

# Coherence And Statistics Of Photons And Atoms

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Resolving photon number states in a because it is the circuit equivalent of the atom-photon interaction Coherent coupling of a single photon to a

The behavior of an amplifier consisting of  $N$  two-level atoms interacting with an incident optical field through first-order processes is considered. The statistics of

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Optical Coherence and Photon Statistics one-atom photon detector;  $n$ -atom photon detector; correlation functions; diffraction and interference; radiation field;

From Single to Multiple-Photon Decoherence in an Atom Interferometer David A. Kokorowski, studied the loss of spatial coherence of atoms within an

Effects of coherence of a three-level Rydberg atom in  $\Lambda$  configuration on photon statistics in a high  $Q$  cavity

Coherence and Photons Ingolf V Correlation between photons in 2 coherent beams of light . Coherence and Photons Book Title Atoms,

See coherent state and squeezed coherent state for more details. Both (photons and material) statistical treatment of photons and atoms,

Similarly, the average photon number in a coherent state is. The coherence in superfluidity should not be attributed to any subset of helium atoms;

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Quantum networking with photons and trapped atoms Atomic qubits have very long coherence times and are thus photon-number statistics in the photon

we investigate the coherence and statistics of photons by applying the master equation derived in [18]. By going beyond the secular approximation in the atom

sorption and emission of photons by atoms within the cell, nonradiative decay of the excited atoms, We obtain photon statistics and optical coherence de ned

Time development of photon statistics in fluorescence from single atoms: Authors: Hodapp, T. W.; Finn, M. A.; Photon statistics and coherence theory,

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Photon detections as a function of time for a) antibunching (e.g. light emitted from a single atom), b) random (e.g. a coherent state, laser beam), and c) bunching

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Photon Statistics and Coherence focusing on the emission characteristics, photon statistics and typical e ects di erent from atoms

PHOTON STATISTICS IN JAYNES-CUMMINGS MODELS 603 4.1. The atom is PHOTON STATISTICS IN JAYNES-CUMMINGS MODELS coherent state is reproduced. PHOTON

QED in dispersing and absorbing dielectric media. In: Coherence and Statistics of Photons and Atoms, ed by J (2001)

report the measurement of sub-Poisson photon statistics in the microlaser even with the number of intracavity In order to ensure coherent atom-cavity interaction the

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Theory of Coherence and Photon Statistics of Classical and Nonclassical Light on and of individual emissions in photon statistics and coherence of

Photon Statistics and Coherence in Light Emission from a Random Laser Lucia Florescu and Sajeev John and emission of photons by atoms within the cell as well

Pump-coupled micromasers: coherent and incoherent coupling 1. Thus, the average number of atoms in the second cavity during the photon lifetime is given by  $N_{ex}$

we investigate the coherence and statistics of a one-atom laser we investigate the coherence and statistics of photons by applying the master equation

Observation of sub-Poisson photon statistics in the cavity-QED microlaser Wonshik Choi, In order to ensure coherent atom-cavity interaction the