

## **Observation of Dark Spherical Area After Passage of Ball Lightning Through Thick Absorbers**

*A.G.Oreshko*

*Moscow Aviation Institute (State Technical University)  
125871, Moscow, Russia*

P.L.Kapitza supposed what a ball lightning is a window in other world. Problems of dark matter are intensively discussed now and search of base elements of substance on a collider is conducted. The processes of electrical charge generation and collapse have remained in explicable for many centuries. These processes may be connected with existence in the Universe of particle flows that have mass and energy and also possess high penetrating ability. The idea of such particle existence was first stated by Lessage. By means of such particles depending on conditions or effect level available a gravitational, electromagnetic or weak interaction is realized. The author did not put forward the aim of receiving dark matter or neutrino. Perhaps, the results obtained by the author on ball lightning passing through absorbers will allow to explain such an actual problem as electric charge structure and contribute to creation of a single field theory.

In the course of experiments on installation "Prometheus" with thicker absorbers applied a visually seen aura under the absorber disappears. With a very thick absorber (polyethylene 60 mm thick or carbon steel 4 mm thick) in the area under the ceiling a dark spherical field was discovered quite by chance, the diameter of which was about a ball lightning diameter. It appears during the time equal to the time of ball lightning appearance in the same area in the absorber absence, i.e. a dark field motion velocity from an absorber upwards to a field of its observation equals to a ball lightning motion velocity in the absorber absence. To carry out optical registration in this case is impossible even under photo films application of 3200 unit resolution. With application of aluminum foils

0.05 mm thick in the absence of a thick absorber along the ball lightning passageway there are imprints on thin foils that appear as a result of ball lightning collapse. With the presence of a thick absorber along the lightning passageway – under interaction with thin foils and disappearance of a dark spherical field the above imprints are absent. Existing above, under the lab ceiling for a very short time, a dark spherical field that emits no radiation is also seen on an optoelectronic converter screen.

To explain the dark spherical field presence from classical physics positions is impossible. Dark field existence gives ground to believe that under interaction of ball lightning and a thick absorber there takes place a process of particle release of high penetrating ability. As is known, an exclusively high penetrating ability is characteristic for neutrino. These particles may be neutrinos only that following a hypothesis of isotropic neutrino flows are generated in Scifert Galaxy and they are responsible for all the types of interaction. Those neutrinos may be called type-eight neutrinos or lessagens. In the process of matter charging, inexplicable for many centuries, typical of some kind of dielectrics there occurs electron generation as a result of friction. If to suppose that in the process of dielectric charging the electron generation takes place with high-penetrating ability particle flow participation, then in the process of ringular layer electron interaction of ball lightning and a thick absorber under the presence of poloidal magnetic field there occurs the electron energy dissipation, their destruction and particle appearance that took part in the process of electric charge generation. If a process of elementary electric charge – electron generation is considered direct, then a reverse process, probably, exists. Therefore, under interaction of electron and metal with a magnetic field present a process of electron collapse and type-eight neutrino (lessagens) release takes place. Probably, that particles from which the dark spherical field consists, are base fundamental particles from which the substance in the Universe consists.