



QUANTUM OPTICS SEMINAR

Title: Generation and storage of non classical light states

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Time: Tuesday, June 13, 2006 at 14:15

Place: 1520-617

Abstract:

I will present on some experiments leading to the generation of non classical light states: first, I will show how squeezed and entangled states can be produced using the non linearity of a cold atom cloud placed inside an optical cavity and, secondly, I will report on the generation of optical Schrodinger kittens with non linear crystals and photon subtraction. I will also discuss the possibility to store and retrieve such states into an atomic quantum memory.

Michael Drewsen