



The atomic nucleus theory

By Serga, Eduard

Condition: New. Publisher/Verlag: LAP Lambert Academic Publishing | New ideas and results | Fundamental ideas of the author's theory are: intra-nuclear gravity; intra-nuclear fusion (neutrons' redoing into other particles); the presence of negative nuclear field's mass component (equivalent to nuclear field's energy); the insolventy of the nuclear forces' hypothesis; the intra-nuclear fusion reactions' linking with nuclear radioactivity. Nuclear reactions are marked only by the change of nuclear field's mass component, whereas nuclear matter's mass remains unchanged. The author's helion-hydrogen model has no the main defect of existing models - the uncertainty about relation between nucleus structure and properties. Nuclei consist of protons and electrons grouping into nuclear particles, which are (for stable nuclei) mainly the helions and tritons (as in Pauling's model). The author's new results are: base equations of nucleus structure; development of structure-mass analysis method for definition the most stable nucleus structure; new isotopes theory explaining isomerism, stability of magic nuclei and heavy nuclei' ability to the decaying; new theory of neutron and deuteron constructions. The book has intend for readers interesting in new ideas of nuclear physics. | Format: Paperback | Language/Sprache: rus | 104 pp.



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