

Joint Quantum Institute Seminar
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Physics 1201

“Quantum Imaging: Enhanced Image Formation
Using Quantum States of Light”

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Image formation making use of quantum states of light allow dramatic new possibilities in the field of image science. In this contribution, we review some of the conceptual possibilities afforded by quantum imaging and describe some recent work that displays some of these features. In addition, we present some new experimental results on the role of coherence and indistinguishability in determining the properties of two-photon interference.

Hosts: Paul Lett/ Luis Orozco