

Channel	Vector boson decay products selection	Vector boson reconstruction and selection	Jet selection
MET small-radius		$\vec{p}_T^Z = \vec{p}_T^{\text{miss}}$ $p_T^Z > 150 \text{ GeV}$	≥ 4 small-radius jets with $p_T > 35 \text{ GeV}$
MET large-radius		$\vec{p}_T^Z = \vec{p}_T^{\text{miss}}$ $p_T^Z > 250 \text{ GeV}$	≥ 2 large-radius jets with $p_T > 200 \text{ GeV}$
1L	$p_T^e > 32(28) \text{ GeV}$ 2018/2017 (2016) OR $p_T^\mu > 25 \text{ GeV}$ $\Delta\phi(\vec{p}_T^\ell, \vec{p}_T^{\text{miss}}) < 2.0$	$\vec{p}_T^W = \vec{p}_T^\ell + \vec{p}_T^{\text{miss}}$ $p_T^W > 125 \text{ GeV}$	≥ 3 small-radius jets with $p_T > 25 \text{ GeV}$ and ≥ 4 small-radius jets with $p_T > 15 \text{ GeV}$ OR ≥ 2 large-radius jets with $p_T > 200 \text{ GeV}$
2L	$p_T^{\mu 1} > 20 \text{ GeV}$ $p_T^{\mu 2} > 20 \text{ GeV}$ $p_T^{e 1} > 25 \text{ GeV}$ $p_T^{e 2} > 20 \text{ GeV}$	$\vec{p}^Z = \vec{p}^{\ell 1} + \vec{p}^{\ell 2}$ $p_T^Z > 50 \text{ GeV}$	≥ 4 small-radius jets with $p_T > 20 \text{ GeV}$
FH	$p_T^{J_i} > 20 \text{ GeV}$	$\vec{p}^V = \vec{p}^{J_1} + \vec{p}^{J_2}$ $65 < m_V < 105 \text{ GeV}$	≥ 4 small-radius jets with $p_T > 40 \text{ GeV}$ and ≥ 6 small-radius jets with $p_T > 20 \text{ GeV}$