

**$f_2(2010)$** 

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

 **$f_2(2010)$  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. • • •			
$2005 \pm 12$	VLADIMIRSK...06	SPEC	40 $\pi^- p \rightarrow K_S^0 K_S^0 n$
$1980 \pm 20$	<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. • • •			
$209 \pm 32$	VLADIMIRSK...06	SPEC	40 $\pi^- p \rightarrow K_S^0 K_S^0 n$
$145 \pm 50$	<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 ( $\Gamma_i/\Gamma$ )
$\Gamma_1$ $\phi \phi$	seen
$\Gamma_2$ $K \bar{K}$	seen

 **$f_2(2010)$  BRANCHING RATIOS**

$\Gamma(K\bar{K})/\Gamma_{\text{total}}$	VALUE	DOCUMENT ID	TECN	COMMENT	$\Gamma_2/\Gamma$
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)

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