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Erzion Model at its Supplement to Cosmic Rays, Astrophysics, Geophysics, Cold Nuclear Transmutation and Other Nature Phenomena

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Although Cold Nuclear Transmutation (CNT) is rather reliable phenomenon, but there are few theoretic models for its explanation. Erzion model of the catalytic nuclear transmutation (EM) was one of the first such models which could in detail interpret this phenomenon. So in the report it is described the shot history of Erzion (new massive stable hadron) hypothesis appearance in Cosmic Rays in 1982 and Erzion Model development to explain the main features of Cold Nuclear Transmutation Experiments. Erzion Model can give principle explanation for many problems in Cosmic Ray, Astrophysics and Geophysics. In framework of EM Erzion is object of Dark Matter. Moreover, some applied problems can be decided in framework of Erzion Model, such as: 1) to create the new energy-capacious, ecology-pure with rather simple technology nuclear energetics; 2) principle and radical utilization of radioactive wastes; 3) cheap production of some chemical elements and isotopes (gold for example). Erzion Model can explain many experiments in Cold Fusion and can predict many new experiments for its testing.

Primary author(s) : Dr. BAZHUTOV, Yury (Scientific Research Center of Engineering Physical Problems (SRCEPhP) “ERZION”)

Presenter(s) : Dr. BAZHUTOV, Yury (Scientific Research Center of Engineering Physical Problems (SRCEPhP) “ERZION”)

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