

On the value of David Bohm's Quantum Mechanics or Consistent Faith of a Physicist: God's Grace within Physics

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Abstract— Without violent forcing to accept my points, I present the glim of my consistent faith to the scientific community of orthodox believers. Because I stay within the dogmas of the Orthodox Christian Church, I suggest to read the text without criticism. It is simply the beautiful and meaningful picture of my personal world. Please enjoy it.

Index Terms— God, Physics, Quantum Mechanics, Theology

1 INTRODUCTION

In 2014, the Templeton prize winner John Polkinghorne wrote: "In the second half of the eighteenth century, the deterministic character of Newton's equations encouraged many people to see the physical world in strictly mechanical terms, as if the universe is a gigantic piece of cosmic clockwork." [1]

Such a constrained view comes from the belief that the energy and momentum are always conserved. It means that if I pull the door, the reaction of the door pulls me. Thus, our opposite momentums extinguish each other. When I have pulled the door, I have used a bit of food in my stomach. Therefore, the kinetic energy of the accelerated door came from my food: nothing is lost, nothing is gained. But what if the invisible God does some job? What if an angel pulls the door for us? Can a divine be source of energy and momentum, or latters are being simply created out of nothing? Because energy and momentum are material essence then they are being created. Thus the system of God, angels, matter and us is not closed. Therefore, the law of decay (the growth of entropy [2]) is not taken the place. It is the eternal life with care of our Lord. And they will eat from the Tree of Life.

To describe some (but not all) actions of God within the Newtonian formalism, one simply adds a non-material force f to his second law: $m a = F + f$ (vector arrows are omitted). Another kind of action is materialization and de-materialization (Jesus came to them while doors were closed). The latter violates Einstein's General Relativity. Therefore, the additional non-material terms X should be added to Einstein's equations: $G + X = 8\pi T$ (tensor indices are omitted). In Ref. [3] these entities are identified as Dark Matter and Dark Energy (the incomplete text is in Ref. [4] free of charge).

2 QUANTUM MECHANICS

Quantum Mechanics as interpreted by Niels Bohr is not complete. First: Schrödinger's equation contains only a single parameter U for describing the forces acting on the particle. However, there shall be three functions for general forces (for example the magnetic force $v \times B$ has three independent components) which are not expressible by a potential U , i.e.

$F + f \neq -\text{grad } U$. Second: an individual test, the single hit of the particle onto a screen, is not subject to statistics. Therefore, even knowing the wave-function, the individual results are out of our (statistical) theory. It is "Unpredictability" as Polkinghorne calls it [1]. In other words: a particle is not a wave, but a group of particles has statistical properties resembling a wave. Thus, within this logical anti-nihilistic approach the wave-particle dualism is simply solved.

Polkinghorne: "Unpredictability can be due to two quite different reasons. One would be an actual degree of intrinsic indeterminism present in nature, such as that which is supposed in Niels Bohr's Copenhagen interpretation of quantum theory [see Martila's criticism against the wrong understanding of the Heisenberg's uncertainty principle [5]]. The other possibility would be that unpredictability is simply the result of a necessary ignorance, arising from an intrinsic inaccessibility preventing us from gaining knowledge of all the detailed factors which in fact actually fully determine what is happening. David Bohm's deterministic interpretation of quantum theory has this character due to the presence of "hidden wave" which influences the behaviour of particles. The fact that the theories of both Bohr and Bohm, though radically so different in character, yield the same empirical consequences shows that the choice between them cannot be made simply on purely physical grounds but it requires an act of metaphysical judgement." [1]

An experimentalists' papers appeared in "Nature" in 2015 telling that Nature does not exist and that the David Bohm was wrong [6]. This is like a self-destructive irony: to (wrongly) prove "No Nature" in a journal called "Nature". Speaking about nihilism, the grimmest picture is found in the interpretation of Quantum Mechanics by Niels Bohr. The 2015 paper in the renown journal "Nature" "proved" that Schrödinger's Cat is real. Thus, the world does not exist: a thing can not both be and not be. The Schrödinger's Cat was designed in 1935 to reverse Bohr's thinking, not to progress it.

It is very convenient nowadays that even if a grain of sand is crazy hallucination (like the "proven reality" of the undead

cat), this non-existent grain needs no divine (loved, but more often hated) Creator. The reason of delusion is that the convention has missed an intelligent factors, e.g. evil spirits, which very often act on the measuring device (recall the wrong alarms in nuclear armed forces). Bohr's interpretation tells: there is no nature, until you look at it. But how can I look at nature if there is no nature in the first place? Such problems do not appear if paying respect to David Bohm's theory [7].

3 GENERAL RELATIVITY

Bohr's interpretation has run into incompatibility also with General Relativity [8]. A paradox discovered by Cooperstock shows that the interpretation of a photon as a wave (a probability wave in Bohr's interpretation) and Einstein's equations are incompatible [9] (see also Ref. [10]). The photon is a particle in God's care and not a casual wave!

The double-slit experiment convincingly shows that there is a non-mechanical connection between the behavior of the experimentalist and the behavior of the physical system: there is no fundamental interaction in physics which would change the picture in the impact screen [12]. Therefore, there is freewill action in the laboratory. This surely explains the violation of Bell's inequalities in some of the experiments.

4 DISCUSSION

Anna: "the photon interferes with itself" [11], thus photon is wave.

Me: a single photon is shot out of the gun. Where is the interference pattern? Screen has one hole and that's it. Now, if the photon would fall apart and the screen would have hundred holes from a single shot, then I would believe it: the photon interferes with itself.

5 THE END NOTES

A. rejections

Hello, a very kind and friendly Christian. Please read the file attached and quickly tell me, will it be published or not. Is it at least readable? If not, then tell me: I try to correct the English and sent you file again.

Dear Dimitri, Thank you for your submission. We have looked through it and unfortunately it is not suitable for publication in Journal of Creation. A prerequisite of JoC submissions is that they must interact with current creationist and secular research in the area, and also acknowledge and reference previous work. Kind regards, Pierre.

Hello, dear Pierre, who is serving us Christians like the last slave. The only problem with my beautiful paper is wrong presentation. But the idea is good and fully acceptable. So, can you connect me with Creational Scientist, who would collaborate with me for pleasing the style of your journal? Be well, Dimitri.

The Journal of Philosophy

Dear Philosopher, please open the file attached. My paper is midst Religion and Physics. What I am asking? My premise is: you will for sure reject the paper. Therefore, I am asking you not to accept (it is hopeless: you have insuperable and unnatural freewill to reject), but to read as a Philosopher and tell me one simple thing: is it beautiful? Is my claim: "consistent faith" the true one? Be well, Dimitri.

Dear Dimitri Martila, Thank you for your interest in the Journal of Philosophy. Unfortunately, I cannot process your manuscript as it does not conform to our policy of blind review. Please consult our memo to authors on our website, journalofphilosophy.org, and resend your paper. Thank you, Jason Stopa, Editorial Assistant.

Hello, Jason! Thanks. Proposed way I have gone before. It leads to reason-less rejection. They even might say: "bad English and crazy style, no references to Philosophical literature". Therefore, I propose you to show the human curiosity. You are not a robot, dear Philosopher. So, please forget the publication option and just read the short simple text. Then tell me, is it beautiful or not? Can you be that kind? Do not justify the Steven Hawking's published conclusions: "Philosophy is dead", "We are just robots". Be well, Dimitri.

Idealistic Studies

Gary: "your essay is not accepted". Sure, Gary, the Professor. But can you share with me your emotions? Work is work and it is done and will be rewarded one way or the other. Be well, Dimitri.

B. Poetry

Got conceived I yesterday,
Me was not before that day.
That is sure, as faith mine true,
Someone has designed me too.

I got born today for sure,
Something shines in open door.
It is gifting light and warm
Making baby piece and calm.

Before I heard the name of Sun,
Knowledge had I of the Sun.
Likewise: prior sounded word,
I was familiar with God.

One more thing for you to know:
Devils storm the living soul.
Saves us from the bottom-less
Jesus Cross and Church Confess.

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