PU Reconstructed vs. True Z-Position position difference **CMS Simulation** $\sqrt{s} = 14 \text{ TeV}$ 35000 TTBar1_15_overlap_30_128.root 30000 TTBar1_15_overlap_30_2048.root 25000 20000 15000 10000 5000 -0.15 -0.050.05 0.15