$f_0(1590)$

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

Seen by one group only.
Mass $m = 1581 \pm 10$ MeV
Full width $\Gamma = 180 \pm 17$ MeV (S = 1.2)

$f_0(1590)$ DECAY MODES	Fraction (Γ_i/Γ)	p (MeV/c)
$\eta\eta'(958)$	dominant	234
$\eta\eta$	large	570
$4\pi^0$	large	732

$\omega(1600)$ [p]

$I^G(J^{PC}) = 0^-(1^{--})$

Mass $m = 1662 \pm 13$ MeV
Full width $\Gamma = 280 \pm 24$ MeV

$\omega(1600)$ DECAY MODES	Fraction (Γ_i/Γ)	p (MeV/c)
$\rho\pi$	seen	644
$\omega\pi\pi$	seen	610
e^+e^-	seen	831

$\omega_3(1670)$

$I^G(J^{PC}) = 0^-(3^{--})$

Mass $m = 1668 \pm 5$ MeV
Full width $\Gamma = 173 \pm 11$ MeV [k]

$\omega_3(1670)$ DECAY MODES	Fraction (Γ_i/Γ)	p (MeV/c)
$\rho\pi$	seen	647
$\omega\pi\pi$	seen	614
$b_1(1235)\pi$	possibly seen	359

$\pi_2(1670)$

$I^G(J^{PC}) = 1^-(2^{-+})$

Mass $m = 1670 \pm 20$ MeV [k]
Full width $\Gamma = 240 \pm 15$ MeV [k] (S = 1.1)
$\Gamma_{ee} = 1.35 \pm 0.26$ keV

$\pi_2(1670)$ DECAY MODES	Fraction (Γ_i/Γ)	p (MeV/c)
$f_2(1270)\pi$	(56.2 ± 3.2) %	325
$\pi^\pm\pi^+\pi^-$	(53 ± 4) %	–
$\rho\pi$	(31 ± 4) %	649
$f_0(1300)\pi$	(8.7 ± 3.4) %	–
$K\overline{K}^*(892)$ + c.c.	(4.2 ± 1.4) %	453
$\gamma\gamma$	$(5.6 \pm 1.1) \times 10^{-6}$	835
$\eta\pi$	< 5 %	738
$\pi^\pm 2\pi^+ 2\pi^-$	< 5 %	734

$\phi(1680)$

$I^G(J^{PC}) = 0^-(1^{--})$

Not a well-established resonance.
Mass $m = 1680 \pm 50$ MeV [k]
Full width $\Gamma = 150 \pm 50$ MeV [k]

$\phi(1680)$ DECAY MODES	Fraction (Γ_i/Γ)	p (MeV/c)
$K\overline{K}^*(892)$ + c.c.	dominant	462
$K^0_S K\pi$	seen	619
$K\overline{K}$	seen	680
e^+e^-	seen	840
$\omega\pi\pi$	not seen	621

$\rho_3(1690)$

$I^G(J^{PC}) = 1^+(3^{--})$

J^P from the 2π and $K\overline{K}$ modes.
Mass $m = 1691 \pm 5$ MeV [k] (2π, $K\overline{K}$, and $K\overline{K}\pi$ modes)
Full width $\Gamma = 215 \pm 20$ MeV [k] (2π, $K\overline{K}$, and $K\overline{K}\pi$ modes)

$\rho_3(1690)$ DECAY MODES	Fraction (Γ_i/Γ)	Scale factor	p (MeV/c)
4π	(71.1 ± 1.9) %		788
$\pi^\pm\pi^+\pi^-\pi^0$	(67 ± 22) %		788
$\pi\pi$	(23.6 ± 1.3) %		834
$\omega\pi$	(16 ± 6) %		656
$K\overline{K}\pi$	(3.8 ± 1.2) %		628
$K\overline{K}$	(1.58 ± 0.26) %	1.2	686
$\eta\pi^+\pi^-$	seen		728

$\rho(1700)$ [o]

$I^G(J^{PC}) = 1^+(1^{--})$

Mass $m = 1700 \pm 20$ MeV [k] ($\eta\rho^0$ and mixed modes)
Full width $\Gamma = 235 \pm 50$ MeV [k] ($\eta\rho^0$, $\pi^+\pi^-$, and mixed modes)

$\rho(1700)$ DECAY MODES	Fraction (Γ_i/Γ)	p (MeV/c)
$\rho\pi\pi$	dominant	640
$\rho^0\pi^+\pi^-$	large	640
$\rho^\pm\pi^\mp\pi^0$	[q] large	642
$2(\pi^+\pi^-)$	large	792
$\pi^+\pi^-$	seen	838
$K\overline{K}^*(892)$ + c.c.	seen	479
$\eta\rho$	seen	533
$K\overline{K}$	seen	692
e^+e^-	seen	850

$f_J(1710)$ was $\theta(1690)$

$I^G(J^{PC}) = 0^+(\text{even}^{++})$

Mass $m = 1709 \pm 5$ MeV
Full width $\Gamma = 140 \pm 12$ MeV

$f_J(1710)$ DECAY MODES	Fraction (Γ_i/Γ)	p (MeV/c)
$K\overline{K}$	seen	697
$\pi\pi$	seen	843

$\phi_3(1850)$

$I^G(J^{PC}) = 0^-(3^{--})$

Mass $m = 1854 \pm 7$ MeV
Full width $\Gamma = 87^{+28}_{-23}$ MeV (S = 1.2)

$\phi_3(1850)$ DECAY MODES	Fraction (Γ_i/Γ)	p (MeV/c)
$K\overline{K}$	seen	785
$K\overline{K}^*(892)$ + c.c.	seen	602

$f_2(2010)$

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

Seen by one group only.
Mass $m = 2011^{+60}_{-80}$ MeV
Full width $\Gamma = 202 \pm 60$ MeV

$f_2(2010)$ DECAY MODES	Fraction (Γ_i/Γ)	p (MeV/c)
$\phi\phi$	seen	–