

Production of Entanglement of Multiple Three-Level Atoms with a Two-Mode Cavity

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(Received: 2005-7-22; Revised:)

Abstract: A scheme is proposed for generating maximally entangled states for two or more three-level atoms. In the scheme the atoms are sent through a two-mode cavity one by one and interact with the two-cavity modes sequentially. The required experimental techniques are within the scope of what can be obtained in the microwave cavity QED setup.

PACS: 42.50.Dv

Key words: entanglement, three-level atoms, two-mode cavity

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