

Strong on-Z Signal Regions

Region	N_{jets}	$N_{\text{b-jets}}$	H_{T}	$M_{\text{T2}}(\ell\ell)$	$E_{\text{T}}^{\text{miss}}$ binning [GeV]
SRA b-veto	2-3	= 0	> 500 GeV	> 80 GeV	[100,150,250, ∞]
SRB b-veto	4-5	= 0	> 500 GeV	> 80 GeV	[100,150,250, ∞]
SRC b-veto	≥ 6	= 0	-	> 80 GeV	[100,150, ∞]
SRA b-tag	2-3	≥ 1	> 200 GeV	> 100 GeV	[100,150,250, ∞]
SRB b-tag	4-5	≥ 1	> 200 GeV	> 100 GeV	[100,150,250, ∞]
SRC b-tag	≥ 6	≥ 1	-	> 100 GeV	[100,150, ∞]

Electroweak on-Z Signal Regions

Region	N_{jets}	$N_{\text{b-jets}}$	dijet mass	M_{T2}	$E_{\text{T}}^{\text{miss}}$ binning [GeV]
VZ	≥ 2	= 0	$m_{\text{jj}} < 110$ GeV	$M_{\text{T2}}(\ell\ell) > 80$ GeV	[100,150,250,350, ∞]
HZ	≥ 2	= 2	$m_{\text{bb}} < 150$ GeV	$M_{\text{T2}}(\ell b\ell b) > 200$ GeV	[100,150,250, ∞]

Edge Signal Regions

Region	N_{jets}	$E_{\text{T}}^{\text{miss}}$	$M_{\text{T2}}(\ell\ell)$	$t\bar{t}$ likelihood	$m_{\ell\ell}$ binning [GeV]
Edge Fit	≥ 2	> 150 GeV	> 80 GeV	-	> 20
$t\bar{t}$ like	≥ 2	> 150 GeV	> 80 GeV	< 21	[20,60,86],[96,150,200,300,400, ∞]
non- $t\bar{t}$ like	≥ 2	> 150 GeV	> 80 GeV	> 21	[20,60,86],[96,150,200,300,400, ∞]