Variable for categorization	$\mathrm{BDT_{Cat.}}$	N_b, $D_{\mathrm{b\bar{b}}}$	r_{HH}, δ_{HH}, m_{V}	Year split	N(regions)	Observable
Signal regions						
MET small-radius	κ_λ, $\kappa_{2\mathrm{V}}$	$N_\mathrm{b} \geq 3$	SR+CR	Per year	6	$\mathrm{BDT_{SvB}}$
MET large-radius	$\kappa_{2\mathrm{V}}$	HP, LP	SR+CR	Per year	6	$\mathrm{BDT_{SvB}}$
1L small-radius	κ_λ, $\kappa_{2\mathrm{V}}$	$N_\mathrm{b} \geq 3$	SR+CR	Per year	6	$\mathrm{BDT_{SvB}}$
1L large-radius	$\kappa_{2\mathrm{V}}$	HP, LP	SR+CR	Per year	6	$\mathrm{BDT_{SvB}}$
2L	κ_λ, $\kappa_{2\mathrm{V}}$	$N_\mathrm{b} = 3$ or 4	SR,CR	Combined	8	$\mathrm{BDT_{SvB}}$
FH	κ_λ, $\kappa_{2\mathrm{V}}$	$N_\mathrm{b} = 4$	SR	Per year	6	$\mathrm{NN_{SvB}}$
Control regions						
MET small-radius	—	$N_\mathrm{b} \geq 3$	SB	Per year	3	$p_\mathrm{T}(\mathrm{V})$
MET large-radius	—	HP, LP	SB	Per year	6	$m_{\mathrm{H_2}}$
1L small-radius	—	$N_\mathrm{b} \geq 3$	SB	Per year	3	$p_\mathrm{T}(\mathrm{V})$
1L large-radius	—	HP, LP	SB	Per year	6	$m_{\mathrm{H_2}}$
2L (DY)	—	$N_\mathrm{b} = 3$ or 4	DY CR	Combined	2	$p_\mathrm{T}(\mathrm{V})$
2L (TT)	—	$N_\mathrm{b} \geq 3$	$\mathrm{t\bar{t}}$ CR	Combined	1	$p_\mathrm{T}(\mathrm{V})$