

Generation of Entangled States of Multiple Superconducting Quantum Interference Devices in Cavity

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(Received: 2005-8-24; Revised:)

Abstract: We propose a scheme for generating the maximally entangled states of many superconducting quantum interference devices (SQUIDs) by using a quantized cavity field and classical microwave pulses in cavity. In the scheme, the maximally entangled states can be generated without requiring the measurement and individual addressing of the SQUIDs.

PACS: 42.50.Dv, 85.25.Dq, 03.65.Ud

Key words: entanglement, superconducting, cavity

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