

## **Stupid formula $E=m*c^2$ (The ignorance of physicists 8)**

The ignorance presented here can be especially troublesome for some people. This will be the case when these individuals see a glaring inaccuracy in the physical formula and in the theory considered "basic theory", and at the same time hold high scientific positions. They may face a dilemma: officially question this formula or not. By undermining the correctness of such a theory, they risk losing their existing scientific privileges. Because it may result in the loss of position, earnings, respect in the environment, etc. And what is this "particularly troublesome" ignorance? Currently recognized as the "basic theory" is "mass-energy equivalence" - it is expressed by the formula  $E=m*c^2$ .

The ignorance associated with this mathematical formula ignores three physical laws - issues.

### **The first law that was overlooked - The Law of Faint Action**

The ignorance associated with this pattern is depicted in connection with the work of accelerators. In these devices, the particles are accelerated to ever higher speeds. During the acceleration process, the amount of energy used in acceleration increases "at a dizzying rate". Thus, physicists invented that the increase in energy to be used to accelerate the particles to ever greater velocities is due to an increase in the mass of the particles that are accelerated in the accelerator. In other words, they came up with the idea that the energy transferred to the particles (while making them faster and faster) turns into their mass. And such a "dark" solution by physicists to the problem of the increase in energy, which is used to accelerate particles, arose due to the fact that they did not know (and do not know so far) a certain physical phenomenon. This phenomenon is related to the mutual transfer of energy by the particles at increasing relative velocities as they collide with each other. In short, the collision of particles with each other, when they have greater and greater velocities in relation to each other, means that these particles transfer less and less energy to each other. This phenomenon has been called the law of insignificant action (law IA). You can read more about this in "The law of insignificant influence in action" at [http://pinopa.narod.ru/Prawo\\_ZD\\_uk.pdf](http://pinopa.narod.ru/Prawo_ZD_uk.pdf).

### **Second ignored law - The law of dynamic resistance of the medium**

While respecting the "ignorance" introduced into physics in the form of the formula  $E=m*c^2$ , the existence of dark matter is ignored. The concept of "dark matter" was introduced into physics in order not to return to the concept of "ether". Dark matter exists everywhere - so it exists in a void of space, where there is no atomic matter, and exists in various ways densified in atomic matter. Dark matter is just a protoelectron medium, which is made up of particles called protoelectrons. Densities known as electrons are formed from these particles under suitable conditions. (You can learn more about electrons in the article "Electrostatic field? ... It's very simple!" at [http://pinopa.narod.ru/Pol\\_el.stat\\_to\\_proste\\_uk.pdf](http://pinopa.narod.ru/Pol_el.stat_to_proste_uk.pdf).) In accelerators, particles are accelerated to huge speeds in channels with physical vacuum. There is no atomic matter there, but there is a much condensed protoelectron medium. High concentration of protoelectrons in these places (channels) is caused by the atomic matter present in the vicinity. The particles that rush through the condensed protoelectron medium with great speed are necessarily exposed to the resistance of this medium. This phenomenon of the influence of the protoelectron medium on flying particles is similar to the effect of air on a flying rifle projectile. It is true that at high speeds, the phenomenon described in the IA law becomes more and more visible, and then the resistance of the medium to the rushing particles decreases. However, before this law IA is clearly manifested, there is a strong resistance put up by the protoelectron medium. Physicists who introduced "ignorance" to physics in the form of the formula  $E=m*c^2$ , did not take this resistance into account.

### **Third ignored law - The law of mass increase with compaction**

The above-mentioned protoelectron center also testifies to the existence of "darkness" in physics in a different way. This topic is presented quite extensively in the article entitled "Dark Matter in Phenomena", which is available at [http://pinopa.narod.ru/Ciemna\\_materia\\_w\\_zjawiskach\\_uk.pdf](http://pinopa.narod.ru/Ciemna_materia_w_zjawiskach_uk.pdf). There are presented experiences that allow you to understand that dark matter not only exists in the cosmos, but is simply one of the components of atomic matter. The results of experiments in which there is an increase (and / or decrease) in the mass of matter show in two things. Firstly, the properties of dark matter can be studied

not only through astronomical observations, but also here on Earth, e.g. in laboratories. Second, the results of the experiments show that the equivalence of mass and energy, which some say is expressed by one of the most famous formulas in human history as  $E=mc^2$ , has nothing to do with reality. Because according to this formula, the loss of weight of 0.38 grams should be combined with the appearance of a huge amount of energy. Also, an increase in the mass of matter by such a value should take place after the supply of an appropriate amount of energy. This amount calculated using the formula should be approximately 34.2 terajoules. This is a value comparable to the energy of a large size atomic bomb. And it should not matter whether the cause of, for example, the loss of mass is demagnetization of water or mild steel, or the crushing of an appropriate amount of metal foil. Each such case proves that the famous formula  $E=mc^2$  has nothing to do with reality. Because in this case, the physical law says that the mass of matter increases with its concentration. And this compaction does not require such a large energy as it is shown by the famous formula  $E=mc^2$ .

Author for lightening physical issues  
Pinopa