Selection - Background Estimation for Wjets and Zjets (2017)

Central	**Trigger**		HLT_IsoMu27
	Muon Selection		pT(μ) > 30 GeV |η(μ)| < 2.1 Tight ID Isolation: I < 0.15
		W+jets	N(μ) = 1 50 GeV < mT (μ, MET) < 100 GeV
		Z+jets	N(μ) ≥ 2 60 GeV < M(μ, μ) < 120 GeV Opposite Charge
	***MET Criterion**		*MET > 250 GeV

*Recalculated *MET = vector sum of the default MET and muon(s)*

Dijet pair should be the one with the largest invariant mass

CR1) CENTRAL: Central Selections + Vetoes

CR2) CENTRAL + VBF: Central Selections + VBF + Vetoes

VBF	**Jets Definition**	pT(j) > 60 GeV |η(j)| < 2.5 Tight ID N(j) ≥ 2 ΔR(j, μ) > 0.4
	VBF Criteria (DiJet Selection)	$\eta(j_1)\eta(j_2) < 0$ $\|\Delta\eta(j_1,j_2)\| > 3.8$ $M(j_1, j_2) > 1$ TeV

Veto	**Electron Veto**	pT(e) > 10 GeV |η(e)| < 2.5 Medium ID
	Tau Veto	$pT(\tau_h) > 20$ GeV $\|\eta(\tau_h)\| < 2.5$ 1 prong $\Delta R(\tau_h$, μ, or e) > 0.3 Tau_idDeepTau2017v2p1
	B-tagged Jets Veto	pT(b) > 30 GeV |η(b)| < 2.4 Deep CSV Medium WP

Btag SF applied, No BJet overlap removal