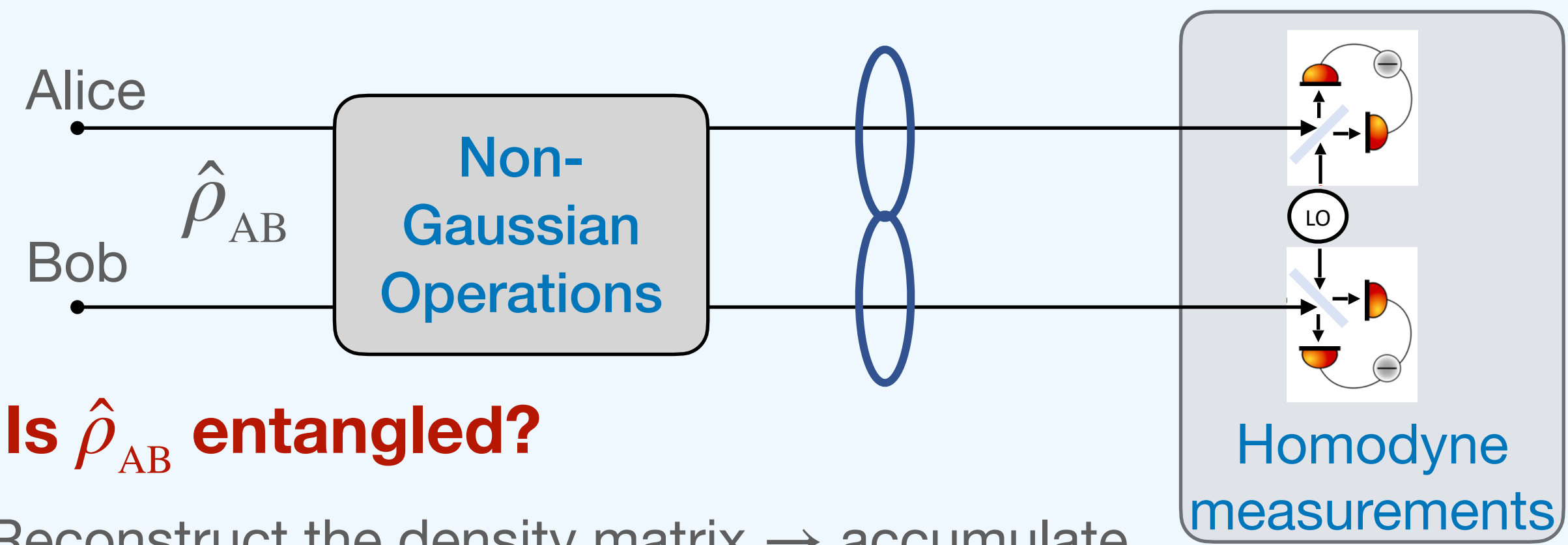
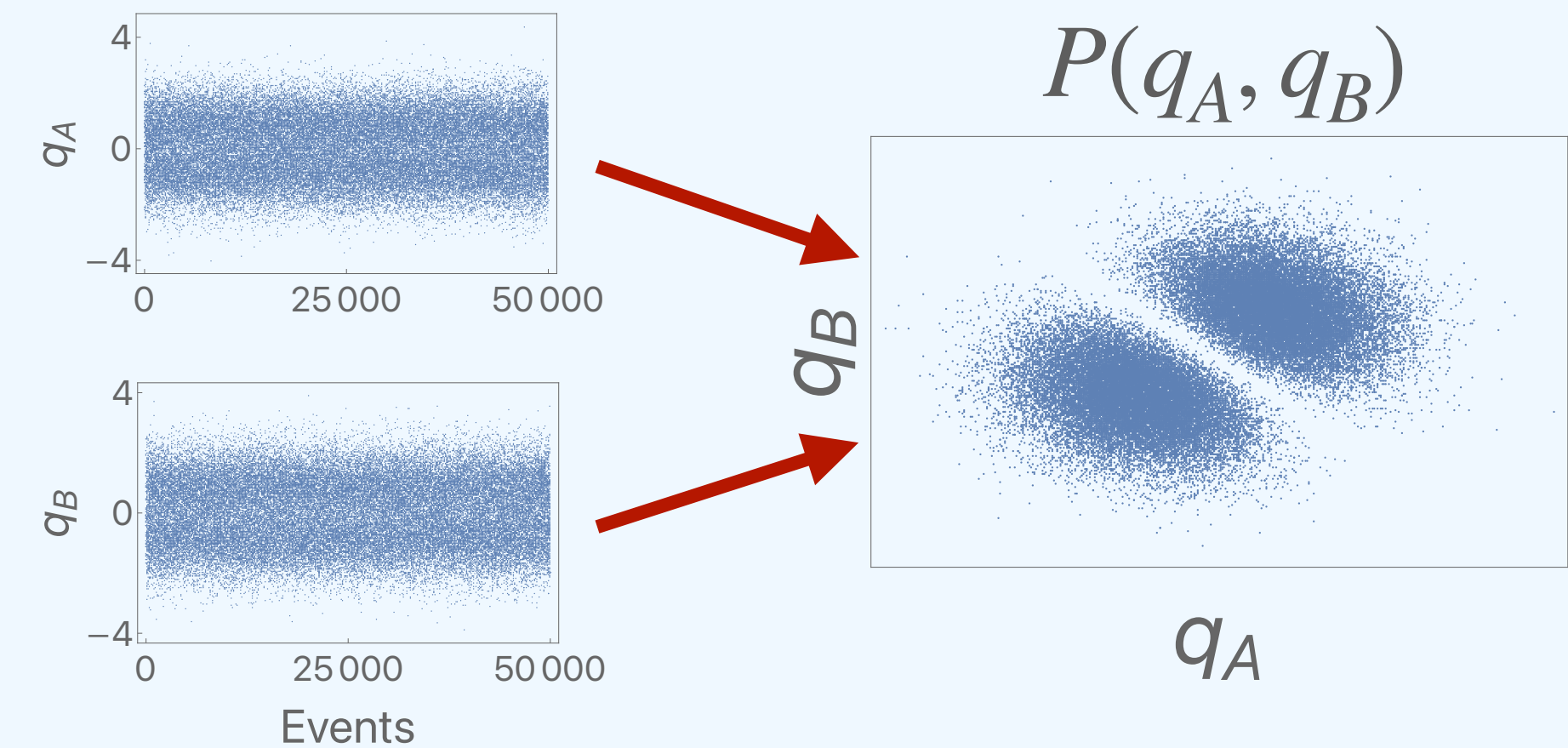


Problem



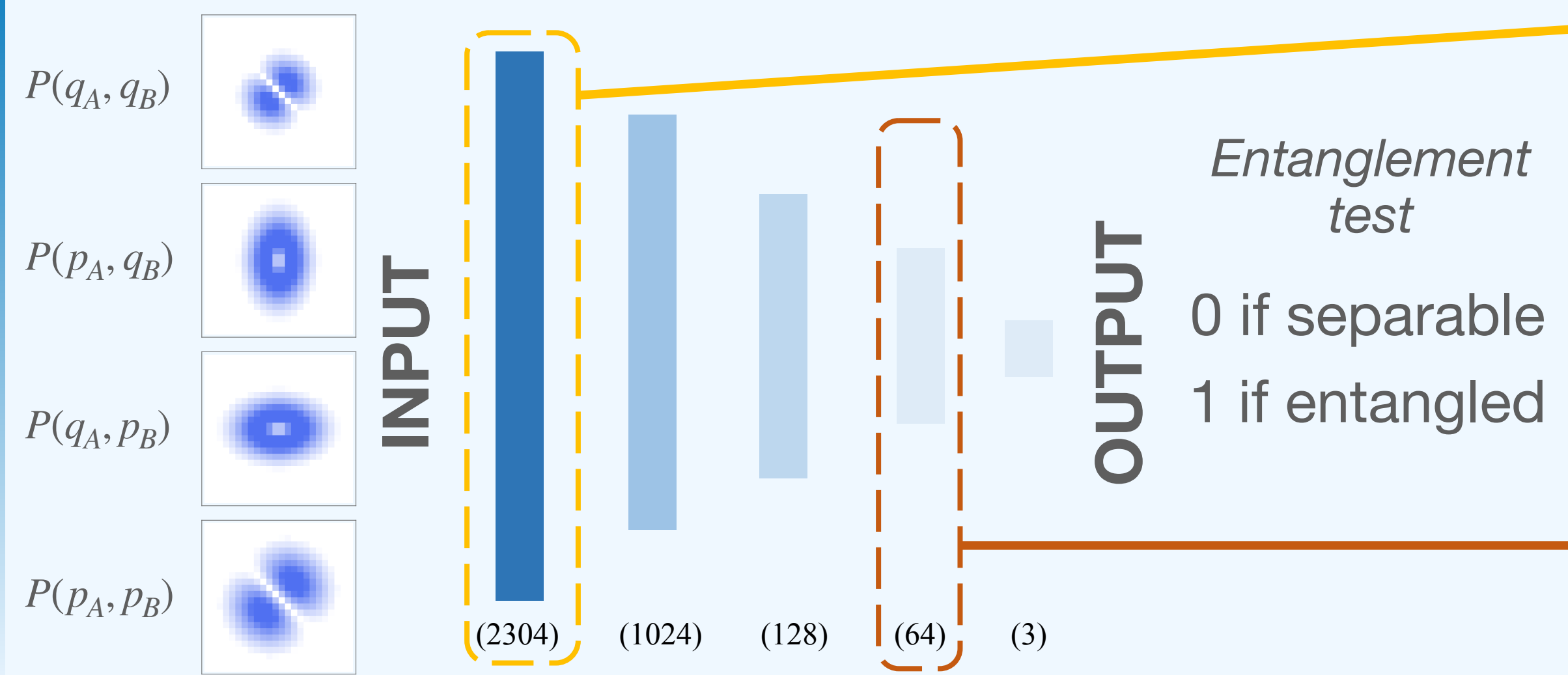
We can recover the statistics of \hat{q} and \hat{p}



Is $\hat{\rho}_{AB}$ entangled?

Reconstruct the density matrix \rightarrow accumulate many data and use a *maximum likelihood algorithm*

Neural network



Results

