

**$f_2(2300)$** 

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

See also the mini-review under non- $q\bar{q}$  candidates. (See the index for the page number.) **$f_2(2300)$  MASS**

VALUE (MeV)	DOCUMENT ID	TECN	COMMENT
<b>2297±28</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. ● ● ●			
2231±10	BOOTH	86 OMEG	85 $\pi^- Be \rightarrow 2\phi Be$
2220 <sup>+90</sup> <sub>-20</sub>	LINDENBAUM	84 RVUE	
2320±40	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  $6^{+15}_{-5}$ ,  $25^{+18}_{-14}$ , and  $69^{+16}_{-27}$ , respectively.

 **$f_2(2300)$  WIDTH**

VALUE (MeV)	DOCUMENT ID	TECN	COMMENT
<b>149±41</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. ● ● ●			
133±50	BOOTH	86 OMEG	85 $\pi^- Be \rightarrow 2\phi Be$
200±50	LINDENBAUM	84 RVUE	
220±70	ETKIN	82 MPS	22 $\pi^- p \rightarrow 2\phi n$

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

 **$f_2(2300)$  DECAY MODES**

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

 **$f_2(2300)$  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)
ETKIN	82	PRL 49 1620	A. Etkin <i>et al.</i>	(BNL, CUNY)

**OTHER RELATED PAPERS**

AMELIN	00	NP B668 83	D. Amelin <i>et al.</i>	(VES Collab.)
BARBERIS	98	PL B432 436	D. Barberis <i>et al.</i>	(Omega expt.)
LANDBERG	96	PR D53 2839	C. Landberg <i>et al.</i>	(BNL, CUNY, RPI)
ARMSTRONG	89B	PL B221 221	T.A. Armstrong <i>et al.</i>	(CERN, CDEF, BIRM+)
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+)