## ADAPT QAOA 2L **QAOA** 1.4 Mean(Grad) Mean(Grad) 16 16 15 1.2 1.0 10 8.0 0.6 5 0.4 0.2 0 5 2 8 15 20 25 6 10 10 4 Layers Layers **ADAPT VQE 2L** VQE 2.5 2.00 Mean(Grad) Mean(Grad) 16 -16 2.0 1.75 1.5 1.50 1.0 1.25 0.5 1.00 0.0 2 8 100 200 300 400 6 0 4 Layers Layers