## ADAPT QAOA 2L **QAOA** 1.8 1.6 Mean(Grad) 12.5 Mean(Grad) 14 14 10.0 1.4 1.2 7.5 1.0 0.8 5.0 0.6 0.4 2.5 0.0 5 2 8 15 20 25 6 10 10 4 Layers Layers **ADAPT VQE 2L** VQE Mean(Grad) Mean(Grad) 2.5 14 -14 3 2.0 2 1.5 1.0 0 2 8 10 100 200 300 400 6 0 4 Layers Layers