

Abstract Submitted
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Towards Radiation Pressure Measurement Using the Microresonator Test Mass ROBINJEET SINGH, JONATHAN CRIPE, Louisiana State University, ADAM LIBSON, Massachusetts Institute of Technology, GARRETT COLE, University of Vienna, NERGIS MAVALVALA, Massachusetts Institute of Technology, THOMAS CORBITT, Louisiana State University — We observe the radiation pressure effects of light on the micromechanical resonator. Such measurements serve as initial steps towards testing macroscopic quantum mechanics and hence developing Quantum Non Demolition techniques for future Laser Interferometer Gravitational Observatory.

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