SE Reconstructed vs. Simulated Z-Position Position Difference **CMS Simulation**  $\sqrt{s} = 14 \text{ TeV}$ 1800 1600 TTbar no blocks 1400 1200 1000 800 600 400 200 -0.15-0.1-0.050.05 0.15 Distance between Recon. and Sim. Vertex Z-Position [cm]