

Teleportation of a Superposition of Three Orthogonal States of an Atom via Photon Interference

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Abstract: We propose a scheme to teleport a superposition of three states of an atom trapped in a cavity to a second atom trapped in a remote cavity. The scheme is based on the detection of photons leaking from the cavities after the atom-cavity interaction.

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Key words: teleportation, superposition, photon interference

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