

Quantum Entanglement Source



$$|\Phi^\pm\rangle = \frac{1}{\sqrt{2}}(|00\rangle \pm |11\rangle)$$

$$|\Phi^\pm\rangle_A$$

$$|\Phi^\pm\rangle_B$$

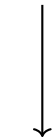
Quantum

Communication Channel

Alice

Bob

← Quantum Communication →



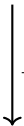
M_A



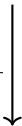
M_B

Alice's Measurements

Bob's Measurements



Alice's Outcomes



Bob's Outcomes

Authenticated Classical
Communication Channel

← Classical Communication →