

GOD DOES NOT PLAY DICE.

A paper on the probabilistic nature of Quantum Physics and a possibility of reconstruction.....

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Abstract ; Quantum physics describe the interactions at the subatomic scale of atoms and molecules set against a background of space-time or more specifically gravitoetheron superfluid we call quantum foam..

.Feynman qualified this a sea of virtual particles for his calculation of QCD/QED book keeping of mass and energy...

Here Wave particle duality in the interpretation of obscure wave function of Schrodinger and further extended to matter waves by De Broglie and a probabilistic description by Max Born is a challenge by all realistic conceptual classical ideas of cause and effects.

Einstein failed to recognize the copenhagen interpretation by objecting in various forms and always talked of hidden variables . On the other hand, Bohr and others maintained that we should not be suffering from subjective beliefs of classical world as long as we are getting results from quantum calculations.

Feynman also proposed ...shut up and calculate without wasting time to conceptual difficulties. But Einstein was not fully convinced and always talked of hidden variables to get some connection from cause and effects.

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.....Re structuring Quantum Physics:

..We never thought of the environment as bubbling froth of gravitoetheron superfluid containing all sorts of uncertainties point to point widely affecting the initial conditions where the quantum process is born . In short , the initial conditions are varying and we call that probabilistic when the hidden changing unknown variables are affecting the outcome , though whole process is absolutely on cause and effects.

If we flip a coin , then each time initial jerk along with air flow/pressure will decide the outcome on cause and effects resulting into head or tail. Each time , the result can not be predicted but if we do it million times , then a pattern will emerge.

When entropy of the universe is increasing and second law of thermodynamics is ruling the world , the emergence of life along with ordered structures can only be imagined if we imagine a fundamental propensity for construction in the laws and constants of nature which may be a **COMPLEX CHAOTIC DETERMINISM which some time ..philosophers refer as **GOD**. Otherwise why this propensity of nature or even conscience will give us beautiful logical science**

for understanding the universe.

The flow of TIME has always been mystery and Einstein described the nature of time in special and general relativity by adopting the speed of light as maximum possible speed and we know ..he is right when we re adjust the atomic clocks in GPS systems. But this is only a measurement correction but what is time?

The entire universe is in non isotropic dynamism where the concept of absolute rest does not exist. As such all reference frames are relatively dynamic and as such time is dilating frame to frame without and absolute existing time.

So the theoretical absolute time is something imaginary but we never thought that QUANTUM PROCESSES FOLLOW ABSOLUTE THEORETICAL TIME IN ALL RELATIVE FRAMES OF REFERENCES.

This is the turning point in the history of science because relativity follow dilated time where as quantum processes follow absolute theoretical time making the marriage of quantum physics and relativity theory impossible.

All equations of Schrodinger , Heisenberg , Dirac and others are to be corrected where the time factor is misjudged from relativistic time notions creating conceptual uncertainty principles .

So my organised CHAOS THEORY on absolute time following cause and effects can have a profound impact in re construction of quantum physics.

Any quantum process is subjected to the non consistent behaviour of dynamical environment of highly sensitive initial conditions always undergoing feed back loops from past to present and even present to future creating a magic in understanding double slit experiments with and without observers when initial conditions are so much subjective like spin and superpositions .

THEREFORE CAUSE AND EFFECTS EXIST BUT WE CAN NEVER KNOW ALL CAUSE AND EFFECTS TO VERIFY AND CALCULATE FROM OUR THEORIES UNLESS A BROAD SPECTRUM OF MANY GIVE US PATTERN AS DESCRIBED BY MAX BORN IN UNREAL PROBABILISTIC INTERPRETATION.

WE CAN ONLY CONCLUDE THAT EINSTEIN IS RIGHT AND TAKE SHELTER UNDER NO REAL QUANTUM WORLD INTERPRETATION BUT ONLY AN ABSTRACT PHYSICAL QUANTUM DESCRIPTION ON THE WAVE FUNCTION AS CODING OUR OBSERVATIONS AND SUBJECTIVE BELIEFS.

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