CMS Simulation $35.9 \text{ fb}^{-1} (13 \text{ TeV})$ SVJ 3000 20 0.5 peak (MadGraph) SVJ 3000 50 0.3 peak (Pythia) 10³ SVJ 3000 20 0.5 peak (Pythia) SVJ 4000 20 0.3 peak (MadGraph) SVI 3000 50 0.3 peak (MadGraph) SVI 4000 20 0.3 peak (Pythia) Number of Events / 40.00 10² 10^{1} 10⁰ 10^{-1} 250 500 750 1000 1250 1500 1750 2000 $p_{\mathsf{T}}^{j_1}$ [GeV]