Variable	Analysis channel		
	$\tau_{\text{had}}\tau_{\text{had}}$	$\tau_{\text{lep}}\tau_{\text{had}}$ SLT	$\tau_{\text{lep}}\tau_{\text{had}}$ LTT
$m_{\tau\tau}^{\text{MMC}}$	✓	✓	✓
m_{bb}	✓	✓	✓
m_{HH}	✓	✓	✓
$\Delta R(\tau, \tau)$	✓	✓	✓
$\Delta R(b, b)$	✓	✓	
$\Delta p_{\text{T}}(\ell, \tau_{\text{had-vis}})$		✓	✓
Sub-leading b-jet p_{T}		✓	
m_{T}^{W}		✓	
$p_{\text{T}}^{\text{miss}}$		✓	
$p_{\text{T}}^{\text{miss}}$ ϕ centrality		✓	
$\Delta\phi(\ell\tau_{\text{had-vis}}, bb)$		✓	
$\Delta\phi(\ell, \boldsymbol{p}_{\text{T}}^{\text{miss}})$			✓
$\Delta\phi(\boldsymbol{p}_{\tau\tau}^{\text{MMC}}, \boldsymbol{p}_{\text{T}}^{\text{miss}})$			✓
s_{T}			✓