

21 世紀 COE セミナー

日時:2007 年 4 月 3 日(火) 15:00 ~

場所:理学研究科H棟 6 階中セミナー室 (H601)

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題目:Microscopic derivation of the Jaynes-Cummings model with cavity losses

概要:

A microscopic derivation of the master equation for the Jaynes-Cummings model with cavity losses is provided.

Comparison with the phenomenological master equation used in the literature is given. Some examples wherein the phenomenological and the microscopic master equations give rise to different predictions are discussed.

[Ref: M. Scala et al, Phys. Rev. A 75, 013811 (2007)]

(担当:小川研)