

# $f_2(2340)$

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

See also the mini-review under non- $q\bar{q}$  candidates. (See the index for the page number.)

## $f_2(2340)$ MASS

VALUE (MeV)	DOCUMENT ID	TECN	COMMENT
<b>2339±55</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. ● ● ●			
2392±10	BOOTH	86 OMEG	85 $\pi^- Be \rightarrow 2\phi Be$
2360±20	LINDENBAUM	84 RVUE	

<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  $37 \pm 19$ ,  $4^{+12}_{-4}$ , and  $59^{+21}_{-19}$ , respectively.

## $f_2(2340)$ WIDTH

VALUE (MeV)	DOCUMENT ID	TECN	COMMENT
<b>319<sup>+81</sup><sub>-69</sub></b>	<sup>2</sup> ETKIN	88 MPS	22 $\pi^- p \rightarrow \phi\phi n$
● ● ● We do not use the following data for averages, fits, limits, etc. ● ● ●			
198± 50	BOOTH	86 OMEG	85 $\pi^- Be \rightarrow 2\phi Be$
150 <sup>+150</sup> <sub>-50</sub>	LINDENBAUM	84 RVUE	

<sup>2</sup> Includes data of ETKIN 85.

## $f_2(2340)$ DECAY MODES

Mode	Fraction ( $\Gamma_i/\Gamma$ )
$\Gamma_1 \quad \phi\phi$	seen

## $f_2(2340)$ REFERENCES

ETKIN	88	PL B201 568	A. Etkin <i>et al.</i>	(BNL, CUNY)
BOOTH	86	NP B273 677	P.S.L. Booth <i>et al.</i>	(LIVP, GLAS, CERN)
ETKIN	85	PL 165B 217	A. Etkin <i>et al.</i>	(BNL, CUNY)
LINDENBAUM	84	CNPP 13 285	S.J. Lindenbaum	(CUNY)

## OTHER RELATED PAPERS

BUGG	04A	EPJ C36 161	D.V. Bugg	
LONGACRE	04	PR D70 094041	R.S. Longacre, S.J. Lindenbaum	
BOLONKIN	00	JETPL 72 166	B.V. Bolonkin <i>et al.</i>	
		Translated from ZETFP	72 240.	
ANISOVICH	99D	PL B452 180	A.V. Anisovich <i>et al.</i>	
Also	99F	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+)