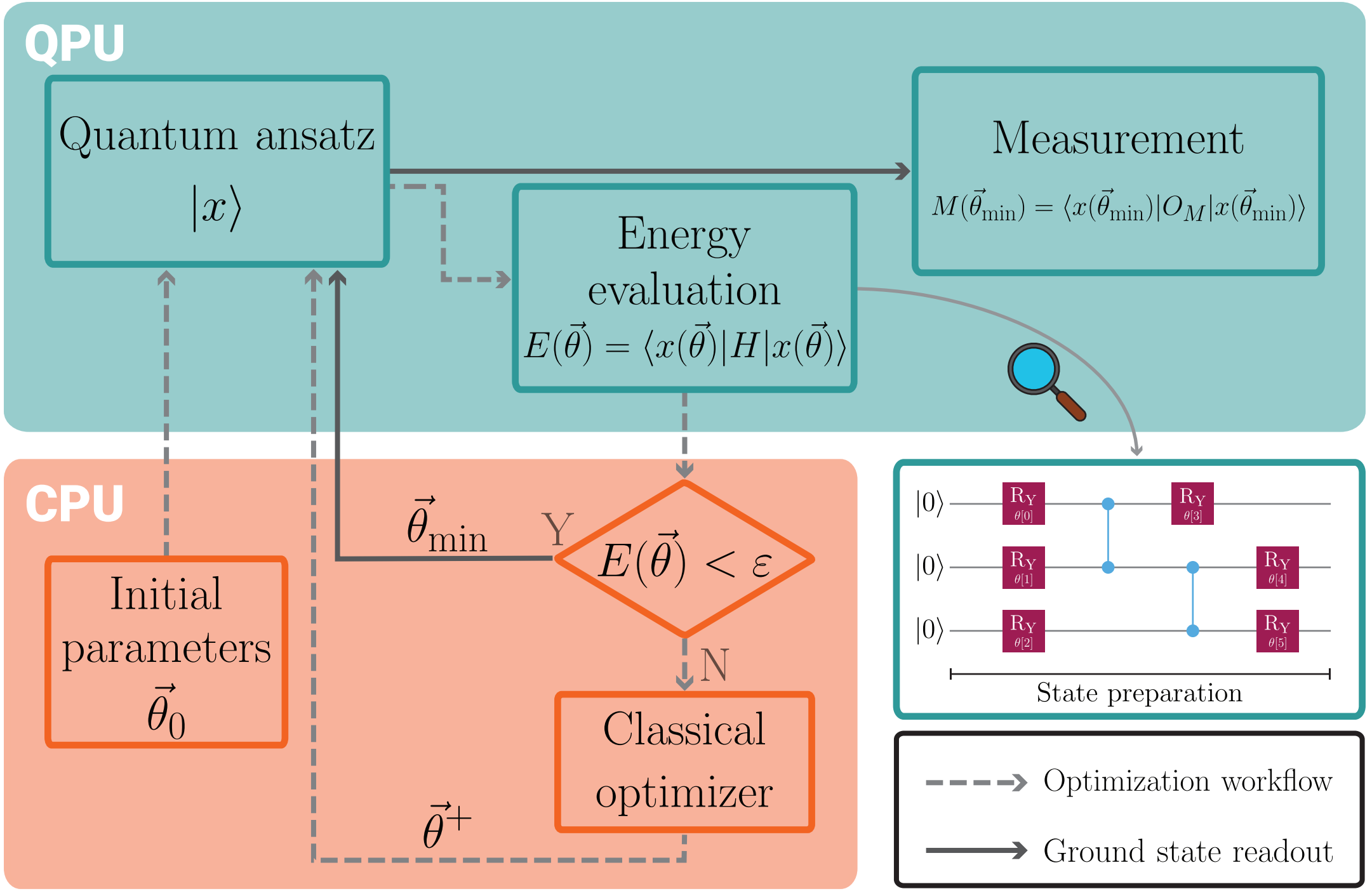
QPU
Quantum ansatz
$|x\rangle$
Measurement
$M(\vec{\theta}_{\min}) = \langle x(\vec{\theta}_{\min})|O_M|x(\vec{\theta}_{\min})\rangle$
Energy evaluation
$E(\vec{\theta}) = \langle x(\vec{\theta})|H|x(\vec{\theta})\rangle$
CPU
Initial parameters
$\vec{\theta}_0$
$\vec{\theta}_{\min}$
Y
$E(\vec{\theta}) < \varepsilon$
N
Classical optimizer
$\vec{\theta}^+$
$|0\rangle$
$|0\rangle$
$|0\rangle$
R_Y $\theta[0]$
R_Y $\theta[1]$
R_Y $\theta[2]$
R_Y $\theta[3]$
R_Y $\theta[4]$
R_Y $\theta[5]$
State preparation
Optimization workflow
Ground state readout