

States	Phase difference ($^{\circ}$)
$f_2(1270)^0 - \phi^{\perp}$	139.5 ± 6.5
$f_2'(1525)^0 - \phi^{\perp}$	-167.9 ± 6.6
$f_2(1750)^0 - \phi^{\perp}$	-251.5 ± 13.0
$f_2(1950)^0 - \phi^{\perp}$	-84.1 ± 42.1
$\phi(1680)^0 - \phi^0$	181.5 ± 5.2
$f_2(1270)^{\perp} - \phi^0$	100.5 ± 16.1
$f_2'(1525)^{\perp} - \phi^0$	-145.4 ± 9.2
$f_2(1750)^{\perp} - \phi^0$	230.2 ± 36.1
$f_2(1950)^{\perp} - \phi^0$	116.7 ± 17.4
$\phi^{\perp} - \phi^0$	199.7 ± 7.6
$\phi(1680)^{\perp} - \phi^{\perp}$	134.0 ± 7.6
$f_2(1270)^{\parallel} - \phi^{\perp}$	-140.3 ± 21.4
$f_2'(1525)^{\parallel} - \phi^{\perp}$	46.2 ± 7.9
$f_2(1750)^{\parallel} - \phi^{\perp}$	-27.5 ± 15.9
$f_2(1950)^{\parallel} - \phi^{\perp}$	3.8 ± 19.5
$\phi^{\parallel} - \phi^0$	195.4 ± 3.8
$\phi(1680)^{\parallel} - \phi^0$	-105.8 ± 8.9