

Abstract Submitted
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Cavity QED with Quantized Center of Mass Motion¹ FELIPE ANDRADE, PERRY RICE, Miami University — We consider the photon statistics and conditioned field measurements for a driven optical cavity with a two-level atom inside, with a trapping potential for the atom that results in quantized center of mass motion. Previous work has focused on weak driving fields and has been restricted to the Lamb-Dicke regime. We relax those constraints in this work.

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