ADAPT QAOA 2L **QAOA** 0.6 Mean(Grad) 2.0 Mean(Grad) 12 -12 0.5 1.5 0.4 1.0 0.3 0.5 0.2 0.1 0.0 75 100 0 25 50 0 25 50 75 100 Layers Layers **ADAPT VQE 2L** VQE 0.25 0.62 Mean(Grad) Mean(Grad) -12 -12 0.20 0.60 0.15 0.58 0.10 0.56 0.05 0.00 0.54 2 3 5 6 300 0 100 200 400 4 Layers Layers