## ADAPT QAOA 2L **QAOA** 20 1.0 8 8 Var(Grad) Var(Grad) 0.8 15 0.6 10 0.4 5 0.2 0 25 75 100 25 50 0 50 0 75 100 Layers Layers VQE **ADAPT VQE 2L** 0.10 8 8 Var(Grad) Var(Grad) 0.3 0.09 0.2 0.08 0.07 0.1 0.06 0.0 2 3 100 200 300 400 1 0 4 Layers Layers