Table 2: J^{PC_n}-Exotic Hybrid Mesons and Dominant Decays in the Flux Tube Model

Hybrid Meson					**Secondary Decays**		
State	IKP label	$J^{PC_n}(I^G)$	Decay	$\Gamma_{H\to AB}$ (MeV)	Γ_B (MeV)	Decay	$b.f.$
$\hat{a}_2(1900)$	x_2^{+-}	$2^{+-}(1^+)$	$[\pi a_2(1320)]_P$	450	103	$a_2 \to \rho\pi$	70%
						$\to \eta\pi$	15%
						$\to \omega\pi\pi$	11%
						$\to K\bar{K}$	5%
			$[\pi a_1(1260)]_P$	100	$\sim$400	$a_1 \to \rho\pi$	most
			$[\pi h_1(1170)]_P$	150	360	$h_1 \to \rho\pi$	seen
$\hat{f}_2(1900)$	y_2^{+-}	$2^{+-}(0^-)$	$[\pi b_1(1235)]_P$	500	155	$b_1 \to (\omega\pi)_{S,D}$	most
						$\to \eta\rho$	seen
$\hat{f}'_2(2100)$	z_2^{+-}	$2^{+-}(0^-)$	$[KK_2^*(1430)]_P$	250	98	$K_2^* \to K\pi$	50%
						$\to K^*\pi$	25%
						$\to K^*\pi\pi$	13%
			$[KK_1(1400)]_P$	200	174	$K_1 \to K^*\pi$	94%
$\hat{\rho}(1900)$	x_1^{-+}	$1^{-+}(1^-)$	$[\pi b_1(1235)]_{S,D}$	100,30	155	$b_1 \to (\omega\pi)_{S,D}$	most
						$\to \eta\rho$	seen
			$[\pi f_1(1285)]_{S,D}$	30,20	24	$f_1 \to \eta\pi\pi$	50%
						$\to 4\pi(\rho\pi\pi)$	38%
						$\to a_0(980)\pi$	37%
$\hat{\omega}(1900)$	y_1^{-+}	$1^{-+}(0^+)$	$[\pi a_1(1260)]_{S,D}$	100,70	$\sim$400	$a_1 \to \rho\pi$	most
			$[\pi\pi(1300)]_P$	100	200-600	$\pi(1300) \to \rho\pi$	seen
			$[KK_1(1400)]_S$	100	174	$K_1 \to K^*\pi$	94%
$\hat{\phi}(2100)$	z_1^{-+}	$1^{-+}(0^+)$	$[KK_1(1270)]_D$	80	90	$K_1 \to K\rho$	42%
						$\to K_0^*\pi$	28%
						$\to K^*\pi$	16%
						$\to K\omega$	11%
			$[KK_1(1400)]_S$	250	174	$K_1 \to K^*\pi$	94%
			$[KK(1460)]_P$	30	250	$K \to K\pi\pi$	seen
$\hat{a}_0(1900)$	x_0^{+-}	$0^{+-}(1^+)$	$[\pi a_1(1260)]_P$	800	$\sim$400	$a_1 \to \rho\pi$	most
			$[\pi h_1(1170)]_P$	100	360	$h_1 \to \rho\pi$	seen
			$[\pi\pi(1300)]_S$	900	200-600	$\pi(1300) \to \rho\pi$	seen
$\hat{f}_0(1900)$	y_0^{+-}	$0^{+-}(0^-)$	$[\pi b_1(1235)]_P$	250	155	$b_1 \to (\omega\pi)_{S,D}$	most
						$\to \eta\rho$	seen
$\hat{f}'_0(2100)$	z_0^{+-}	$0^{+-}(0^-)$	$[KK_1(1270)]_P$	800	90	See $\hat{\phi}(2100)$	
			$[KK_1(1400)]_P$	50	174	$K_1 \to K^*\pi$	94%
			$[KK(1460)]_S$	800	250	$K \to K\pi\pi$	seen