

# 3D Atlas of Atomic Nuclear Structures

## WEB AND STANDALONE

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### DESCRIPTION

The atlas represents the atomic nuclei, the protons and neutrons that form them through symbols outlining their orbits. Digital 3D visualization of atomic models provides a new opportunity to model and analyze simple and complex molecules and the interactions between them on a nanometer scale, with better spatial resolution than the most powerful electron microscopes. The software, which will be piloted and tested within the project, will allow the arrangement of protons and neutrons in atomic nuclei, in full accordance with the rows and columns of the Periodic Table of the Elements, respecting properties such as valence, electron shells, positions of electron orbits, interactions with electron orbits determining magnetic moments.

### APPLICATIONS

THROUGH THE APPLICATION OF THE ATLAS OF ATOMIC STRUCTURES, IT IS POSSIBLE TO DEVISE THE THESIS THAT THE BROWN GAS STRUCTURE REPRESENTS A SPECIFIC STATE OF THE WATER MOLECULE, AND NOT A STOICHIOMETRICAL RATIO OF OXYGEN AND HYDROGEN, AS ACCEPTED IN MULTIPLE OF SCIENTIFIC DEVELOPMENTS AND PRACTICES. SIMILAR CONCLUSIONS HAVE BEEN MADE IN A NUMBER OF STUDIES BY SCIENTISTS FROM THE USA, CANADA AND BULGARIA AND PROVE AT A THEORETICAL LEVEL THE BENEFITS OF THE ATLAS APPLICATION.

ANALYSIS OF EXPERIMENTAL DATA BASED ON THE ATLAS OF ATOMIC STRUCTURES REVEALS THAT THE BROWNIAN GAS, IN PRACTICE ALSO CALLED NNO, IS A SPECIFIC STATE OF THE WATER MOLECULE HAVING STORED QUANTUM ENERGY MECHANICAL LEVEL. THE STARTING THESIS OF THE PROJECT TEAM IS THAT THE CURRENTLY USED SCIENTIFIC APPROACHES AND APPARATUS DO NOT ALLOW A SUFFICIENTLY IN-DEPTH UNDERSTANDING OF THE STRUCTURE OF BROWN GAS, WHICH IS IMPORTANT FOR PROCESS MANAGEMENT IN ITS PRODUCTION AND APPLICATION.

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### ИЗСЛЕДВАНИЯ

**STUDIES OF THE APPLICABILITY OF THE METHODOLOGY AND THE 3D ATLAS BASED ON IT IN THE FIELD OF BROWN GAS - A STUDY OF THE PRINCIPLES AND MECHANISMS OF ENERGY STORAGE IN THE SPECIFIC STATES OF THE WATER MOLECULE**

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### ТЕХНОЛОГИИ

PhysX Engine, CUDA, Blender, Qscope, UE5

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### ВЪЗМОЖНОСТИ

Three-dimensional visualization of atomic structures and molecules  
Visualization of the Cosmic Lattice and Compton Waves

<https://www.youtube.com/watch?v=vt6HKPfivUE>

