

Channel	Category	Discriminator	
$\tau_e \tau_\mu$	$e + \mu$	$m_{\text{vis}}(e, \mu)$	visible mass
$\tau_e \tau_h$	$e + a_1$	$\omega(a_1)$	optimal observable with SVfit
	$e + \rho$	$\omega_{\text{vis}}(\rho)$	visible optimal observable
	$e + \pi$	$\omega(\pi)$	optimal observable with SVfit
$\tau_\mu \tau_h$	$\mu + a_1$	$\omega(a_1)$	optimal observable with SVfit
	$\mu + \rho$	$\omega_{\text{vis}}(\rho)$	visible optimal observable
	$\mu + \pi$	$\omega(\pi)$	optimal observable with SVfit
$\tau_h \tau_h$	$a_1 + a_1$	$m_{\text{vis}}(a_1, a_1)$	visible mass
	$a_1 + \pi$	$\Omega(a_1, \pi)$	combined optimal observable with SVfit
	$\rho + \tau_h$	$\omega_{\text{vis}}(\rho)$	visible optimal observable (for leading ρ)
	$\pi + \pi$	$m_{\text{vis}}(\pi, \pi)$	visible mass