MODERN PHYSICS AND THE ENTROPICAL TIME...ABSOLUTE TIME ...DILATED TIME ...MEASURED TIME AND THE CONFUSIONS IN UNDERSTANDING PHYSICS .. HOW TO RESOLVE MANY TENSIONS.

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Abstract:-

Our basic understanding of physics should start from absolute nothing with toal void and not from the present concept of space-time described by Einstein. We should start our understanding from absolute nothing as the basic frame of reference with only one concept of absolute time which Newton elaborated by universal time. Many of us may question the passing of time in absolute dead of nothingness where nothing happens at all. This is the time we describe in the core of blackholes in our modern physics. Does that mean that absolute nothingness is something like the core of a blackhole?

When we see many colored fishes swiming in a big glass bowl filled with water , we wonder the fishes must be thinking water around them is space . But here the space comes from filling the empty bowl with water . Similarly we humans along with all entities live in a space filled with an exotic medium named gravitoetherton superfluid. Newton called this stuff AETHER but Einstein dismissed the existence from MM experiment result developing relativity theory to assume space-time warping as gravity. Then the concept of many reference frames emerged with dilated time concept which was seen to be useful in GPS system but we forget that here the time we are dealing is measured time which is a variable in gravity and speed of reference frames.

In my balloon inside balloon theory published as short note in ASTRONOMY.NET, I tried to explaing the exotic space all around us as gravitoetherton superfluid consisting of many matter carrying and force carrying particles . We have seen Higgs Boson found in LHC experiment and the fermion graviton having 750 proton also most probaly noticed but failed to qualify. Again the presence of BOSON GRAVITONS carrying strong nuclear force , we call gluon also will be detected soon clarifying why there is 120 order discrepency in the calculation of vacuum energy. Till now we have ignored the presence of Boson graviton of huge energy present in space. Thus the ideas of DARK MATTER and DARK ENERGY will definitely be re looked as desribed in my subsequent narration in this paper. Unless we understand GRAVITOETHERTON SUPERFLUID by more experiments from LHC , We are unable to modify quantum theory and rescue it from COPENHAGEN INTERPRETATIONS. The basic mother field of nature is HIGGS FIELD which is zittering in a wave pattern shown by Schrodinger equation folowing uncertainty priciple of Hesisenberg but wrongly described matter waves proposed by de Broglie . The matter waves of de Broglie is calculated as half the propagating matter speed and as such can not be associated.

Schrodinger waves actually the pilot waves guiding the particle as WAVICLE dancing as bed rocking by the HIGGS FIELD and we are getting confused with wave-particle duality, superposition and collapse of wave function when in reality the particle is on wavicle mode. Let us not forget that this mother HIGGS FIELD connect all enties in absolute time and the cause of entanglement phenomena which I will be describing in subsequent narrations. Pauli exclusion principles clearly says that twin electrons from same source will be having opposite spin and if they are separated a galaxy distance even , they will show entanglement and we are getting confused saying SPOOKY ACTION AT A DISTANCE.

Einstein is right by saying GOD DOES NOT PLAY DICE and the cause and effects will be established by my CHAOTIC DETERMINISM THEORY and re interpretation of BORN probabilistic waves. ONCE THE

BASIC IDEAS ARE CLEAR FROM MY VARIOUS THEORIES PUBLISHED IN VIXRA.ORG " IT WILL NOT TAKE MUCH TIME TO FORMULATE MATHEMATICAL MODELS FROM THE OBSERVATIONS IN LHC EXPERIMENTS. Thus the concept of time is

a very tricky one in modern physics which Einstein elaborated in dilation concept on reference frames. But we are overwhelmed by the operation of time in GPS applications in space satellites and forgetting that all these are observational effects of measured time but not actual time. On the top of it Einstein postulated speed of light maximum possible information flow and constant irrespective of reference frames. He even described the speed of light which is not exactly speed of light but the smeared presence of electromagnetic waves and not the flow of photons having exit time tag from the source. As such when some one gives a time tag of photon exit from the source and apply Galilean transform for all chasing reference frame observers, he is fails to apply what exactly the speed of light for an observer. Einstein here apply the trick of Lorentz transform to give credibility of speed of light postulates. Michelson - Morley experiment then re evaluated with this idea and null result explained guite easily. The necessity of Aether was firmly rejected and theory of relativity prospered. But the question of TIME and its actual meaning and the dynamics of time remained unexplained. We also see TIME as an entropical variable in our entropy concepts but Einstein by one sweep merged TIME as fourth dimension to have SPACE-TIME CONCEPT and further he even tried to visualize convoluted space-time as the guiding topology for matter to appear as gravity and the theory is successful. When quantum physics developed and strange things like entanglement and superposition and cat dead or alive at the same time etc were being discussed, he failed to accept the spooky action at a distance.

All these are due our no understanding and application of absolute time in quantum physics.

Things and processes in quantum take an absolute time path due to lattice pair interaction and we do our experiments in dilated measured time prescribed by Einstein and get confused of entanglement . Information is flowing in absolute time which is much much faster than measurement dilated time . Einstein is wrong in saying information can not flow faster than speed of light as he understood the speed of light.

SO TIME IS A GREAT CONFUSION IN MODERN PHYSICS.

Another thing to ponder is the pilot waves as shown by Schrodinger equation generated by uncertainty principles on the gravitoetherton superfluid and guiding each quantum effects point to point in space. This is nicely explained in guiding droplets in oil bath experiment. each space point is so dynamically changing by the swirling and whirling of this dark fluid that every quantum outcome point to point in any experiment. The outcome each time is dependent on hidden variables definitely following cause and effects and deterministic but we wrongly adopt copnhagen interpretations. The variations are in narrow range and as such chaotic determinism of large outputs as described by Max Born by probilistic interpretations without understanding the guiding pilot waves have given us a copenhagen interpretaion. EINSTEIN IS RIGHT IN SAYING ...GOD DOES NOT PLAY DICE. There is no escape from cause and effects and superposition of wave particle duality is also a wrong Particles do have a definite position on the wave as an wavicle and there is understanding. no collapse of the wave function. Pilot theory is the right approach to rescue quantum physics from copenhagen interpretation and I have published many papers revising concept of time without abandoning cause and effects. OUR IGNORENCE IN HIDDEN VARIABLES CAN NOT LAND US IN COPENHAGEN INTERPRETATIONS.

A New Theory of Gravity with Modified Interpretation of Dark Matter and Dark Energy and Some Associated Outcomes on Standard Model in Prescribing Fundamental Forces. The greatest puzzle today is dark matter--dark energy and mechanism of gravity. We are living on a planet which is located in a part of our universe of super cluster, which is under dark pull/flow from another universe giving drift velocity from existing universe. This has affected our observations by telescopes in the form of incorrect red shift and calculations. Our universe is expanding and accelerating but at reduced rate from our calculations. Another factor is due to our matter universe inside an antimatter universe on opposite entropy path and reverse arrow of time creating gravitoetherton superfluid at common boundary by annihilation and injected into both the universe as explained in my balloon inside balloon theory. The outer universe will be approaching low entropy when misbalance will give rise to a big bounce creating again mirror universes in recyclic and rebounce theory. Now we should think of space as a swirling, whirling exotic medium containing dark matter and dark energy which is non isotropic in field density in the deepest sense and we with all baryonic entities are immersed in it as fish in water. Time is just measurement of an entropical variable which is influenced by a resultant tensor value created by gravity potential as well as speed of the reference frame. So time is just a variable point to point controlling the macro processes reflected in relativity theory but micro quantum jumps in quantum physics follow an absolute time which exists only in theory but as there is no absolute frame in this univere, we can not measure it by any experiment.

This confusion in time is the main reson for the conflicts in quantum physics and relativity theory. The

difficulties in Quantum Physics due to copenhagen interpretation is broadly ignoring the pilot waves generated by the gravitoetherton superfluid, we call space. Einstein also ignored the underlying concept of Aether and tried to visualize the time as a dilating variable as a dimension along with space known as convoluting spacetime where curvature is the guding path of matter looking as gravity. But actually the exotic superfluid is swirling, whirling and flowing with massive fermion gravitons having 750 proton mass giving a look of a curvature. These fermion graviton has a directional push on molecules and we see planets rotate or apples fall. Therefore gravity is emergent and not fundamental force. Again the superposition concept of dead or alive cat or even wave-particle duality and role of observation in collapsing the wave function is not properly understood. The basic underlying structure of space is nothing but a dancing superfluid named gravitoethertons which is never static due to uncertainty principles and Schrodinger developed his wave equation simply by applying simple harmonic vibrating string ..

This is the backbone of quantum mechanics but when de Broglie tried to visualize the same with any matter particle we see certain non consistencies as explained below. We can easily deduce that propagation speed is two times the matter wave speed of de Broglie. This is not the matter waves but another waves created by pilot waves can give us new direction for revisiting copenhagen interpretation.

Pilot waves are realistic waves associated with the entities as explained by Bohmian mechanics due to dancing of the bed rocking on dynamical gravitoethertons . So all entities propagate with a Bohmian pilot wave and small elementary particles are affected so much to give a look of wave - particle duality or even superposition. Observation just spot the position at a given instant to qualify in a result on a particular point on the wave and we wrongly say collapse of wave function. Everything is a cause and effect but we must also note that every point in space so dynamically changing every instant that there is no exact outcome which we refer as chaotic determinism in a very narrow range and Max Born understood this in formulation of probability waves .

Entanglement in quantum reality is another area of confusion... We

donot measure the two observations of quantum spin of any twin particles separated by a long distance in absolute theoretical time but dilated relativistic time of Einstein. We forget here that information flows through lattice pair interaction of space in absolute time and not relativistic. The propagation of

A Revised Vision for Gravity: - This big bounce is described by Dr.Guth in his exponential inflation. After around 380000 years, we will see CMB glow and galaxies will be forming around escaped evaporation black holes from previous era as seeds of galaxy formation. That is why we see black holes in every center of galaxy and much older than the life of our universe. CMB glow also shows circles of the bounce and BICEP-2 also carries some foot prints. Therefore this injection of gravitoetherton superfluid is our expanding space swirling, whirling, flowing as curls and divergent vectors more specifically tensor flow in 4 dimensions of space-time which Einstein described as special and general theory of relativity with the assumption of gravity due to curved space-time. This is what we refer as quantum foam in quantum mechanics. There is nothing like empty space in our universe but the distribution is non-isotropic field density point to point in space-time. Many exotic particles/fields constitute the Space Fluid where fermion graviton with mass and boson gravitons giving strong nuclear force for quarks will be detected soon. Gravity as well as strong nuclear force both are emergent in nature and not fundamental. Boson gravitons are having by nature strong force to glue quarks if the quarks are available. Otherwise it just participates in expanding our universe. That is why we see 120 order mismatch in our vacuum energy calculations. On the other hand, we see that as the galaxy disc is rotating, the centrifugal force throw the massive fermion gravitons away from center of galaxy giving greater concentration at outer periphery , so that outer stars rotate defying Newton. So we have to write the equation as F=P.G.Mm/R.R where P is space graviton factor index. Now we know that fermion gravitons are flowing like raindrops on earth or we may say flowing like arrows towards center of earth. Earth center is becoming very hot with molten iron for creating a magnetic dynamism all molecules on earth are subjected by the push of massive gravitons so that apples fall and as Galileo first noted that all molecules heavy or light fall equally. That means we can say that as area of a sphere varies by 1/ R.R, so the force of gravity will also depend on the proximity of gravitons changing by a factor 1/R.R as the concentration increases towards center. It is obvious that for falling equally, we have to say that M/ D.D of any molecule is constant at any particular height where D is diameter of any molecule and M is mass. We have seen air bubbles change diameter as it comes out from bottom of a pond to the surface due to gravity potential. Some calculation suggests that fermion gravitons must be having 750 proton mass. I do not think that fermion gravitons have negative mass as it will create mess in quantum calculations of virtual particles at quantum foam in QED and QCD. But more discussions may clarify the matter further from renewed experiments. The concept of time in relativity and quantum mechanics is definitely creating all our conceptions in reality diluted. Our universe is ever dynamic without any absolute rest frame and as such all frames are relatively dynamic and Einstein talks of a time which is measured time varying from frame to frame. Example we can say that if our heart beat count one minute then at sea level it may be 70 but on a hill it will be say 72. As such here one minute is diluted due to less oxygen in air giving 70 or 72 beats. Therefore the concept of time is measurement time and not absolute time. As such absolute time is theoretical concept which newton prescribed. But all quantum processes follow absolute time but the measurement dilutes it in atomic clocks. Therefore there is no possibility of marrying quantum physics with relativistic calculations. We have already seen how relativistic calculation in quantum physics by Dirac, Heisenberg and others created all conceptual difficulties of uncertainties but Einstein said that god does not play dice. Actually we do not know each and every hidden variable in each point of the universe and as such initial conditions dictating the outcome. Quantum outcome of quantum processes. But propensity of processes follows a pattern if we look at many outcomes in probabilistic theory as we also see in flipping of coins. Though each quantum outcome is different due to changing dynamic hidden variables but we must say it follow a cause and

effect in each outcome. The initial conditions are so dynamically changing in a narrow range but probabilistic many outcomes can give a pattern for our understanding. Therefore Einstein is correct in saying God does not play dice. We cannot not say that god is playing dice. Time is great confusion in modern physics. The understanding of reality is our perception in this infinite universe of infinite balloon inside balloon of matter and antimatter on opposite entropy recyclic, re bounce and every epoch gives a set of laws and if the laws are benign then intelligent creatures may live on a earth like planet to ponder about the universe. One most interesting phenomena is that the laws of nature has a propensity for construction which give a chance for formation of structures and creatures and life and may be that is our GOD.

The time and space should be regarded as absolute as prescribed by Newton for developing corrections in Quantum Physics. The space we see is a part of our universe in a multiverse which has no limit. As such space should be considered as container and absolute filled with non-isotropic gravitoetherton superfluid swirling, whirling, flowing etc and all objects and entities are immersed in it. Everything like fish in water. Time is a local variable in this space as prescribed by Einstein when we measure it. Our concept of time is a dilated measured time which is an illusion of absolute time. Plato described this illusion of observation in his allegory of caves story. Einstein only mentioned about this variable time in respect of reference frames and effect of gravity in his time dilation theory. Gps system proves Einstein so we are certifying Einstein. The problem is that our universe is ever dynamic without any absolute rest frame. We cannot measure absolute time except in theoretical calculations and understanding. But we cannot ignore absolute time in quantum calculations. Einstein postulated about speed of light which he considered about the smeared electromagnetic waves and not photon by photon with a specific time of exit tag from the source. This thinking gives the speed of light same by all inertia frames an observer which contradicts Galilean transform from simple logic. But can we say that in reality the Galilean transform is violated. If we consider light as a flow of photons with different exit time tags for each photon. Here the trick of applying Lorentz Transform and surely the observations of smeared EM waves light by instruments also certify the Relativity theory of Einstein. As such wave particle duality has given our modern physics. An illusion of duality and uncertainty which even Feynman failed to understand. Therefore we have to discuss modern physics in the right perspectives beyond relativity theory. There is even no reason that information cannot flow faster than speed of light. Speed of light is due to Maxwell electromagnetic theories but information is carried/propagated by another kind of waves which is consciousness waves of observers and that is much faster than speed of light. There is nothing magic in quantum entanglement or observers effect in quantum physics. Our ideas must develop further to go beyond Einstein and standard model. The effect of observing in quantum physics should be fully explored by further research on consciousness. How our consciousness take a physical shape in the form of propagation at a speed much higher than speed of light is being investigated .We must admit that relativity theory can enforce limit on the speed of light but information can propagate much faster than speed of light and Einstein must be wrong in saying that nothing propagates faster than speed of light.

Quantum mechanics describe the interactions at the subatomic scale of atoms and molecules set against the background of gravitoetherton superfluid which is supplying the virtual particles which is

applied in QCD/QED calculations of Feynman. Obscure wave function of Schrodinger and further extensions to matter waves by De Broglie cannot be a real quantum world interpretation but an way of coding our observations in subjective beliefs for an abstract quantum description on the wave function .Then do we have to abandon cause effect in all such fantasies in quantum entanglement or probabilistic interpretation of Copenhagen lobby or should we try to explore hidden variables as prescribed by Einstein? The main difficulty here is time taken for Quantum calculations from relativistic approach is creating errors from time dilation and the dynamical system of space-time is changing point to point in space creating the birth of quantum effects in chaotic determinism of highly sensitive in hidden conditions of variables giving output of an illusion of disobeying cause and effects. We deal with the probabilities as described by Max Born for an interpretation always undergoing a feedback loop patterns for a statistical outcome of all such disorganized cause and effects for a pattern which is verified by quantum experiments. The probabilistic wave which is nothing but a deterministic chaos due to a very inherent law of nature which we may call propensity for reconstruction even under second law of thermodynamics. That is why we see chaotic determinism even in extreme conditions of emerging life from uncertainty .The outcome of natural laws also is due to this propensity of reconstruction in a pocket of the multiverse where Higgs field is just appropriate with a benevolent tuning for evolving natural laws which we normally think that never changing. We are blessed with the benevolent natural laws with fine tuning at this juncture of infinite time and our godly lock position of planet earth and many accidents on earth wiping out very big animals so that a suitable life can form for intelligent beings to ponder about our existence.

Suggestions to relook on our experiments:

Double slit experiment with electrons one by one can even result into an interference pattern, just by deflecting at the edges from a casimir effect /electronic repulsion from electrons on the metal wall. The electrons passing by touching the edge bound electrons of molecules may deflect the path of the electron. But change of pattern from observation effect may be explained by mere a means of avoiding the edges due to photonic intervention not allowing the deflection of path. Entanglement may be explained by instantaneous interaction of lattice neighboring pairs in tensor flow of information from point to point on absolute theoretical time creating an illusion of entanglement in dilated observed time. Is it not possible that de Broglie is wrong in assuming matter waves and consequent development of uncertainty principles?

Then if relativistic time cannot be applied for in such delicate quantum tensor network flow of propagation in absolute time of lattice interacting in all degrees of freedom in this big Hilbert space creating all such effects of entanglement keeping cause and effects, where we may someday derive a better theory for quantum reality pilot waves are nothing but the bed rocking jittering of the space superfluid causing the entities to dance following Schrodinger equation. There is nothing astonishing about it as uncertainty principles demand that and particles are behaving like wavicles. Wave-particle duality is a misunderstood concept giving rise to superposition. Entanglement is just propagation of information in absolute time with PAULI EXCLUSION PRINCIPLES but we are measuring in relativistic time. Copenhagen interpretation is to be relooked and further discussed according to my theories. MODER

N PHYSICS IS GOING THROUGH A CRISIS PERIOD OF WRONG INTERPRETATIONS OF COPENHAGEN ALONG WITH A NOT SO REALISTIC BUT FRUITFUL RELATIVISTIC THEORY FOR VISUALIZING OUR UNIVERSE IN COMMON SENSE OF CAUSE AND EFFECTS WITH A FALSE UNDESTANDING OF VACCUM.