² 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 $\pi^- p \rightarrow 2\phi n$

• • • We do not use the following data for averages, fits, limits, etc. • • •

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 $\pi^- p \rightarrow \phi\phi n$
209 \pm 32	VLADIMIRSK...06	SPEC	40 $\pi^- p \rightarrow K_S^0 K_S^0 n$
145 \pm 50	⁴ 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 $\pi^- p \rightarrow 2\phi n$

• • • We do not use the following data for averages, fits, limits, etc. • • •

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

$\Gamma(K\bar{K})/\Gamma_{\text{total}}$	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)

OTHER RELATED PAPERS

ANISOVICH 05	JETPL 80 715	V.V. Anisovich	
	Translated from ZETFP 80 845.		
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+)