## ADAPT QAOA 2L **QAOA** 10<sup>-0.3</sup> 10<sup>-1.00</sup> Mean(Grad) Mean(Grad) 12 12 10-0.6 10<sup>-1.25</sup> 0 3 5 5 1 2 4 0 1 2 3 4 Radius Radius **ADAPT VQE 2L** VQE 10<sup>0</sup> Mean(Grad) Mean(Grad) $10^{-1}$ 12 12 10<sup>-2</sup> 10<sup>-5</sup> 10<sup>-3</sup> 0 2 3 5 3 5 1 4 0 1 2 4 Radius Radius