# $f_2(2340)$ $\quad I^G(J^{PC}) = 0^+(2^{++})$

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

## $f_2(2340)$ MASS

| *VALUE* (MeV) | *DOCUMENT ID* | | *TECN* | *COMMENT* |
|---|---|---|---|---|
| **2339±55** | [1] ETKIN | 88 | MPS | 22 $\pi^- p \to \phi\phi n$ |
| • • • We do not use the following data for averages, fits, limits, etc. • • • | | | | |
| 2392±10 | BOOTH | 86 | OMEG | 85 $\pi^-$ Be $\to$ 2$\phi$Be |
| 2360±20 | LINDENBAUM | 84 | RVUE | |

[1] 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* |
|---|---|---|---|---|
| $\mathbf{319^{+\ 81}_{-\ 69}}$ | [2] ETKIN | 88 | MPS | 22 $\pi^- p \to \phi\phi n$ |
| • • • We do not use the following data for averages, fits, limits, etc. • • • | | | | |
| 198± 50 | BOOTH | 86 | OMEG | 85 $\pi^-$ Be $\to$ 2$\phi$Be |
| $150^{+150}_{-\ 50}$ | LINDENBAUM | 84 | RVUE | |

[2] Includes data of ETKIN 85.

## $f_2(2340)$ DECAY MODES

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

## $f_2(2340)$ REFERENCES


| | | | | |
|---|---|---|---|---|
| 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) |


## OTHER RELATED PAPERS


| | | | | |
|---|---|---|---|---|
| BOLONKIN | 00 | JETPL 72 166 | B.V. Bolonkin *et al.* | |
| | | Translated from ZETFP 72 240. | | |
| ANISOVICH | 99D | PL B452 180 | A.V. Anisovich *et al.* | |
| Also | 99F | NP A651 253 | A.V. Anisovich *et al.* | |
| ANISOVICH | 99F | NP A651 253 | A.V. Anisovich *et al.* | |
| LANDBERG | 96 | PR D53 2839 | C. Landberg *et al.* | (BNL, CUNY, RPI) |
| 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+) |