

Observable	Shape analysis	Cut-and-count analysis	Target background
Leading (subleading) jet		$p_T > 80$ (40) GeV, $ \eta < 4.7$	All
p_T^{miss}		> 250 GeV	QCD multijet, $t\bar{t}$, γ +jets, V+jets
$\Delta\phi(\vec{p}_T^{\text{miss}}, \vec{p}_T^{\text{jet}})$		> 0.5 rad	QCD multijet, γ +jets
Muons (electrons)		$N_{\mu,e} = 0$ with $p_T > 10$ GeV, $ \eta < 2.4$ (2.5)	$W(\ell\nu)$ +jets
τ_h candidates		$N_{\tau_h} = 0$ with $p_T > 18$ GeV, $ \eta < 2.3$	$W(\ell\nu)$ +jets
Photons		$N_\gamma = 0$ with $p_T > 15$ GeV, $ \eta < 2.5$	γ +jets, $V\gamma$
b quark jet		$N_{\text{jet}} = 0$ with $p_T > 20$ GeV, CSVv2 > 0.848	$t\bar{t}$, single top quark
$\eta_{j1} \eta_{j2}$		< 0	$Z(\nu\bar{\nu})$ +jets, $W(\ell\nu)$ +jets
$ \Delta\phi_{jj} $		< 1.5 rad	$Z(\nu\bar{\nu})$ +jets, $W(\ell\nu)$ +jets
$ \Delta\eta_{jj} $	> 1	> 4	$Z(\nu\bar{\nu})$ +jets, $W(\ell\nu)$ +jets
m_{jj}	> 200 GeV	> 1.3 TeV	$Z(\nu\bar{\nu})$ +jets, $W(\ell\nu)$ +jets