CMS Simulation $35.9 \text{ fb}^{-1} (13 \text{ TeV})$ SVJ_3000_50_0.3_peak (Pythia) SVJ_3000_20_0.5_peak (MadGraph) 10^{3} SVJ_3000_20_0.5_peak (Pythia) SVJ_4000_20_0.3_peak (MadGraph) SVJ_3000_50_0.3_peak (MadGraph) SVJ_4000_20_0.3_peak (Pythia) 10^{2} Events / 0.20 10¹ 10⁰ 10^{-1} η^{j_2}