

Enhancement of Squeezing in Two-Photon Jaynes-Cummings Model with Atomic Measurement

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(Received: 2005-5-23; Revised: 2005-7-8)

Abstract: We investigate the squeezing properties of the cavity field in the degenerate two-photon Jaynes-Cummings model. Compared with the one-photon Jaynes-Cummings model, the squeezing is more pronounced in the case of two-photon Jaynes-Cummings model under certain conditions.

PACS: 42.50.Dv

Key words: squeezed state, two-photon transitions, selective atomic measurement

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