

$f_2(2300)$

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

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
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	$p\bar{p} \rightarrow \pi^0 \pi^0 \eta$
2231±10	BOOTH	86 OMEG	85 $\pi^- \text{Be} \rightarrow 2\phi \text{Be}$
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_{-5}^{+15} , 25_{-14}^{+18} , and 69_{-27}^{+16} , 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	$p\bar{p} \rightarrow \pi^0 \pi^0 \eta$
133±50	BOOTH	86 OMEG	85 $\pi^- \text{Be} \rightarrow 2\phi \text{Be}$
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)
$\Gamma_1 \quad \phi\phi$	seen

$f_2(2300)$ REFERENCES

ANISOVICH	00J	PL B491 47	A.V. Anisovich <i>et al.</i>	
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 A668 83	D. Amelin <i>et al.</i>	(VES Collab.)
BOLONKIN	00	JETPL 72 166	B.V. Bolonkin <i>et al.</i>	
		Translated from ZETFP 72 240.		
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+)
