

Initial State: Ψ_o \hat{x}

$\mathcal{O}(T_b)$ **HHL**: $\mathcal{O}(\kappa(T_b + T_s))$ **Quantum Simulation** **Read Out** \hat{x}

End-to-End : $\mathcal{O}(T_r(\kappa(T_b + T_s)))$