

Channel	Z boson selection	h boson selection
$ll + \mu\tau_h$		$\epsilon_{\text{id.}}^\mu > 99\%, I^\mu < 0.15$
$ll + e\tau_h$	Opposite charge, same-flavor light leptons	$\epsilon_{\text{id.}}^e = 80\%, I^e < 0.15, \epsilon_{\text{id.+iso.}}^{\tau_h} = 65\%$
$ll + \tau_h\tau_h$		
$ll + e\mu$		$\epsilon_{\text{id.}}^e = 80\%, I^e < 0.15, \epsilon_{\text{id.+iso.}}^{\tau_h} = 65\%$
		$\epsilon_{\text{id.}}^\mu > 99\%, I^\mu < 0.15$