

Category	Variable / Description	Selection
All	Electron veto	$p_T > 10 \text{ GeV}$ and $ \eta < 2.5$
	Muon veto	$p_T > 10 \text{ GeV}$ and $ \eta < 2.4$
	τ lepton veto	$p_T > 18 \text{ GeV}$ and $ \eta < 2.3$
	Photon veto	$p_T > 15 \text{ GeV}$ and $ \eta < 2.5$
	b jet veto	DeepCSV “medium”, $p_T > 20 \text{ GeV}$, $ \eta < 2.4$
	p_T^{miss}	$> 250 \text{ GeV}$
	Δp_T^{miss} (PF-calorimeter)	< 0.5
	$\Delta\phi$ (PF, charged)	< 2
	$\Delta\phi(\vec{p}_T^{\text{miss}}, \vec{p}_T^j)$	> 0.5
All (2018)	Calorimeter failure mitigation (I)	no AK4 jet with $p_T > 30 \text{ GeV}$, $-1.57 < \phi < -0.87$, $-3.0 < \eta < -1.3$
	Calorimeter failure mitigation (II)	$\phi(\vec{p}_T^{\text{miss}}) \notin [-1.62, -0.62]$ if $p_T^{\text{miss}} < 470 \text{ GeV}$
Monojet	Leading AK4 jet	$p_T > 100 \text{ GeV}$ and $ \eta < 2.4$
Mono-V	Leading AK8 jet	$p_T > 250 \text{ GeV}$, $ \eta < 2.4$, $65 < m_{\text{SD}} < 120 \text{ GeV}$
		Subcategorization based on DEEPAK8 score