

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