

## Efficient Scheme for Dense Coding in Cavity QED and Ion Trap Systems

ZHENG Shi-Biao

Department of Electronic Science and Applied Physics, Fuzhou University, Fuzhou 350002, China  
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Abstract: We propose a scheme for realizing dense coding in cavity QED. The scheme is based on the resonant interaction of two atoms with a cavity mode. The scheme may be realizable with presently available techniques in the microwave cavity QED setup. The idea can also be generalized to the ion trap system.

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Key words: dense coding, cavity QED, ion trap

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