

OUR UNIVERSE , CAUSE AND EFFECTS ,SEARCHING FOR A
FUNDAMENTAL AND THE MECHANISM OF GRAVITY.

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. Abstract:
..... Standard model
given us a basic understanding of twelve matter carrying fields and four
force carrying fields to visualize actions and reactions in a quantum
vacuum field of HIGGS FIELD LHC detected Higgs
field and a Nobel prize was given. But we are not
sure about the kind of HIGGS as described in standard model and a lot
of questions cropping up. It is clear
from standard model understanding that our universe is a sea of many
matter and force carrying fields swirling and whirling as an exotic super
fluid which I named gravitoetherton super fluid. There is
no reason to believe that this field density should be isotropic as
prescribed by Einstein as COSMOLOGY CONSTANT. So quantum
vacuum is basically a bubbling froth/entity, where the drama of all
interactions take place . We also think that virtual particles appearing
and disappearing to keep the account clean in calculations of QCD/QED
from Fdiagrams.....
But the greatest puzzle of 120 order magnitude remains without any

There is no accepted point of view in gravity mechanism due to lack of data. In the year 2002, I published a few papers namely, 1// ETHER=GRAVITY=DARK ENERGY THEORY OF GRAVITOETHERTON SUPER FLUID UNIVERSE. 2//BALLOON INSIDE BALLOON THEORY OF MATTER AND ANTIMATTER UNIVERSES ON OPPOSITE ENTROPY PATH AND REVERSE ARROW OF TIME.

I imagined our matter universe inside an antimatter universe on opposite entropy path and reverse arrow of time giving rise to a re bounce ,re cyclic scenario instead of a BIG BANG.....

The common boundary of these two universes is violent due to annihilation of matter and antimatter where an exotic mixture of some force carrying particles as well as quarks are generated and injected into both the universes for growth. Long after we even got some indications of a parallel universes in dark flow or darkpull.

Now the question of what is fundamental is being discussed in science forums and I beg to state that the situation when one universe in my theory reaches a very low entropy, a BIG BOUNCE will give Dr. Guth an exponential inflation.

The most fundamental is the force of rebound and this force will decide the configuration of quarks , namely TeTRA QUARK OR PENTA QUARK etc etc giving the laws of nature accordingly to manage the situation afterwards.

I do not have a good mathematics for describing how the tetra quark or penta quarks form , from the initial BIG BOUNCE OR EVEN THE LAWS OF NATURE.

Then we know as happened in our universe of galaxy formation around escaped evaporation black holes from previous era as seeds -may be after 400000 years .

The evolution of our universe thereafter is described in our model .

I WILL NOW EXPLAIN THE THE SWIRLING AND WHIRLING , FLOWING ETC ETC OF THIS GRAVITOETHERTON SUPERFLUID WHICH EINSTEIN DESCRIBED CURVING OF SPACE-TIME. The two most important constituents in gravitoetherton super fluid are FERMION GRAVITONS FOR NEWTONIAN GRAVITY AND BOSON GRAVITONS FOR STRONG NUCLEAR FORCE in proton pulp atomic model. .

Let me stress here that gravitoetherton super fluid is non isotropic field density due to concentration of gravitons. In my theory, the fermions gravitons have a mass of 750 proton mass,calculated from the observed acceleration due to gravity on earth surface. These FERMION GRAVITONS are very very small in size

but heavy and only effect is gravity push towards its direction of flow. On earth surface the fermion gravitons are flowing like arrows towards center of earth and pushes all molecules so that there is equal fall of heavy or light molecules.

The fermion gravitons are gradually getting concentrated as it flow towards center of earth. THE SPHERICAL AREA GETTING REDUCED BY A FACTOR $1/R.R$ WHERE R IS THE DISTANCE FROM CENTER OF EARTH. THEREFORE THE MOLECULES MUST ADJUST SIZE FROM THE CENTER OF EARTH TO SUSTAIN A CHANGING FORCE ON IT FROM FERMION MOLECULES FOR A EQUAL FALL. ALL MOLECULES FALL EQUALLY ALSO AVOGADROS THEOREM IS VALID. THEREFORE AS ALL MOLECULES HAVE DIFFERENT MASS AND VOLUME , WE CAN DERIVE THAT $M/d.d$ FOR ALL MOLECULES MAINTAINS CONSTANTCY FOR EQUALL FALL. HERE M IS MASS AND d is diameter OF ANY MOLECULE AT ANY PARTICULAR HEIGHT. BUT AS THE MOLECULES FALL , WE OBSERVE THE PUSH OF FERMION GRAVITONS INCREASE ,SO THAT DIAMETER OF ANY MOLECULE DECREASE TO MAINTAIN THE RELATION..FORCE=MASSXACCELERATION.

..... THIS IS PUSH GRAVITON THEORY. IF WE WISH, WE CAN REVISE NEWTON AS $F=P.G.M.m/r.r$ where P is space graviton concentration factor.

The center of earth is getting focused fermion gravitons giving a molten magnetic core. Now the galactic rotation curves as observed by Dr.Rubin is explained . The galaxy disk of gravitoetherton superfluid is rotating as a CENTRIFUGE , thereby the FERMION GRAVIONS are locating more and more from the center of the disk towards periphery allowing the outer stars to rotate as observed defying Newton.

So standard model description of graviton is wrong and soon we will find a heavy particle having 750 proton mass to qualify for FERMION GRAVITON. As such the mystery of DARK MATTER is solved as FERMION GRAVITONS ARE DARK MATTER IN ITSELF.....

From this discussion it is obvious that in a chanced BOUNCE with right jerk force of BOUNCE , we will get right balance of quark configuration and consequent natural laws to allow formation of universe with tuned laws and configuration of quarks in matter formation so that a planet like earth may develop to harbor intelligent life to ponder about our universe and the question -What is FUNDAMENTAL.

Modern physics had a hard time in describing the space around us and with the

concept of great AETHER. The question of absolute void ,, devoid of anything , any matter, any force any dynamism but absolute dead lifeless entity of absolute nothing was the point of consideration and many debates were arranged without any absolute judgement.....

In the days of NEWTON , light was considered waves and as a result , we assumed something omnipresent as ETHER. But when Einstein developed

photoelectric effect theory, the light was also considered as photons flow .

The double slit experiment given us many new realities of nature and the wave particle duality of light as well as matter particles cant not be properly understood if we do not understand the space around us where all the drama of events taking place .

On the other hand , we know how quantum physics considers vacuum as frothing bubbles of something which is highly dynamic giving birth and death of virtual particles so that calculations in QCD/QED keep the account clean in quantum physics. Casimir effect was also known . Dark matter and dark energy was also discovered from cosmology observations . Soon Higgs boson was also seen in LHC and standard model came to a point when the total seventeen fields of standard model failed to describe what is all these dark energy and dark matter or even what is the mechanism of gravity.

The COSMOLOGY CONSTANT idea of Einstein soon proved basically wrong because there may not be any constant nature of these strange dark behavior in accelerating expansion of the universe.....

We can not also assume that vacuum has energy which is getting increased by expansion of space not diluting though volume increasing further with constant nature as prescribed by quantum physics. Everything now in doldrums indicating a NEW PHYSICS necessary.

All our considerations in MODERN PHYSICS when there is a mismatch of 120 orders of magnitude in our calculations should now be discussed in developing a NEW PHYSICS. In the year 2002, I established a research named -HOME

RESEARCH ON GRAVITOETHERONS on my own and published few papers namely---ETHER=GRAVITY=DARK ENERGY THEORY OF GRAVITOETHERON SUPERFLUID AS NON ISOTROPIC SPACE AROUND US. And BALLOON INSIDE BALLOON THEORY OF MATTER AND ANTIMATTER UNIVERSE ON OPPOSITE

ENTROPY PATH AND REVERSE ARROW OF TIME. Etc etc

The main idea was to look for a new vision beyond SR and GR of EINSTEIN and highlighting the flaws in quantum mechanics.....

The gravity was relooked as emergent phenomena due to presence of FERMION GRAVITONS push in the direction of flow on matter molecules . It was calculated from molecules fall rate which is acceleration due to gravity by the push of fermion gravitons flowing as arrows to wards center of earth. Thus fermion gravitons were found 750 PROTON MASS and as such dark matter in itself.

Newtonian gravity is not a fundamental force but emergent phenomena. Even the theory suggests that strong nuclear force is also emergent phenomena due to BOSON GRAVITONS . Further PULP PROTON atomic model suggests that nucleus of atoms is basically a cloud of positive charge waves around central core neutrons giving a new look to strong nuclear force and action of gluons which is boson gravitons on quarks. ..

These are some of the developments to discuss and develop NEW PHYSICS with the help of LHC.

There is no doubt now that basic fundamental quarks and the entity named charge -positive or negative which culminates in even color charge in quarks formation are not understood from quantum physics and all rest phenomena like magnetism etc are emergent from fundamental.

I am not from physics community but with some basic knowledge, I can see that standard model though very successful and theories of Einstein though revolutionary , we have to further work without the concepts of EINSTEIN but a new look of an exotic medium like gravitoetherton super fluid consisting of many exotic force carrying and matter carrying particles we call space and the dynamics may be super fluidic entropical jumps on local variable time based on local gravity potential and relative speed of reference frame .

Here the broad ideas of time is coming into consideration. We have to detach time from space-time concept of Einstein. Time is not absolute and relative point to point . Time is just a measurement of that variable at that point in space due to gravity potential and relative speed of that reference point. There is nothing absolute in our universe as all are in constant dynamism and measurement is just a local phenomena and as such time dilation is actually measurement dilation .

There is no point in philosophical discussion on time as it is a variable at any space

point and we are measuring everything relatively at that point and even time can totally vanish due to no entropical march point to point..

At any point in space ., time is snap shots of events on entropical as well as gravity based dance on Planck time obeying quantum laws of uncertainty but I BELIEVE THAT A CAUSE AND EFFECT EXIST ,SO THAT FUTURE IS DETERMINISTIC . We can not totally disregard cause and effect though there may not be possible to exactly know all cause and effect . Quantum physics will be further developed to take care of cause and effects.

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CONCLUSION: However we have to take clues from some abnormalities in standard model. We have no reason to believe that all the four forces namely, gravity, electromagnetism, strong and weak nuclear forces are all FUNDAMENTAL. In my various theories, I have mentioned that there is no force as FUNDAMENTAL. GRAVITY IS EMERGENT DUE TO DIRECTIONAL PUSH BY FERMION GRAVITONS HAVING 750 PROTON MASS AND BY A MONO MAGNETIC COUPLING ON ALL MOLECULES CAUSING ALL MOLECULES TO MOVE IN THE DIRECTION OF ITS IMPINGEMENT IN ITS FLOW PATH . WE SEE APPLES ,, ORANGES ALL FALL EQUALLY AS ALL MOLECULES FALL EQUALLY. WE CAN CALCULATE M/D.D OF ANY MOLECULE IS CONSTANT AT A PARTICULAR HEIGHT . GRAVITY IS BASICALLY A PUSH FORCE EMERGENT IN NATURE. SIMILARLY STRONG NUCLEAR FORCE IS ALSO EMERGENT DUE TO VERY VERY STRONG COUPLING ON FRACTIONAL CHARGE QUARKS INSIDE ATOM TO ACT AS GLUE BUT OUTSIDE ATOM , WE KNOW THE WHOLE SPACE IS CONTAING THESE BOSON GRAVITONS HAVING INACTIVE STRONG COUPLING DUE TO NON AVAILABILITY OF FRACTIONAL CHARGES ... THIS IS THE REASON THAT OUR CALCULATIONS SHOW 120 ORDER MAGNITUDE OF MISMATCH IN VACUUM ENERGY IN QUANTUM PHYSICS.

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.....THEREFORE DARK MATTER IS MASSIVE FERMION GRAVITONS ITSELF AND ALL FUNDAMENTAL FORCES ARE EMERGENT IN NATURE.