

Variable	Selection	Target background
Muon (electron) veto	$p_T > 10 \text{ GeV}, \eta < 2.4(2.5)$	$Z(\ell\ell)+\text{jets}, W(\ell\nu)+\text{jets}$
τ lepton veto	$p_T > 18 \text{ GeV}, \eta < 2.3$	$Z(\ell\ell)+\text{jets}, W(\ell\nu)+\text{jets}$
Photon veto	$p_T > 15 \text{ GeV}, \eta < 2.5$	$\gamma+\text{jets}$
Bottom jet veto	$CSV_{v2} < 0.8484, p_T > 15 \text{ GeV}, \eta < 2.4$	Top quark
p_T^{miss}	$> 250 \text{ GeV}$	QCD, top quark, $Z(\ell\ell)+\text{jets}$
$\Delta\phi(\vec{p}_T^{\text{jet}}, \vec{p}_T^{\text{miss}})$	$> 0.5 \text{ radians}$	QCD
Leading AK4 jet p_T and η	$> 100 \text{ GeV}$ and $ \eta < 2.4$	All