**Computation Time vs Measurements with Complexity References -●-** Multi-Layer Perceptron Convolutional Neural Network Transformer Network  $10^{4}$ Maximum Likelihood **Bayesian Estimation** O(N) scaling  $\cdots$  O(N<sup>2</sup>) scaling Computation Time (seconds)  $10^{3}$  $O(N^2)$  $10^2$ O(N)  $10^{1}$ 100 10 **Number of Measurements (N)**