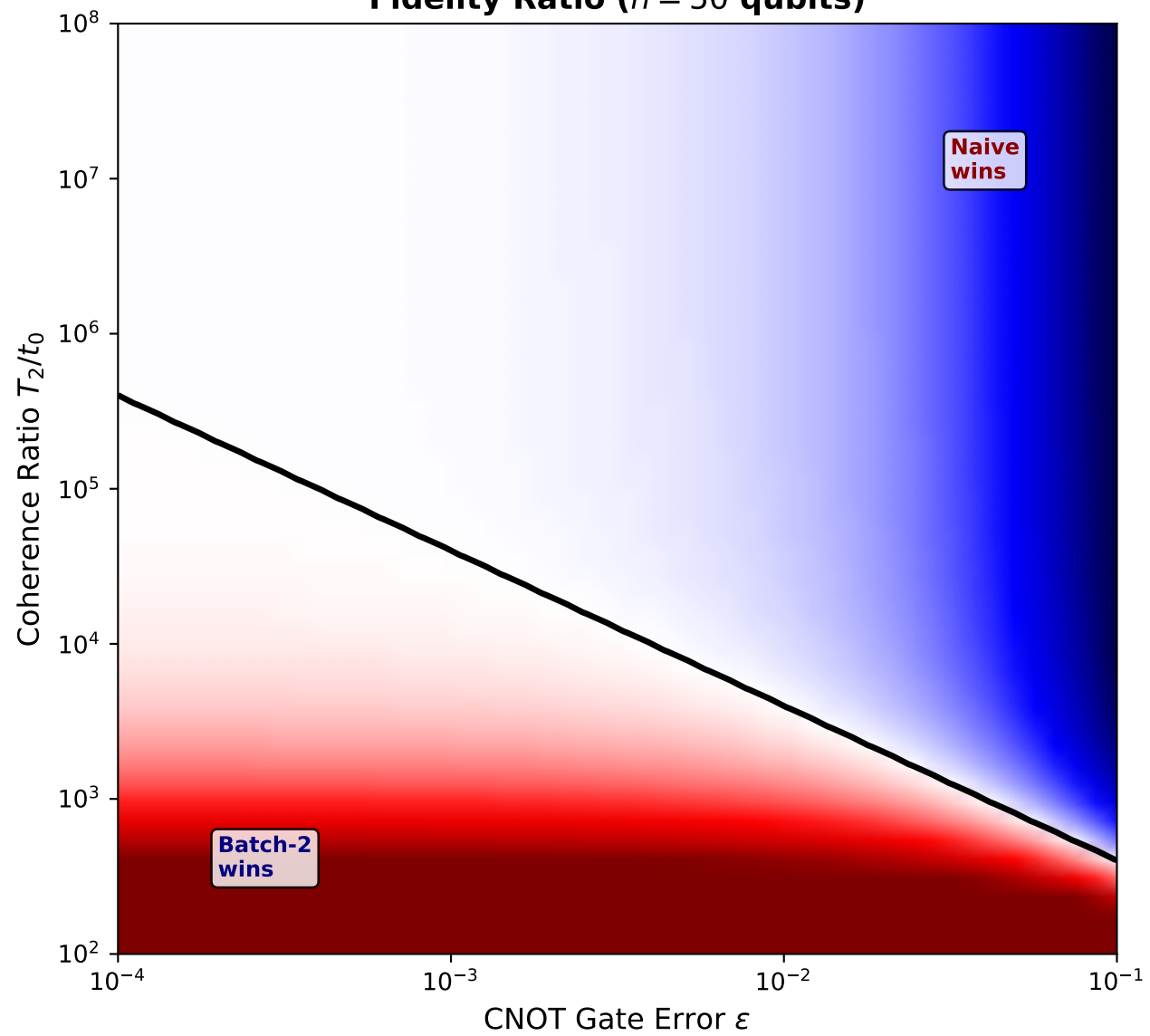
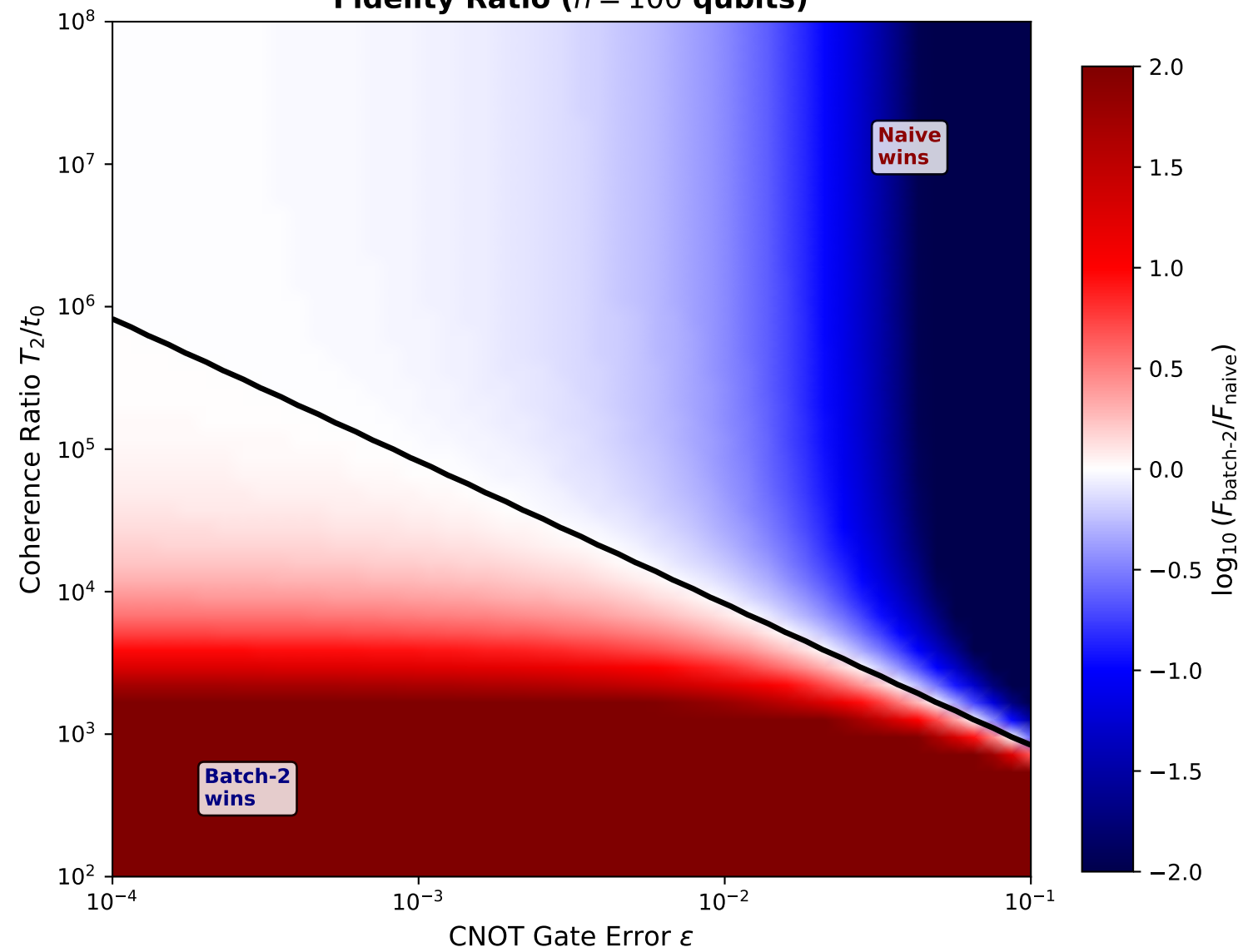


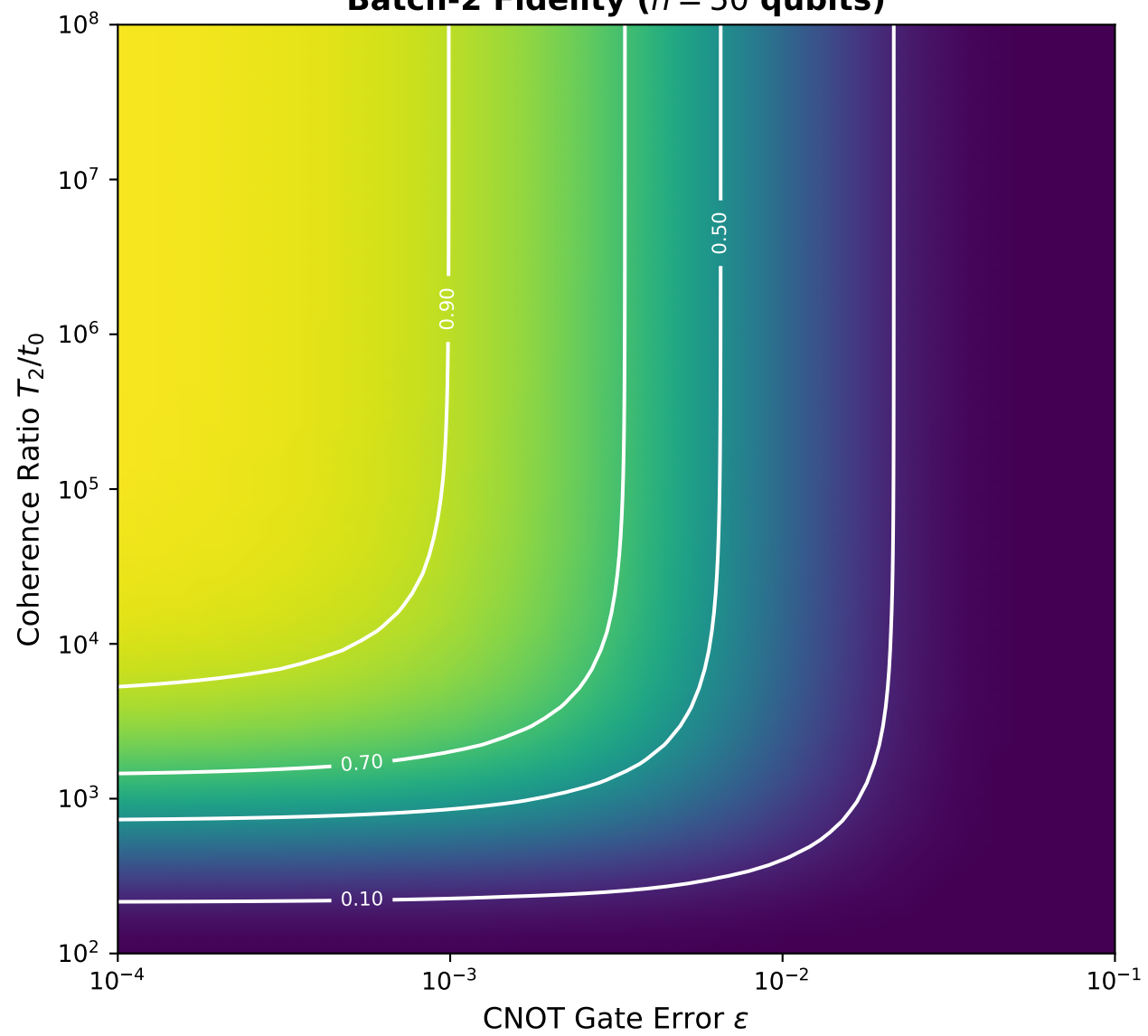
**Fidelity Ratio ( $n = 50$  qubits)**



**Fidelity Ratio ( $n = 100$  qubits)**



**Batch-2 Fidelity ( $n = 50$  qubits)**



**Batch-2 Fidelity ( $n = 100$  qubits)**

