Error vs Circuit depth error of QCELS p\_0=0.6 10<sup>0</sup> error of QPE p\_0=0.6 error of QCELS p\_0=0.8 error of QPE p\_0=0.8 0.06/T scaling  $10^{-1}$  $6\pi/T$  scaling error(ε) 10<sup>-3</sup>  $10^{-4}$ 101 10<sup>3</sup> 10<sup>2</sup>