

	SR1						SR2	CR
	Z-HP	Z-LP	ggF-HP	ggF-LP	VBF	HF		
$p_T(\mu_1)$					$>18 \text{ GeV}$			
$p_T(\mu_2)$					$>5 \text{ GeV}$			
$p_T(\gamma)$					$>32 \text{ GeV}$			
$ \eta(\mu_{1,2}) $					<2.4			
$ \eta^\gamma $			<2.5 , excluding ECAL transition region					
$m_{\mu\mu}$ (GeV)			[3.0, 3.2]				[3.6, 3.75]	[2.0, 3.0], [3.2, 3.6], [3.75, 8.0]
$ \cos \theta^* $	—	—	>0.5	<0.5	—	—	—	—
LD	>0.5	<0.5	—	—	—	—	—	—
b jets	—	—	0	0	0	≥ 1	—	—
VBF candidates ($m_{jj} > 350 \text{ GeV}$)	—	—	0	0	≥ 1	0	—	—