A look at the characteristic torsion phenomenology

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Physics is an experimental science .
With . Ting (inscription on the wall of office 4-
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Statement of a question

Studying criticism torsion hypothesis Akimova - Shipova , I am convinced , that the majority of Critics do not know not only the experimental facts , underlying this hypotheses , but also did not read the primary sources o consider seriously the hypothesis of - for quite a few bo of its authors , although they cannot say anything on the or the results of experiments known to them . The first t as a rule , he does not want to know any experimental fa textbooks . If we take into account the few constructive torsion hypothesis , it comes mostly from the people , fa abnormal physical experiments firsthand , and the authors of their own original hypotheses . Such criticism is caused , as a rule , by dissatisfaction with the fact that with one hypothesis (besides someone else's) they want to explain everything inexplicable at once , and is mainly in the question : " And why torsion fields , rather than that - the other ? " This article examines some of the current anomalous phenomenology and is a rapid - response to this attempt to search , of course , a legitimate question .

Concepts of torsion fields

Let us briefly enumerate the properties , which advocates torsion Akimova hypothesis - Shipov is attributed to torsion fields :

1. Long-range action in quantum spin and macroscopic rotation .
2. Non-shielding in the usual way .
3. Axial symmetry of torsion radiation sources .
4. The presence of left and right torsion fields .
5. Non-energetic , holographic and non-local nature of the torsion radiation .
6. The speed of propagation is many orders of magnitude greater than the speed of light .
7. Concomitant electromagnetic fields .

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8. Attraction of the same name and repulsion of opposite " torsion bars charges ".
9. Primary torsion fields as the basis of the physical vacuum .
10. The quanta of the torsion field are ultra-low-energy neutrinos .
11. The presence of a static (with a limited scope) and dynamic torsion radiation (which does not have its own near borders).
12. Generation of torsion fields by geometric shapes .

Provisions such as holographic nature , non-energetic nature impacts , the presence of left and right field modalities , information transfer , high penetrating power , confirmed by many experimenters .
In particular , the following phenomena are known :

- Targeted physical impact on objects through their photographs [4, 5].
- No significant read more (hidden) information photographs [6, 7, 8, 9, 10].
- Paradoxical actions of torsion generators , and psychics on biological organisms , non-equilibrium physical and chemical processes ,

and also on the parameters of quantum random processes [11, 12, 13, 55, 56].

- High penetrating power and influence of torsion generators psychics [14, 15, 16].
- Transfer of information about the substance through the radiation from the torsion generators [15, 17, 18].
- Non-local interaction between objects [11, 19, 20, 21, 22].
- Generation of highly penetrating non-electromagnetic components with lasers , LEDs , electronic equipment [23, 16, 24, 25, 26].

These effects have been highlighted by many researchers , and some of them are already working. in technologies , despite their " anomalousness ". But are there any significant reasons say , that these phenomena of " guilty " is torsion fields , ie . e . fields torsion ?

Phenomena , characteristic of torsion fields

The main provision , which features a torsion hypothesis from the rest - is binding to spin / spin as a source of torsion fields . In my opinion , part results of experiments directly speaks in favor of this provision , part - no rules out such an explanation as rather plausible . Consider the results and then , as they can in principle be explained by the hypothesis of action at a distance on the back .

1. Changes in the crystal lattice of a solidified metal melt under the action of torsion generators [17, 27]. The assumption , that this is done it is the remote action on the spin subsystem of the forming crystal lattice , together with the well-known Pauli exclusion principle , indeed , can explain this effect in terms of the mechanism of action .

2. Influence of torsion generators on the kinetics of chemical reactions [28, 29]. Here the hypothetical mechanism is the same , combined with a possible coherent state of matter at spin polarization . Characteristically , this effect solid media longer , than for liquids , and for liquids - longer , than for gases .
3. Effects from rotating masses with pronounced axial symmetry impact . Experiments by the groups of Lunev , Melnik and Shnol [11, 30, 31, 32, 33, 34, 35] show , that rotation affects the radioactive decay and other physical processes . Evidence of a decrease in the radioactivity of the samples is also found in experiments with vortex installations , in which solutions of radioactive salts [36, 37]. Mechanical phenomena of mutual influence rotating masses are described in [38].
4. Similar nuclear effects , but much more pronounced , are manifested under effect devices , which are typical torsion generators (generators of Krasnobryzhev , Kinderevich , Shakhparonov [20, 39, 40]), as well as a series experimental facilities , which , in - the first , leading to transmutation chemical elements and radioactive isotopes lowering , in - Second , based a powerful electric discharge , and - thirdly , again - still contain elements structures of a torsion generator based on a cylindrical capacitor (installations of Urutskoyev , Adamenko , Ivoilov) [1] [41, 42, 43, 44, 45, 46]. Cm . See also [63]. Characteristically , these plants from other areas of research have the same the most characteristic effect on biological objects , as torsion generators Akimov (increasing the resistance of mammals to radiation sickness [47, 48, 49, 50]), and are also sources of " strange " highly penetrating radiation [51, 43, 44]. These effects can also be interpreted in favor of the torsion hypothesis : not possible , it is through the impact on the spin of the nucleus is in principle possible to achieve changes in nuclear states up to inhibition / catalysis of nuclear reactions .

This does not exclude the factor of the collectivity of the nuclear processes taking place here. with coherent states (see . also Parkhomov description of experiments generator Karavaikin in [12], p . 44).

5. The effect of spin - polarized polymers on biological systems and

meter IGA -1. We are talking here about protective devices of the Forpost type [26], are made based on a polymer , solidified under torsion radiation generator . These polymers , transparent to electromagnetic waves , in which work with mobile phones and many other radioelectronic the equipment , judging by the test reports , is capable of providing protective exposure to pathogenic factors [52, 53]. Say with confidence , that the mechanism here is the spin - torsion , on - apparently , is premature , although this hypothesis clearly claims to be plausible . Experiment protocol France - Omsk [54] with using IGA -1 as an indicator also suggests , that such protection can be transmitted via a cellular communication channel , which in itself is extremely interesting .

[1] The role of a cylindrical capacitor can also be played by an electric double layer when discharged in water , as well as in any electrolysis plant . Cm . See also [68].

6. The effect of weakening the impact of torsion generators and psychics on sensors using special spin - polarized screens [1, 55, 56].
Such materials (double polymer films with perpendicular vectors polarization) were used as torsion gates in generators designs by Deev and Akimov . Characteristically , these films are also transparent to electromagnetic frequency ranges , applied in the experiments . When parallel arrangement of the polarization vectors, the screening effect radiation from torsion generators disappears .
7. The effect of permanent magnets on biological objects , as well as on chemical processes in liquid media (ie . n . of water and fuel activation). Currently no generally accepted explanation , how a magnetic field can promote more energy release during fuel combustion , change the course of chemical reactions in water and change its biological activity , and also affect plant growth and human well-being . However, quite many designs t . n . activators of water and fuel is based precisely on using permanent magnets (it is enough to type in Yandex “ magnetic activator ", to ensure that the number of products offered , on - apparently , in demand). From the point of view of the torsion hypothesis, the magnetic field here is neither at what , and instead the torsion field from spin ordering works electronic shells of a ferromagnet . Here , however , experiments are needed. on the allocation of non-electromagnetic components of radiation from permanent magnets .
In this regard, the reverse process is interesting - magnetization of non-magnetic materials. and the appearance of anomalous magnetic zones and some thermodynamic effects from typically torsion installations [57, 58, 59].
8. Metastable Mössbauer effect . According to Akimov , under the influence torsion generators, the Mössbauer spectrum of Fe-II and lecithin [60], and according to Tarasenko , this effect was independent reproduced on the initiative of the USSR State Committee for Science and Technology [61]. A similar effect is seen Urutskoev and Ivoilov when studying the effect of an electric explosion in water on foil of Fe^{57} , adjacent to the installation [62] Moreover, the effect was metastable - after a few days the shift in the spectrum disappears . Here you can make a conservative assumption , that one and manifests itself in these experiments the same effect of torsion radiation (" strange " radiation in terms of Urutskoyev and Ivoilov) on the spin subsystem of atoms - the effect metastability is another characteristic feature of torsion effects .
9. The relaxation time NMR " spin - lattice " varies significantly for hard and samples of liquid substances , subjected to the action of powerful torsion generators [21]. This is also direct evidence of the effect on the spin subsystem of matter .
It may be noted , that the evidence of the characteristic hallmarks of it

there are many torsion fields . The same devices - electric torsion generators -
It has an effect , similar to the action of the rotating masses , and at the same time
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cause the whole spectrum of anomalous phenomenology , intrinsic also acts
psychics .
However, I did not find direct lines for individual provisions of the torsion hypothesis.
confirmation in the experimental work available to me . These include
provisions on neutrinos as quanta of a torsion field , on superluminal velocity
torsion signal transmission , and about the attraction / repulsion of torsion charges .
The presence of the radiation pattern (and hence , and the radiation direction) from
various torsion generators , and at the same time non-local
some effects require a separate careful study of the provisions on
nonlocal character of the torsion field (although with the addition of the considered
hypothesis by the assumption of accompanying quantum nonlocal phenomena and
coherent states, this contradiction can be resolved , and at the same time
an explanation of the metastability of torsion effects appears through the effect
gradual decoherization with the environment). Cm . in this regard also [14].
Another group of provisions - on the non-energetic nature of the interaction , has
obvious contradictions with some facts of momentum or momentum transfer
pulse through " strange " forms of radiation [64, 65]. Obviously , along with spin -
torsion interaction , there are other physical factors that are not
still covered by theories , and one hypothesis to explain the whole variety of known
abnormal facts , indeed , impossible .
Also met me explain the mechanism of , how torsion
fields are self-generated by geometric shapes (shape effect). However , I do not
there were other convincing explanations for this extremely interesting
effect [66, 67].

conclusions

1. A number of experimental results indicate the reality of the phenomenon
action at a distance on the back , the underlying hypothesis of torsion fields
Akimov - Shipov , and on the fruitfulness of this hypothesis in general .
2. A number of provisions of the torsion hypothesis need further elaboration and
experimental confirmation .
3. Some of the current anomalous phenomenology caused , apparently , not
torsion fields , and other factors , which must be allocated and
study .

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