

Coherence And Statistics Of Photons And Atoms

which would affect the emission of the atom and in turn the photon statistics of the cavity field. the atom coupled by a coherent driving field,
Non-classicality of pair sources by auto-correlations/photon statistics Incoherent superposition of coherent trapped atoms/ions/molecules, quantum

When a continuous spectrum of energy is passed through a gas or plasma, some of the photons are absorbed by atoms, "Coherence in Stimulated Emission".

Coherence and Statistics of Photons and Atoms Wiley Series in Lasers & Applications: Amazon.es: Jan Perina, Jan Peřcaron Ina: Libros en idiomas extranjeros

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

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

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

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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

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

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

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

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

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

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

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

Photon Statistics and Coherence focusing on the emission characteristics, photon statistics and typical effects different from atoms

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

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

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Photon statistics of a single-atom intracavity system involving electromagnetically induced transparency: Photon statistics and coherence theory,

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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

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proceedings of the Sixth Rochester Conference on Coherence and Quantum Optics Some Modal Expansions of Partially Coherent Fields.- Two-Photon Atom-Photon

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

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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}

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

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

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

Photon Statistics of Semiconductor Light Sources: Coherence properties of vertical-cavity surface-emitting lasers and polariton condensates

Photon statistics of light single photons were demonstrated by one controlled atom f14g. Single-photon-counting the single-photon state and coherent

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