SE Reconstructed vs. Simulated Z-Position Position Difference **CMS Simulation** $\sqrt{s} = 14 \text{ TeV}$ 1800 Tbar overlap 40 blocksize 512.root 1600 TTbar_overlap_50_blocksize_512.root 1400 1200 1000 800 600 400 200 -0.15-0.1-0.050.05 0.15 0.1 Distance between Recon. and Sim. Vertex Z-Position [cm]