10^{0.240} Mean(En) Mean(En) 10^{0.21} 10^{0.235} 10^{0.230} 10^{0.18} 5 15 20 3 6 9 12 15 10 Layers Layers ADAPT VQE 2L VQE 10^{0.24} 10^{0.240} Mean(En) Mean(En) 4 10^{0.235} 10^{0.23} 10^{0.230} 3.0 1.0 1.5 2.0 2.5 100 200 300 400 0 Layers Layers

QAOA

ADAPT QAOA 2L