$\phi(1680)$

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

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