DECAY OF QUANTUM COHERENCES UNDER THE INFLUENCE OF A

## decay of quantum coherences pdf

Relaxation, pre-thermalization and diffusion in a noisy Quantum Ising Chain. Jamir Marino† and Alessandro Silva‡ † SISSA International School for Advanced Studies and INFN, via Bonomea 265, 34136 Trieste, Italy and ‡ ICTP International Centre for Theoretical Physics, P.O. Box 586, 34014 Trieste, Italy (Dated: December 21, 2013) We study the dynamics of thermalization resulting from a ...

## Relaxation, prethermalization, and diffusion in a noisy

Quantum decoherence is the loss of quantum coherence.In quantum mechanics, particles such as electrons are described by a wave function, a mathematical representation of the quantum state of a system; a probabilistic interpretation of the wave function is used to explain various quantum effects.As long as there exists a definite phase relation between different states, the system is said to be ...

## Quantum decoherence - Wikipedia

Hermann Harde, Helmut Schmidt University, Electrical Engineering Department, Faculty Member. Studies Electrical Engineering. Biography 1966-1970 studies with focus on atomic and laser physics at the Technical University Hannover. 1971-1974 scientific

## Hermann Harde | Helmut Schmidt University - Academia.edu

Two-dimensional nuclear magnetic resonance spectroscopy (2D NMR) is a set of nuclear magnetic resonance spectroscopy (NMR) methods which give data plotted in a space defined by two frequency axes rather than one. Types of 2D NMR include correlation spectroscopy (COSY), J-spectroscopy, exchange spectroscopy (EXSY), and nuclear Overhauser effect spectroscopy (NOESY).

## Two-dimensional nuclear magnetic resonance spectroscopy

The Annual Review of Physical Chemistry, in publication since 1950, covers significant developments in the field of physical chemistry, including biophysical chemistry, chemical kinetics, colloids, electrochemistry, geochemistry and cosmochemistry, chemistry of atmosphere and climate, laser chemistry and ultrafast processes, the liquid state, magnetic resonance, physical organic chemistry ...

## Volume 69, 2018 | Annual Review of Physical Chemistry

PHYSICAL REVIEW A, VOLUME 62, 052507 Energies and hyperfine splittings of the 7D levels of atomic francium J. M. Grossman,* R. P. Fliller III, T. E. Mehlsta¨ubler,† L. A. Orozco, M. R. Pearson, G. D. Sprouse, and W. Z. Zhao‡ Department of Physics and Astronomy, State University of New York, Stony Brook, New York 11794-3800 ~Received 5 May 2000; published 12 October 2000!

## Energies and hyperfine splittings of the 7D levels of

The pursuit of better atomic clocks has advanced many research areas, providing better quantum state control, new insights in quantum science, tighter limits on fundamental constant variation and ...

## Systematic evaluation of an atomic clock at 2 × 10?18

Back to Items of Interest Sub-Table of Contents. Gain, Stability, Efficiency, Life, FB Versus DFB Laser Factors Affecting Laser Resonator Performance The following is the short list of physical characteristics of a conventional Fabry-Perot (lasing medium between mirrors) laser resonator that can affect lasing performance including power output, efficiency, beam quality, and stability:

## Sam's Laser FAQ - Items of Interest

Back to Sam's Laser FAQ Table of Contents.; Back to Helium-Neon Lasers Sub-Table of Contents. HeNe Laser Characteristics, Applications, Safety Note: Due to the amount of material, information on specific commercial helium-neon lasers has moved to their own chapters: Commercial Unstabilized HeNe Lasers for the vanilla flavored (or actually mostly cherry flavored!) variety, and Commercial ...

## Sam's Laser FAQ - Helium-Neon Lasers

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