

Pavel Kamenov. BEYOND THE QUANTUM PHYSICS. Philosophical implication together with Richard Feynman.

This paper is a short exposition of a new scientific physics branch, named *Physics of Solitary Quantum systems*. Its are shown the new and not expected experimental and theoretical results which are in not concordance with Copenhagen's interpretation (philosophy) of Quantum physics, but are in very good agreement with de Broglie – Bohm interpretation (philosophy). New results do not contradicts Quantum Mechanics, but contradicts almost all Copenhagen's philosophical dogmas and illusions. The laws, which govern a solitary quantum system are completely different from the laws for an ensemble of a quantum systems. The properties of the solitary quantum system – one photon, one electron one atom or one nucleus – are strongly different one from another, but brings to the laws for a corresponding statistical ensemble. This investigations show that “Big Ben” can be also a Big illusion.

According to Feynman in the science it is not known preliminary which from the ideas (interpretations, philosophies) are useful and which is useless. This can be determined from the human knowledge based on the experiments.

**Keyword:** solitary atom; initial conditions; soliton gravity potential.

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