ADAPT QAOA 2L **QAOA** Mean(Grad) Mean(Grad) 10.0 12 -12 1.0 7.5 8.0 5.0 0.6 2.5 0.4 0.0 5 2 10 15 20 6 8 10 4 Layers Layers **ADAPT VQE 2L** VQE 2.25 2.5 Mean(Grad) Mean(Grad) 2.00 -12 -12 2.0 1.75 1.50 1.5 1.25 1.0 1.00 0.5 0.75 0.0 2 8 200 300 400 6 0 100 4 Layers Layers