

**$f_2(2010)$** 

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

 **$f_2(2010)$  MASS**

VALUE (MeV)	DOCUMENT ID	TECN	COMMENT
$2011^{+62}_{-76}$	<sup>1</sup> ETKIN	88	MPS 22 $\pi^- p \rightarrow \phi \phi n$
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 <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 $\pm$ 50	ETKIN	82	MPS 22 $\pi^- p \rightarrow 2\phi n$

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

<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 $\pi^- p \rightarrow \phi \phi n$
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 <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 $\pm$ 70	ETKIN	82	MPS 22 $\pi^- p \rightarrow 2\phi n$

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

<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**

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