

		Low-mass range	High-mass range
H $\rightarrow$ $\mu\tau_h$	0-jet	$p_T^\mu > 60$ GeV	$p_T^\mu > 150$ GeV
		$p_T^\tau > 30$ GeV	$p_T^\tau > 45$ GeV
		$m_T(\tau_h) < 105$ GeV	$m_T(\tau_h) < 200$ GeV
	1-jet	$p_T^\mu > 60$ GeV	$p_T^\mu > 150$ GeV
		$p_T^\tau > 30$ GeV	$p_T^\tau > 45$ GeV
		$m_T(\tau_h) < 120$ GeV	$m_T(\tau_h) < 230$ GeV
H $\rightarrow$ $\mu\tau_e$	0-jet	$p_T^\mu > 60$ GeV	$p_T^\mu > 150$ GeV
		$p_T^e > 10$ GeV	$p_T^e > 10$ GeV
		$\Delta\phi(e, \vec{p}_T^{\text{miss}}) < 0.7$ rad $\Delta\phi(e, \mu) > 2.2$ rad	$\Delta\phi(e, \vec{p}_T^{\text{miss}}) < 0.3$ rad $\Delta\phi(e, \mu) > 2.2$ rad
	1-jet	$p_T^\mu > 60$ GeV	$p_T^\mu > 150$ GeV
		$p_T^e > 10$ GeV	$p_T^e > 10$ GeV
		$\Delta\phi(e, \vec{p}_T^{\text{miss}}) < 0.7$ rad $\Delta\phi(e, \mu) > 2.2$ rad	$\Delta\phi(e, \vec{p}_T^{\text{miss}}) < 0.3$ rad $\Delta\phi(e, \mu) > 2.2$ rad
H $\rightarrow$ $e\tau_h$	0-jet	$p_T^e > 60$ GeV	$p_T^e > 150$ GeV
		$p_T^\tau > 30$ GeV	$p_T^\tau > 45$ GeV
		$m_T(\tau_h) < 105$ GeV	$m_T(\tau_h) < 200$ GeV
	1-jet	$p_T^e > 60$ GeV	$p_T^e > 150$ GeV
		$p_T^\tau > 30$ GeV	$p_T^\tau > 45$ GeV
		$m_T(\tau_h) < 120$ GeV	$m_T(\tau_h) < 230$ GeV
H $\rightarrow$ $e\tau_\mu$	0-jet	$p_T^e > 60$ GeV	$p_T^e > 150$ GeV
		$p_T^\mu > 10$ GeV	$p_T^\mu > 10$ GeV
		$\Delta\phi(\mu, \vec{p}_T^{\text{miss}}) < 0.7$ rad $\Delta\phi(e, \mu) > 2.2$ rad	$\Delta\phi(\mu, \vec{p}_T^{\text{miss}}) < 0.3$ rad $\Delta\phi(e, \mu) > 2.2$ rad
	1-jet	$p_T^e > 60$ GeV	$p_T^e > 150$ GeV
		$p_T^\mu > 10$ GeV	$p_T^\mu > 10$ GeV
		$\Delta\phi(\mu, \vec{p}_T^{\text{miss}}) < 0.7$ rad $\Delta\phi(e, \mu) > 2.2$ rad	$\Delta\phi(\mu, \vec{p}_T^{\text{miss}}) < 0.3$ rad $\Delta\phi(e, \mu) > 2.2$ rad