

$f_2(2340)$

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

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
2339 ± 55	¹ 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	

¹Includes data of ETKIN 85. The percentage of the resonance going into $\phi\phi 2^{++} S_2$, D_2 , and D_0 is 37 ± 19 , 4^{+12}_{-4} , and 59^{+21}_{-19} , respectively.

 $f_2(2340)$ WIDTH

VALUE (MeV)	DOCUMENT ID	TECN	COMMENT
319^{+81}_{-69}	² 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^{+150}_{-50}	LINDENBAUM	84 RVUE	

²Includes data of ETKIN 85.

 $f_2(2340)$ DECAY MODES

Mode	Fraction (Γ_i/Γ)
$\Gamma_1 \phi\phi$	seen

 $f_2(2340)$ REFERENCES

ETKIN	88	PL B201 568	+Foley, Lindenbaum+	(BNL, CUNY)
BOOTH	86	NP B273 677	+Carroll, Donald, Edwards+	(LIVP, GLAS, CERN)
ETKIN	85	PL 165B 217	+Foley, Longacre, Lindenbaum+	(BNL, CUNY)
LINDENBAUM	84	CNPP 13 285		(CUNY)

OTHER RELATED PAPERS

LANDBERG	96	PR D53 2839	+Adams, Chan+	(BNL, CUNY, RPI)
ARMSTRONG	89B	PL B221 221	+Benayoun+(CERN, CDEF, BIRM, BARI, ATHU, CURIN+)	
GREEN	86	PRL 56 1639	+Lai+	(FNAL, ARIZ, FSU, NDAM, TUFTS, VAND+)
BOOTH	84	NP B242 51	+Ballance, Carroll, Donald+	(LIVP, GLAS, CERN)