## ADAPT QAOA 2L **QAOA** 0.6 Mean(Grad) Mean(Grad) 8 8 0.8 0.5 0.6 0.4 0.4 0.3 0.2 0.2 0.0 50 25 75 100 0 25 50 75 100 0 Layers Layers **ADAPT VQE 2L** VQE 0.20 Mean(Grad) Mean(Grad) 0.63 8 8 0.15 0.60 0.57 0.10 0.54 0.05 0.51 0.00 2 3 5 100 200 300 0 400 1 4

Layers

Layers