

HLT chain		L1 trigger	Offline event selection	Period
Single- $\tau_{\text{had-vis}}$ triggers				
tau80	medium1_tracktwo	TAU60	$p_{\text{T}}(\tau_0) > 100 \text{ GeV}$	15 A – 16 A
tau125	medium1_tracktwo	TAU60	$p_{\text{T}}(\tau_0) > 140 \text{ GeV}$	16 B – 16 D3
tau160	medium1_tracktwo	TAU60	$p_{\text{T}}(\tau_0) > 180 \text{ GeV}$	16 D4 – 17 B4
tau160	medium1_tracktwo	TAU100	$p_{\text{T}}(\tau_0) > 180 \text{ GeV}$	17 B5 – 17 N
tau160	medium1_tracktwoEF	TAU100	$p_{\text{T}}(\tau_0) > 180 \text{ GeV}$	18 A – 18 R
tau160	mediumRNN_tracktwoMVA	TAU100	$p_{\text{T}}(\tau_0) > 180 \text{ GeV}$	18 K – 18 R
Di- $\tau_{\text{had-vis}}$ triggers				
tau35 + tau25	medium1_tracktwo	TAU20IM_2TAU12IM	$p_{\text{T}}(\text{j}_0) > 80 \text{ GeV}$	15 A – 15 J
tau35 + tau25	medium1_tracktwo	TAU20IM_2TAU12IM_J25_2J20_3J12	$p_{\text{T}}(\text{j}_0) > 80 \text{ GeV}$	16 A – 17 B4
tau35 + tau25	medium1_tracktwo	TAU20IM_2TAU12IM_4J12	$p_{\text{T}}(\text{j}_1) > 45 \text{ GeV}$	17 A – 17 N
tau35 + tau25	medium1_tracktwo	DR-TAU20ITAU12I-J25	$p_{\text{T}}(\text{j}_0) > 80 \text{ GeV}, \Delta R(\tau_0, \tau_1) < 2.5$	17 B5 – 17 N
tau35 + tau25	medium1_tracktwoEF	TAU20IM_2TAU12IM_4J12.0ETA23	$p_{\text{T}}(\text{j}_1) > 45 \text{ GeV}$	18 A – 18 R
tau35 + tau25	medium1_tracktwoEF	DR-TAU20ITAU12I-J25	$p_{\text{T}}(\text{j}_0) > 80 \text{ GeV}, \Delta R(\tau_0, \tau_1) < 2.5$	18 A – 18 R
tau35 + tau25	mediumRNN_tracktwoMVA	TAU20IM_2TAU12IM_4J12.0ETA23	$p_{\text{T}}(\text{j}_1) > 45 \text{ GeV}$	18 K – 18 R
tau35 + tau25	mediumRNN_tracktwoMVA	DR-TAU20ITAU12I-J25	$p_{\text{T}}(\text{j}_0) > 80 \text{ GeV}, \Delta R(\tau_0, \tau_1) < 2.5$	18 K – 18 R