2 Qubit Gate depth method 1750 tableau (proposed) **PCoast** Transpile (Qiskit impl.) 1500 Bravyi et al. (Qiskit impl.) Van den Berg (Stim impl.) 2 Qubit Gate Depth 1250Duncan et al (pyzx) Maslov et al 1000 750 500 2500 . 100 200 300 400 500 600 700 Number of input Gates