$f_2(2300)$

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

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

$f_2(2300)$ MASS

VALUE (MeV)	*DOCUMENT ID*		*TECN*	*COMMENT*
2297±28	[1] ETKIN	88	MPS	22 $\pi^- p \rightarrow \phi\phi n$
• • • We do not use the following data for averages, fits, limits, etc. • • •				
2240±15	ANISOVICH	00J	SPEC	$p\overline{p} \rightarrow \pi^0\pi^0\eta$
2231±10	BOOTH	86	OMEG	85 π^- Be $\rightarrow 2\phi$ Be
2220^{+90}_{-20}	LINDENBAUM	84	RVUE	
2320±40	ETKIN	82	MPS	22 $\pi^- p \rightarrow 2\phi n$

[1] 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*
149±41	[2] ETKIN	88	MPS	22 $\pi^- p \rightarrow \phi\phi n$
• • • We do not use the following data for averages, fits, limits, etc. • • •				
241±30	ANISOVICH	00J	SPEC	$p\overline{p} \rightarrow \pi^0\pi^0\eta$
133±50	BOOTH	86	OMEG	85 π^- Be $\rightarrow 2\phi$ Be
200±50	LINDENBAUM	84	RVUE	
220±70	ETKIN	82	MPS	22 $\pi^- p \rightarrow 2\phi n$

[2] Includes data of ETKIN 85.

$f_2(2300)$ DECAY MODES

	Mode	Fraction (Γ_i/Γ)
Γ_1	$\phi\phi$	seen

$f_2(2300)$ REFERENCES

ANISOVICH	00J	PL B491 47	A.V. Anisovich *et al.*	
ETKIN	88	PL B201 568	A. Etkin *et al.*	(BNL, CUNY)
BOOTH	86	NP B273 677	P.S.L. Booth *et al.*	(LIVP, GLAS, CERN)
ETKIN	85	PL 165B 217	A. Etkin *et al.*	(BNL, CUNY)
LINDENBAUM	84	CNPP 13 285	S.J. Lindenbaum	(CUNY)
ETKIN	82	PRL 49 1620	A. Etkin *et al.*	(BNL, CUNY)

OTHER RELATED PAPERS

AMELIN	00	NP A668 83	D. Amelin *et al.*	(VES Collab.)
BOLONKIN	00	JETPL 72 166 Translated from ZETFP 72 240.	B.V. Bolonkin *et al.*	
BARBERIS	98	PL B432 436	D. Barberis *et al.*	(Omega expt.)
LANDBERG	96	PR D53 2839	C. Landberg *et al.*	(BNL, CUNY, RPI)
ARMSTRONG	89B	PL B221 221	T.A. Armstrong *et al.*	(CERN, CDEF, BIRM+)
GREEN	86	PRL 56 1639	D.R. Green *et al.*	(FNAL, ARIZ, FSU+)
BOOTH	84	NP B242 51	P.S.L. Booth *et al.*	(LIVP, GLAS, CERN)
EISENHAND...	75	NP B96 109	E. Eisenhandler *et al.*	(LOQM, LIVP, DARE+)