ADAPT QAOA 2L **QAOA** 5 Mean(Grad) 2.5 Mean(Grad) 8 8 4 2.0 3 1.5 2 1.0 0 80 0 20 40 60 0 20 40 60 80 Layers Layers VQE ADAPT VQE 2L 1.2 3 Mean(Grad) Mean(Grad) 8 8 1.1 2 1.0 0.9 8.0 0.7 0 2 0 100 200 300 400 1 3 4 Layers Layers