ADAPT QAOA 2L **QAOA** 25 1.5 Mean(Grad) Mean(Grad) 14 14 20 1.2 15 0.9 10 0.6 5 0.3 0 5 25 2 10 15 20 6 8 10 4 Layers Layers VQE **ADAPT VQE 2L** 2.5 2.5 Mean(Grad) Mean(Grad) -14 14 2.0 2.0 1.5 1.5 1.0 1.0 0.5 0.5 0.0 2 8 0 100 200 300 400 6 4

Layers

Layers