ADAPT QAOA 2L QAOA 1.00 0.6 Mean(Grad) Mean(Grad) 6 6 0.75 0.5 0.50 0.4 0.25 0.3 0.00 20 30 40 10 20 30 0 10 0 Layers Layers ADAPT VQE 2L VQE 0.225 Mean(Grad) Mean(Grad) 0.62 6 6 0.200 0.60 0.175 0.150 0.58 0.125 0.56 0.100 0.54 0.075 2.0 2.5 3.0 1.0 1.5 0 100 200 300 400 Layers Layers