$\eta'(958)$

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

Mass $m = 957.77 \pm 0.14$ MeV
Full width $\Gamma = 0.201 \pm 0.016$ MeV (S = 1.3)

$\eta'(958)$ DECAY MODES	Fraction (Γ_i/Γ)	Scale factor/ Confidence level	p (MeV/c)
$\pi^+\pi^-\eta$	(43.7 ± 1.5) %	S=1.1	232
$\rho^0\gamma$	(30.2 ± 1.3) %	S=1.1	169
$\pi^0\pi^0\eta$	(20.8 ± 1.3) %	S=1.2	239
$\omega\gamma$	(3.02 ± 0.30) %		160
$\gamma\gamma$	(2.12 ± 0.13) %	S=1.2	479
$3\pi^0$	(1.55 ± 0.26) $\times 10^{-3}$		430
$\mu^+\mu^-\gamma$	(1.04 ± 0.26) $\times 10^{-4}$		467
$\pi^+\pi^-\pi^0$	$<$ 5 %	CL=90%	427
$\pi^0\rho^0$	$<$ 4 %	CL=90%	118
$\pi^+\pi^-$	$<$ 2 %	CL=90%	458
$\pi^0 e^+ e^-$	$<$ 1.3 %	CL=90%	469
$\eta e^+ e^-$	$<$ 1.1 %	CL=90%	322
$\pi^+\pi^+\pi^-\pi^-$	$<$ 1 %	CL=90%	372
$\pi^+\pi^+\pi^-\pi^-$ neutrals	$<$ 1 %	CL=95%	–
$\pi^+\pi^+\pi^-\pi^-\pi^0$	$<$ 1 %	CL=90%	298
6π	$<$ 1 %	CL=90%	189
$\pi^+\pi^- e^+ e^-$	$<$ 6 $\times 10^{-3}$	CL=90%	458
$\pi^0\pi^0$	$<$ 9 $\times 10^{-4}$	CL=90%	459
$\pi^0\gamma\gamma$	$<$ 8 $\times 10^{-4}$	CL=90%	469
$4\pi^0$	$<$ 5 $\times 10^{-4}$	CL=90%	379
3γ	$<$ 1.0 $\times 10^{-4}$	CL=90%	479
$\mu^+\mu^-\pi^0$	$<$ 6.0 $\times 10^{-5}$	CL=90%	445
$\mu^+\mu^-\eta$	$<$ 1.5 $\times 10^{-5}$	CL=90%	274
$\pi^+\pi^-\gamma$ (including $\rho^0\gamma$)	(27.9 ± 2.3) %		–
e^+e^-	$<$ 2.1 $\times 10^{-7}$	CL=90%	479

$f_0(980)$ was $S(975)$

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

Mass $m = 980 \pm 10$ MeV
Full width $\Gamma = 40$ to 400 MeV

$f_0(980)$ DECAY MODES	Fraction (Γ_i/Γ)	Confidence level	p (MeV/c)
$\pi\pi$	(78.1 ± 2.4) %		470
$K\overline{K}$	(21.9 ± 2.4) %		–
$\gamma\gamma$	(1.19 ± 0.33) $\times 10^{-5}$		490
e^+e^-	$<$ 3 $\times 10^{-7}$	90%	490

$a_0(980)$ was $\delta(980)$

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

Mass $m = 982.4 \pm 1.4$ MeV
Full width $\Gamma = 50$ to 300 MeV

$a_0(980)$ DECAY MODES	Fraction (Γ_i/Γ)	p (MeV/c)
$\eta\pi$	dominant	319
$K\overline{K}$	seen	–
$\gamma\gamma$	seen	491

$\phi(1020)$

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

Mass $m = 1019.413 \pm 0.008$ MeV
Full width $\Gamma = 4.43 \pm 0.06$ MeV
$\Gamma_{ee} = 1.37 \pm 0.05$ keV

$\phi(1020)$ DECAY MODES	Fraction (Γ_i/Γ)	Scale factor/ Confidence level	p (MeV/c)
K^+K^-	(49.1 ± 0.9) %	S=1.3	127
$K^0_L K^0_S$	(34.3 ± 0.7) %	S=1.2	110
$\rho\pi$	(12.9 ± 0.7) %		181
$\pi^+\pi^-\pi^0$	(2.5 ± 0.9) %	S=1.1	462
$\eta\gamma$	(1.28 ± 0.06) %	S=1.2	363
$\pi^0\gamma$	(1.31 ± 0.13) $\times 10^{-3}$		501
e^+e^-	(3.09 ± 0.07) $\times 10^{-4}$		510
$\mu^+\mu^-$	(2.48 ± 0.34) $\times 10^{-4}$		499
ηe^+e^-	($1.3\ ^{+0.8}_{-0.6}$) $\times 10^{-4}$		363
$\pi^+\pi^-$	($8\ ^{+5}_{-4}$) $\times 10^{-5}$	S=1.5	490
$\omega\gamma$	$<$ 5 %	CL=84%	210
$\rho\gamma$	$<$ 2 %	CL=84%	219
$\pi^+\pi^-\gamma$	$<$ 7 $\times 10^{-3}$	CL=90%	490
$f_0(980)\gamma$	$<$ 2 $\times 10^{-3}$	CL=90%	39
$\pi^0\pi^0\gamma$	$<$ 1 $\times 10^{-3}$	CL=90%	492
$\pi^+\pi^-\pi^+\pi^-$	$<$ 8.7 $\times 10^{-4}$	CL=90%	410
$\eta'(958)\gamma$	$<$ 4.1 $\times 10^{-4}$	CL=90%	60
$\pi^+\pi^+\pi^-\pi^-\pi^0$	$<$ 1.5 $\times 10^{-4}$	CL=95%	341
$\pi^0 e^+e^-$	$<$ 1.2 $\times 10^{-4}$	CL=90%	501
$\pi^0\eta\gamma$	$<$ 2.5 $\times 10^{-3}$	CL=90%	346
$a_0(980)\gamma$	$<$ 5 $\times 10^{-3}$	CL=90%	36

$h_1(1170)$

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

Mass $m = 1170 \pm 20$ MeV
Full width $\Gamma = 360 \pm 40$ MeV

$h_1(1170)$ DECAY MODES	Fraction (Γ_i/Γ)	p (MeV/c)
$\rho\pi$	seen	310

$b_1(1235)$

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

Mass $m = 1231 \pm 10$ MeV [k]
Full width $\Gamma = 142 \pm 8$ MeV (S = 1.1)

$b_1(1235)$ DECAY MODES	Fraction (Γ_i/Γ)	Confidence level	p (MeV/c)
$\omega\pi$	dominant		348
[D/S amplitude ratio $= 0.26 \pm 0.04$]			
$\pi^\pm\gamma$	(1.6 ± 0.4) $\times 10^{-3}$		608
$\eta\rho$	seen		–
$\pi^+\pi^+\pi^-\pi^0$	$<$ 50 %	84%	536
$(K\overline{K})^\pm\pi^0$	$<$ 8 %	90%	248
$K^0_S K^0_L \pi^\pm$	$<$ 6 %	90%	238
$K^0_S K^0_S \pi^\pm$	$<$ 2 %	90%	238
$\pi\phi$	$<$ 1.5 %	84%	146

$a_1(1260)$

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

Mass $m = 1230 \pm 40$ MeV [k]
Full width $\Gamma \sim 400$ MeV

$a_1(1260)$ DECAY MODES	Fraction (Γ_i/Γ)	Confidence level	p (MeV/c)
$\rho\pi$	dominant		356
$\pi\gamma$	seen		607
$\pi(\pi\pi)_{S\text{-wave}}$	[k] $<$0.7 %	90%	575

$f_2(1270)$

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

Mass $m = 1275 \pm 5$ MeV [k]
Full width $\Gamma = 185 \pm 20$ MeV [k]

$f_2(1270)$ DECAY MODES	Fraction (Γ_i/Γ)	Scale factor/ Confidence level	p (MeV/c)
$\pi\pi$	($84.9\ ^{+2.5}_{-1.3}$) %	S=1.3	622
$\pi^+\pi^-2\pi^0$	($6.9\ ^{+1.5}_{-2.7}$) %	S=1.4	562
$K\overline{K}$	(4.6 ± 0.5) %	S=2.8	403
$2\pi^+2\pi^-$	(2.8 ± 0.4) %	S=1.2	559
$\eta\eta$	(4.5 ± 1.0) $\times 10^{-3}$	S=2.4	327
$4\pi^0$	(3.0 ± 1.0) $\times 10^{-3}$		564
$\gamma\gamma$	($1.32\ ^{+0.18}_{-0.16}$) $\times 10^{-5}$	S=1.1	637
$\eta\pi\pi$	$<$ 8 $\times 10^{-3}$	CL=95%	475
$K^0K^-\pi^+$ + c.c.	$<$ 3.4 $\times 10^{-3}$	CL=95%	293
e^+e^-	$<$ 9 $\times 10^{-9}$	CL=90%	637