

 $ho_{
m in}$ 





PROBE STATE PREPARATION

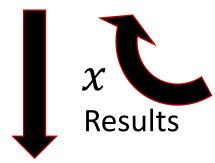
 $\rho_0(\theta)$ 



LEARNING and FEEDBACK ACTION

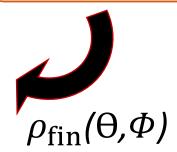
 $U_{\Theta}(x)$ 

INTERACTION-PARAMETER ENCODING  $U_{\sigma}$ 



MEASUREMENT

 $\Pi_{\chi}$ 



**END** 

Estimator  $\Phi(x)$