	Analysis channel		
Variable	$ au_{ m had} au_{ m had}$	$ au_{ m lep} au_{ m had}$ SLT	$ au_{ m lep} au_{ m had}$ LTT
$m_{ au au}^{ ext{MMC}}$	✓	√	√
m_{bb}	\checkmark	✓	\checkmark
m_{HH}	\checkmark	✓	✓
$\Delta R(au, au)$	\checkmark	\checkmark	\checkmark
$\Delta R(b,b)$	\checkmark	\checkmark	
$\Delta p_{\mathrm{T}}(\ell, \tau_{\mathrm{had ext{-}vis}})$		\checkmark	\checkmark
Sub-leading b -jet p_T		\checkmark	
m_{T}^{W}		\checkmark	
$p_{ m T}^{ m miss}$		\checkmark	
$p_{\mathrm{T}}^{\mathrm{miss}} \phi$ centrality		\checkmark	
$\Delta\phi(\ell au_{ m had ext{-}vis},bb)$		\checkmark	
$\Delta\phi(\ell,m{p}_{ m T}^{ m miss})$			✓
$\Delta\phi(m{p}_{ au au}^{ ext{MMC}},m{p}_{ ext{T}}^{ ext{miss}})$			✓
$s_{ m T}$			\checkmark