Encoding Protocol

A

B

$2^{(3^n-1)/2}$ equivalent representations

$\mathcal{O}_n |\psi\rangle = \pm |\psi\rangle$

Parity measurement	Classical bit
	0
	1

↱ and ↰ denote sets of **Commuting operators**

C

Physically allowed eigenvalues

← Best Match

← Worst Match

D

$|\varphi\rangle$