

Quantum Teleportation at Fermilab

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The Fermilab Quantum NETwork (FQNET) aims to produce a fully functional quantum network based initially on optical fibers with the capability to distribute time-bin photonic quantum states (qubits) across various distances by employing an intrinsic property of a multi-qubit system: entanglement. The resulting quantum network system will serve fundamental reserach and future R&D quantum communication technologies and protocols. Here we present the status of the system.

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