

Category name	Lepton, jet, and $p_{\text{T}}^{\text{miss}}$ requirements				Optimization selections		
				$p_{\text{T}}^{\text{miss}}$ [GeV]	[GeV]	/	
ggF	= 2	≤ 1		< 90	Binned by ggF BDT (4 bins)		
VBF	= 2	≥ 2	= 0		Binned by VBF BDT (4 bins)		
	= 3	≥ 3	≥ 1				< 0.1
	≥ 4	≥ 1	≥ 1				
	≥ 3		= 0	> 30		> 0.3	< 0.15
	= 2	≥ 5	≥ 1		[85,95]		
	= 2	≤ 1		> 90		> 0.4	
Untagged	Events passing baseline selection not in any other category						