### $\Gamma(\omega K\overline{K})/\Gamma_{total}$ $\Gamma_{20}/\Gamma$

| VALUE (units $10^{-4}$) | EVTS | DOCUMENT ID | | TECN | COMMENT |
|---|---|---|---|---|---|
| **19 ± 4 OUR AVERAGE** | | | | | |
| 19.8± 2.1±3.9 | | [10] FALVARD | 88 | DM2 | $J/\psi \to$ hadrons |
| 16 ±10 | 22 | FELDMAN | 77 | MRK1 | $e^+e^-$ |

[10] Addition of $\omega K^+K^-$ and $\omega K^0\overline{K}^0$ branching ratios.

### $\Gamma(\omega f_J(1710) \to \omega K\overline{K})/\Gamma_{total}$ $\Gamma_{21}/\Gamma$

| VALUE (units $10^{-4}$) | DOCUMENT ID | | TECN | COMMENT |
|---|---|---|---|---|
| **4.8±1.1±0.3** | [11,12] FALVARD | 88 | DM2 | $J/\psi \to$ hadrons |

[11] Includes unknown branching fraction $f_J(1710) \to K\overline{K}$.
[12] Addition of $f_J(1710) \to K^+K^-$ and $f_J(1710) \to K^0\overline{K}^0$ branching ratios.

### $\Gamma(\phi 2(\pi^+\pi^-))/\Gamma_{total}$ $\Gamma_{22}/\Gamma$

| VALUE (units $10^{-4}$) | DOCUMENT ID | | TECN | COMMENT |
|---|---|---|---|---|
| **16.0±1.0±3.0** | FALVARD | 88 | DM2 | $J/\psi \to$ hadrons |

### $\Gamma(\Delta(1232)^{++}\overline{p}\pi^-)/\Gamma_{total}$ $\Gamma_{23}/\Gamma$

| VALUE (units $10^{-3}$) | EVTS | DOCUMENT ID | | TECN | COMMENT |
|---|---|---|---|---|---|
| **1.58±0.23±0.40** | 332 | EATON | 84 | MRK2 | $e^+e^-$ |

### $\Gamma(\omega\eta)/\Gamma_{total}$ $\Gamma_{24}/\Gamma$

| VALUE (units $10^{-3}$) | EVTS | DOCUMENT ID | | TECN | COMMENT |
|---|---|---|---|---|---|
| **1.58±0.16 OUR AVERAGE** | | | | | |
| 1.43±0.10±0.21 | 378 | JOUSSET | 90 | DM2 | $J/\psi \to$ hadrons |
| 1.71±0.08±0.20 | | COFFMAN | 88 | MRK3 | $e^+e^- \to 3\pi\eta$ |

### $\Gamma(\phi K\overline{K})/\Gamma_{total}$ $\Gamma_{25}/\Gamma$

| VALUE (units $10^{-4}$) | EVTS | DOCUMENT ID | | TECN | COMMENT |
|---|---|---|---|---|---|
| **14.8±2.2 OUR AVERAGE** | | | | | |
| 14.6± 0.8±2.1 | | [13] FALVARD | 88 | DM2 | $J/\psi \to$ hadrons |
| 18 ±8 | 14 | FELDMAN | 77 | MRK1 | $e^+e^-$ |

[13] Addition of $\phi K^+K^-$ and $\phi K^0\overline{K}^0$ branching ratios.

### $\Gamma(\phi f_J(1710) \to \phi K\overline{K})/\Gamma_{total}$ $\Gamma_{26}/\Gamma$

| VALUE (units $10^{-4}$) | DOCUMENT ID | | TECN | COMMENT |
|---|---|---|---|---|
| **3.6± .2±0.6** | [14,15] FALVARD | 88 | DM2 | $J/\psi \to$ hadrons |

[14] Including interference with $f_2'(1525)$.
[15] Includes unknown branching fraction $f_J(1710) \to K\overline{K}$.

### $\Gamma(p\overline{p}\omega)/\Gamma_{total}$ $\Gamma_{27}/\Gamma$

| VALUE (units $10^{-3}$) | EVTS | DOCUMENT ID | | TECN | COMMENT |
|---|---|---|---|---|---|
| **1.30±0.25 OUR AVERAGE** Error includes scale factor of 1.3. | | | | | |
| 1.10± 0.17±0.18 | 486 | EATON | 84 | MRK2 | $e^+e^-$ |
| 1.6 ±0.3 | 77 | PERUZZI | 78 | MRK1 | $e^+e^-$ |

### $\Gamma(\Delta(1232)^{++}\overline{\Delta}(1232)^{--})/\Gamma_{total}$ $\Gamma_{28}/\Gamma$

| VALUE (units $10^{-3}$) | EVTS | DOCUMENT ID | | TECN | COMMENT |
|---|---|---|---|---|---|
| **1.10±0.09±0.28** | 233 | EATON | 84 | MRK2 | $e^+e^-$ |

### $\Gamma(\Sigma(1385)^-\overline{\Sigma}(1385)^+ \text{(or c.c.)})/\Gamma_{total}$ $\Gamma_{29}/\Gamma$

| VALUE (units $10^{-3}$) | EVTS | DOCUMENT ID | | TECN | COMMENT |
|---|---|---|---|---|---|
| **1.03±0.13 OUR AVERAGE** | | | | | |
| 1.00± 0.04 ± 0.21 | 631± 25 | HENRARD | 87 | DM2 | $e^+e^- \to \Sigma^{*-}$ |
| 1.19± 0.04 ± 0.25 | 754± 27 | HENRARD | 87 | DM2 | $e^+e^- \to \Sigma^{*+}$ |
| 0.86± 0.18 ± 0.22 | 56 | EATON | 84 | MRK2 | $e^+e^- \to \Sigma^{*-}$ |
| 1.03± 0.24 ± 0.25 | 68 | EATON | 84 | MRK2 | $e^+e^- \to \Sigma^{*+}$ |

### $\Gamma(p\overline{p}\eta'(958))/\Gamma_{total}$ $\Gamma_{30}/\Gamma$

| VALUE (units $10^{-3}$) | EVTS | DOCUMENT ID | | TECN | COMMENT |
|---|---|---|---|---|---|
| **0.9 ±0.4 OUR AVERAGE** Error includes scale factor of 1.7. | | | | | |
| 0.68± 0.23 ± 0.17 | 19 | EATON | 84 | MRK2 | $e^+e^-$ |
| 1.8 ±0.6 | 19 | PERUZZI | 78 | MRK1 | $e^+e^-$ |

### $\Gamma(\phi f_2'(1525))/\Gamma_{total}$ $\Gamma_{31}/\Gamma$

| VALUE (units $10^{-4}$) | EVTS | DOCUMENT ID | | TECN | COMMENT |
|---|---|---|---|---|---|
| **8 ±4 OUR AVERAGE** Error includes scale factor of 2.7. | | | | | |
| 12.3± 0.6 ± 2.0 | | [16,17] FALVARD | 88 | DM2 | $J/\psi \to$ hadrons |
| 4.8± 1.8 | 46 | [16] GIDAL | 81 | MRK2 | $J/\psi \to K^+K^-K^+K^-$ |

[16] Re-evaluated using $B(f_2'(1525) \to K\overline{K}) = 0.713$.
[17] Including interference with $f_J(1710)$.

### $\Gamma(\phi\pi^+\pi^-)/\Gamma_{total}$ $\Gamma_{32}/\Gamma$

| VALUE (units $10^{-3}$) | EVTS | DOCUMENT ID | | TECN | COMMENT |
|---|---|---|---|---|---|
| **0.80±0.12 OUR AVERAGE** | | | | | |
| 0.78± 0.03 ± 0.12 | | FALVARD | 88 | DM2 | $J/\psi \to$ hadrons |
| 2.1 ±0.9 | 23 | FELDMAN | 77 | MRK1 | $e^+e^-$ |

### $\Gamma(\phi K^\pm K_S^0\pi^\mp)/\Gamma_{total}$ $\Gamma_{33}/\Gamma$

| VALUE (units $10^{-4}$) | EVTS | DOCUMENT ID | | TECN | COMMENT |
|---|---|---|---|---|---|
| **7.2±0.9 OUR AVERAGE** | | | | | |
| 7.4± 0.9± 1.1 | | FALVARD | 88 | DM2 | $J/\psi \to$ hadrons |
| 7 ± 0.6± 1.0 | 163± 15 | BECKER | 87 | MRK3 | $e^+e^- \to$ hadrons |

### $\Gamma(\omega f_1(1420))/\Gamma_{total}$ $\Gamma_{34}/\Gamma$

| VALUE (units $10^{-4}$) | EVTS | DOCUMENT ID | | TECN | COMMENT |
|---|---|---|---|---|---|
| **6.8$^{+1.9}_{-1.6}$±1.7** | 111$^{+31}_{-26}$ | BECKER | 87 | MRK3 | $e^+e^- \to$ hadrons |

### $\Gamma(\phi\eta)/\Gamma_{total}$ $\Gamma_{35}/\Gamma$

| VALUE (units $10^{-3}$) | EVTS | DOCUMENT ID | | TECN | COMMENT |
|---|---|---|---|---|---|
| **0.65 ±0.07 OUR AVERAGE** | | | | | |
| 0.64 ± 0.04 ± 0.11 | 346 | JOUSSET | 90 | DM2 | $J/\psi \to$ hadrons |
| 0.661± 0.045± 0.078 | | COFFMAN | 88 | MRK3 | $e^+e^- \to K^+K^-\eta$ |

### $\Gamma(\Xi(1530)^-\overline{\Xi}^+)/\Gamma_{total}$ $\Gamma_{36}/\Gamma$

| VALUE (units $10^{-3}$) | EVTS | DOCUMENT ID | | TECN | COMMENT |
|---|---|---|---|---|---|
| **0.59± 0.09± 0.12** | 75 ± 11 | HENRARD | 87 | DM2 | $e^+e^-$ |

### $\Gamma(pK^-\overline{\Sigma}(1385)^0)/\Gamma_{total}$ $\Gamma_{37}/\Gamma$

| VALUE (units $10^{-3}$) | EVTS | DOCUMENT ID | | TECN | COMMENT |
|---|---|---|---|---|---|
| **0.51± 0.26± 0.18** | 89 | EATON | 84 | MRK2 | $e^+e^-$ |

### $\Gamma(\omega\pi^0)/\Gamma_{total}$ $\Gamma_{38}/\Gamma$

| VALUE (units $10^{-3}$) | EVTS | DOCUMENT ID | | TECN | COMMENT |
|---|---|---|---|---|---|
| **0.42 ±0.06 OUR AVERAGE** Error includes scale factor of 1.4. | | | | | |
| 0.360± 0.028± 0.054 | 222 | JOUSSET | 90 | DM2 | $J/\psi \to$ hadrons |
| 0.482± 0.019± 0.064 | | COFFMAN | 88 | MRK3 | $e^+e^- \to \pi^0\pi^+\pi^-\pi^0$ |

### $\Gamma(\phi\eta'(958))/\Gamma_{total}$ $\Gamma_{39}/\Gamma$

| VALUE (units $10^{-3}$) | CL% | EVTS | DOCUMENT ID | | TECN | COMMENT |
|---|---|---|---|---|---|---|
| **0.33 ±0.04 OUR AVERAGE** | | | | | | |
| 0.41 ± 0.03 ± 0.08 | | 167 | JOUSSET | 90 | DM2 | $J/\psi \to$ hadrons |
| 0.308± 0.034± 0.036 | | | COFFMAN | 88 | MRK3 | $e^+e^- \to K^+K^-\eta'$ |
| • • • We do not use the following data for averages, fits, limits, etc. • • • | | | | | | |
| <1.3 | 90 | | VANNUCCI | 77 | MRK1 | $e^+e^-$ |

### $\Gamma(\phi f_0(980))/\Gamma_{total}$ $\Gamma_{40}/\Gamma$

| VALUE (units $10^{-4}$) | EVTS | DOCUMENT ID | | TECN | COMMENT |
|---|---|---|---|---|---|
| **3.2±0.9 OUR AVERAGE** Error includes scale factor of 1.9. | | | | | |
| 4.6± 0.4± 0.8 | | [18] FALVARD | 88 | DM2 | $J/\psi \to$ hadrons |
| 2.6± 0.6 | 50 | [18] GIDAL | 81 | MRK2 | $J/\psi \to K^+K^-K^+K^-$ |

[18] Assuming $B(f_0(980) \to \pi\pi) = 0.78$.

### $\Gamma(\Xi(1530)^0\overline{\Xi}^0)/\Gamma_{total}$ $\Gamma_{41}/\Gamma$

| VALUE (units $10^{-3}$) | EVTS | DOCUMENT ID | | TECN | COMMENT |
|---|---|---|---|---|---|
| **0.32± 0.12± 0.07** | 24 ± 9 | HENRARD | 87 | DM2 | $e^+e^-$ |

### $\Gamma(\Sigma(1385)^-\overline{\Sigma}^+ \text{(or c.c.)})/\Gamma_{total}$ $\Gamma_{42}/\Gamma$

| VALUE (units $10^{-3}$) | EVTS | DOCUMENT ID | | TECN | COMMENT |
|---|---|---|---|---|---|
| **0.31± 0.05 OUR AVERAGE** | | | | | |
| 0.30± 0.03± 0.07 | 74 ± 8 | HENRARD | 87 | DM2 | $e^+e^- \to \Sigma^{*-}$ |
| 0.34± 0.04± 0.07 | 77 ± 9 | HENRARD | 87 | DM2 | $e^+e^- \to \Sigma^{*+}$ |
| 0.29± 0.11± 0.10 | 26 | EATON | 84 | MRK2 | $e^+e^- \to \Sigma^{*-}$ |
| 0.31± 0.11± 0.11 | 28 | EATON | 84 | MRK2 | $e^+e^- \to \Sigma^{*+}$ |

### $\Gamma(\phi f_1(1285))/\Gamma_{total}$ $\Gamma_{43}/\Gamma$

| VALUE (units $10^{-4}$) | EVTS | DOCUMENT ID | | TECN | COMMENT |
|---|---|---|---|---|---|
| **2.6±0.5 OUR AVERAGE** Error includes scale factor of 1.1. | | | | | |
| 3.2± 0.6± 0.4 | | JOUSSET | 90 | DM2 | $J/\psi \to \phi 2(\pi^+\pi^-)$ |
| 2.1± 0.5± 0.4 | 25 | [19] JOUSSET | 90 | DM2 | $J/\psi \to \phi\eta\pi^+\pi^-$ |
| • • • We do not use the following data for averages, fits, limits, etc. • • • | | | | | |
| 0.6± 0.2± 0.1 | 16 ± 6 | BECKER | 87 | MRK3 | $J/\psi \to \phi K\overline{K}\pi$ |

[19] We attrribute to the $f_1(1285)$ the signal observed in the $\pi^+\pi^-\eta$ invariant mass distribution at 1297 Mev.

### $\Gamma(\rho\eta)/\Gamma_{total}$ $\Gamma_{44}/\Gamma$

| VALUE (units $10^{-3}$) | EVTS | DOCUMENT ID | | TECN | COMMENT |
|---|---|---|---|---|---|
| **0.193±0.023 OUR AVERAGE** | | | | | |
| 0.194± 0.017± 0.029 | 299 | JOUSSET | 90 | DM2 | $J/\psi \to$ hadrons |
| 0.193± 0.013± 0.029 | | COFFMAN | 88 | MRK3 | $e^+e^- \to \pi^+\pi^-\eta$ |