

Observable	VBF-SB	VBF-SR
Number of loose (medium) b-tagged jets		≤ 1 (0)
Number of selected muons		$= 2$
Number of selected electrons		$= 0$
Jet multiplicity ($p_T > 25$ GeV, $ \eta < 4.7$)		≥ 2
Leading jet p_T		≥ 35 GeV
Dijet mass (m_{jj})		≥ 400 GeV
Pseudorapidity separation ($ \Delta\eta_{jj} $)		≥ 2.5
Dimuon invariant mass	$110 < m_{\mu\mu} < 115$ GeV or $135 < m_{\mu\mu} < 150$ GeV	$115 < m_{\mu\mu} < 135$ GeV