ADAPT QAOA 2L QAOA Mean(Grad) 1.5 4 Mean(Grad) 6 6 1.2 0.9 2 0.6 1 0.3 0 3 15 2 8 6 9 12 6 10 4 Layers Layers VQE **ADAPT VQE 2L** 3 Mean(Grad) Mean(Grad) 1.2 6 6 1.0 2 0.8 0.6 0.4 0 2 0 100 200 300 400 1 3 4 Layers Layers