

Scheme for Realizing Probabilistic Teleportation of Bipartite Atomic State via Cavity QED

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Abstract: We present a physical scheme for realizing probabilistic teleportation of bipartite atomic states via cavity QED. This scheme requires only a nonmaximally entangled pair used as quantum channel, so we reduce the requirement of entanglement.

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Key words: bipartite atomic state, teleportation, nonmaximally entangled state, cavity QED

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