ADAPT QAOA 2L **QAOA** 0.6 Mean(Grad) 1.5 Mean(Grad) 12 -12 0.5 1.0 0.4 0.3 0.5 0.2 0.1 0.0 0 25 50 75 100 2.5 5.0 7.5 10.0 12.5 Layers Layers **ADAPT VQE 2L** VQE 0.625 0.15 Mean(Grad) Mean(Grad) -12 -12 0.600 0.575 0.10 0.550 0.525 0.05 0.500 0.00 0.475 2 8 6 0 100 200 300 400 4 Layers Layers