## variational states Unmitigated $(\Lambda_Z)$ Mitigated $(\Lambda_Z)$ Mitigated ( $\Lambda_{\rm dep}$ ) Unmitigated $(\Lambda_{dep})$ Unmitigated $(\Lambda_{amp})$ Mitigated $(\Lambda_{amp})$ mean dist. to ideal approx. ratio 0.00 0.00 0.020.040.06 0.08 0.10 $\overset{\text{2d }}{\underset{10^4}{\text{mean}}} 10^5$

0.06

0.08

0.10

 $10^{3}$ 

0.00

0.02

0.04

error probability  $\epsilon$