

Dear colleagues!

In early February 2014, I sent an appeal to the President of the Russian Federation on the so-called “cold fusion.” The realization that, in this case, we have encountered a completely new and epoch-making event in nuclear physics prompted me to do so. Cold fusion is an unusual phenomenon, which does not contradict any of the fundamental laws of nature, which inevitably will change the entire course of human history in the near future. The transition from oil and gas to safe, cold nuclear fusion energy with its truly inexhaustible opportunities will give to the hands of mankind a fantastic jump in energy, by seven orders of magnitude. We must be ready for the radical transformation of our entire way of life and try to avoid undesirable social turbulences associated with this transition.

The phenomenon of cold fusion was discovered by chemists Fleischmann and Pons about 25 years ago. It happened quite by accident. Currently, this phenomenon is reliably confirmed by experimentation, but each group of researchers interprets the nature of it in their own way. Cold fusion is at the junction of atomic and nuclear physics, elementary particle physics, chemistry, catalysis, and solid state physics. Quantum mechanics, quantum electrodynamics, and the Standard Model of elementary particles and their interactions are the necessary components for this symbiosis of natural sciences. A specialization in science has currently gone so far, and quite a few scientists hold the required multidisciplinary scientific apparatus. It turns out that in such a well-studied area as modern nuclear physics, there are still areas that do not fit into traditional recipes and phenomenological rules. I am lucky that in the course of my academic career I have gained some experience in virtually all of these divergent fields.

My appeal to the President of the Russian Federation on cold fusion was sent for review to the Ministry of Education and Science of the Russian Federation, who forwarded it for response to the Scientific Research Center “Kurchatov Institute.” This appeal was also transmitted to the Russian Academy of Sciences. In this web page in Section Blog R I present copies of the documents that I have received from the reception of the President of the Russian Federation, the Ministry of Education and Science of the Russian Federation, and the Kurchatov Institute. My answer to the review of Dr. Yu.V. Martynenko of the Kurchatov Institute is also provided, where I point out of the weaknesses of his negative conclusion. I look forward to the continuation of this scientific debate with supporters of traditional thermonuclear fusion. I still know nothing about my appeal that was sent for the review to the Russian Academy of Sciences.

It is interesting that in the Communications of International Thermonuclear ITER Project a reference to the memories of current Dean of the University of Utah Prof. David Kieda appears recently about those times when Fleischmann and Pons have claimed the discovery of cold fusion. ”I believe they really wanted it to be true. It would have been fantastic if it was. But the universe is what it is. You have to bend to the rules of the universe. And just because you want

something to happen doesn't mean it's going to happen". The reference to these memories and on the authority of Prof. D. Kieda, it seems to me, is designed to strengthen the weakening determination of the ITER physicists that they have selected the correct directions.

We have a lot of to go beyond in the near future.

Truly yours,  
E.N. Tsyganov