ADAPT QAOA 2L **QAOA** 2.0 0.6 Mean(Grad) Mean(Grad) 12 -12 0.5 1.5 0.4 1.0 0.3 0.5 0.2 0.1 0.0 75 100 0 25 50 0 25 50 75 100 Layers Layers **ADAPT VQE 2L** VQE 0.650 0.25 Mean(Grad) Mean(Grad) -12 -12 0.625 0.20 0.600 0.15 0.575 0.10 0.550 0.05 0.525 0.00 2 5 6 3 0 100 200 300 400 1 4 Layers Layers