

REVIEW ARTICLE

HOW TO REVEAL THE NATURE OF DARK MATTER AND DARK ENERGY

*V.M. Das

Advanced Sciences, University of God, India

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ABSTRACT

It is being believed that our universe is filled with not only hot matter that forms galaxies but also dark matter (DM) and dark energy (DE) too. To reveal the nature of dark matter and dark energy, we have to understand how to make new model of the universe i.e. Hoyle Narlikar universe. The Hoyle Narlikar model of the universe designs two levels at which DM and DE could be revealed i.e. at micro level and at macro level. In creation physics we shall understand how nature created DM and DE at micro level i.e. energized gravitons and primary bosons forming energy pool of the universe. During making of new model of the universe we shall understand DM and DE at macro level i.e. Hyperons as DM forming CDM layer forming boundary of our universe expanding with velocity of light and Tachyons (one yang and many Yins) as DE as raw stuff beyond expanding universe up to infinity. Tachyons are not only forming hyperons as CDM layer by cold reaction but also they are transformed as hot matter of hydrogen clouds and radiation and forming Quasars at the periphery of visible universe.

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INTRODUCTION

Dark matter and Dark energy according to modern physicist

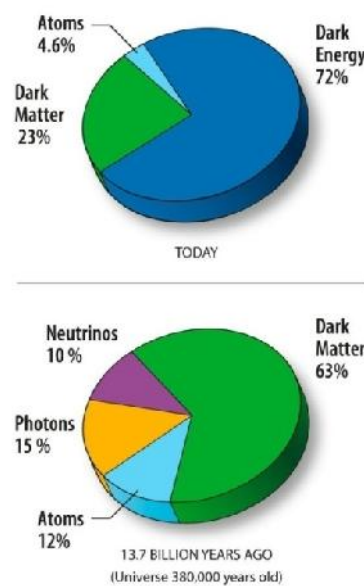


Fig. 1. Comparison of the contents of the Universe today to 380,000 years after the Big Bang as measured with 5 year WMAP data (from 2008). [79] (Due to rounding errors, the sum of these numbers is not 100%). This reflects the 2008 limits of WMAP's ability to define Dark Matter and Dark Energy

*Corresponding author: V.M. Das,
Advanced Sciences, University of God, India.

Dark energy (<https://en.wikipedia.org/wiki/Universe>)

An explanation for why the expansion of the Universe is accelerating remains elusive. It is often attributed to "dark energy", an unknown form of energy that is hypothesized to permeate space.^[70] On a mass–energy equivalence basis, the density of dark energy ($6.91 \times 10^{-27} \text{ kg/m}^3$) is much less than the density of ordinary matter or dark matter within galaxies. However, in the present dark-energy era, it dominates the mass–energy of the universe because it is uniform across space.^[83] as shown in Fig. 1. Two proposed forms for dark energy are the cosmological constant, a *constant* energy density filling space homogeneously,^[84] and scalar fields such as quintessence or moduli, *dynamic* quantities whose energy density can vary in time and space. Contributions from scalar fields that are constant in space are usually also included in the cosmological constant. The cosmological constant can be formulated to be equivalent to vacuum energy. Scalar fields having only a slight amount of spatial inhomogeneity would be difficult to distinguish from a cosmological constant.

Dark matter

Dark matter is a hypothetical kind of matter that cannot be seen with telescopes, but which accounts for most of the matter in the Universe. The existence and properties of dark matter are inferred from its gravitational effects on visible matter, radiation, and the large-scale structure of the Universe. Other than neutrinos, a form of hot dark matter, dark matter has not been detected directly, making it one of the greatest mysteries in modern astrophysics. Dark matter neither emits nor absorbs light or any other electromagnetic radiation at any significant level. Dark matter is estimated to constitute 26.8% of the total mass–energy and 84.5% of the total matter in the Universe.^{[69] [85]}

Ordinary Matter

The remaining 4.9% of the mass–energy of the Universe is ordinary matter, that is, atoms, ions, electrons and the objects they form. This matter includes stars, which produce nearly all of the light we see from galaxies, as well as interstellar gas in the interstellar and intergalactic media, planets, and all the objects from everyday life that we can bump into, touch or squeeze.^[86] Ordinary matter commonly exists in four states (or phases): solid, liquid, gas, and plasma. However, advances in experimental techniques have revealed other previously theoretical phases, such as Bose–Einstein condensates and fermionic condensates. Ordinary matter is composed of two types of elementary particles: quarks and leptons.^[87] For example, the proton is formed of two up quarks and one down quark; the neutron is formed of two down quarks and one up quark; and the electron is a kind of lepton. An atom consists of an atomic nucleus, made up of protons and neutrons, and electrons that orbit the nucleus. Because most of the mass of an atom is concentrated in its nucleus, which is made up of baryons, astronomers often use the term *baryonic matter* to describe ordinary matter, although a small fraction of this "baryonic matter" is electrons.

Soon after the Big Bang, primordial protons and neutrons formed from the quark–gluon plasma of the early Universe as it cooled below two trillion degrees. A few minutes later, in a process known as Big Bang nucleosynthesis, nuclei formed from the primordial protons and neutrons. This nucleosynthesis formed lighter elements, those with small atomic numbers up to lithium and beryllium, but the abundance of heavier elements dropped off sharply with increasing atomic number. Some boron may have been formed at this time, but the next heavier element, carbon, was not formed in significant amounts. Big Bang nucleosynthesis shut down after about 20 minutes due to the rapid drop in temperature and density of the expanding Universe. Subsequent formation of heavier elements resulted from stellar nucleosynthesis and supernova nucleosynthesis.^[88]

Particles

Standard model as shown in Fig 2 of elementary particles: the 12 fundamental fermions and 4 fundamental bosons. Brown loops indicate which bosons (red) couple to which fermions (purple and green). Columns are three generations of matter (fermions) and one of forces (bosons). In the first three columns, two rows contain quarks and two leptons. The top two rows' columns contain up (u) and down (d) quarks, charm (c) and strange (s) quarks, top (t) and bottom (b) quarks, and photon (γ) and gluon (g), respectively. The bottom two rows' columns contain electron neutrino (ν_e) and electron (e), muon neutrino (ν_μ) and muon (μ), tau neutrino (ν_τ) and tau (τ), and the Z⁰ and W[±] carriers of the weak force. Mass, charge, and spin are listed for each particle.

Ordinary matter and the forces that act on matter can be described in terms of elementary particles.^[89] These particles are sometimes described as being fundamental, since they have an unknown substructure, and it is unknown whether or not they are composed of smaller and even more fundamental particles.^{[90][91]} Of central importance is the Standard Model, a theory that is concerned with electromagnetic interactions and the weak and strong nuclear interactions.^[92] The Standard Model is supported by the experimental confirmation of the existence of particles that compose matter: quarks and leptons, and their corresponding "antimatter" duals, as well as the force particles that mediate interactions: the photon, the W and Z bosons, and the gluon.^[90] The Standard Model predicted the existence of the recently discovered Higgs boson, a particle that is a manifestation of a field within the Universe that can endow particles with mass.^{[93][94]} Because of its success in explaining a wide variety of experimental results, the Standard Model is sometimes regarded as a "theory of almost everything".^[92] The Standard Model does not, however, accommodate gravity. A true force-particle "theory of everything" has not been attained.^[95]

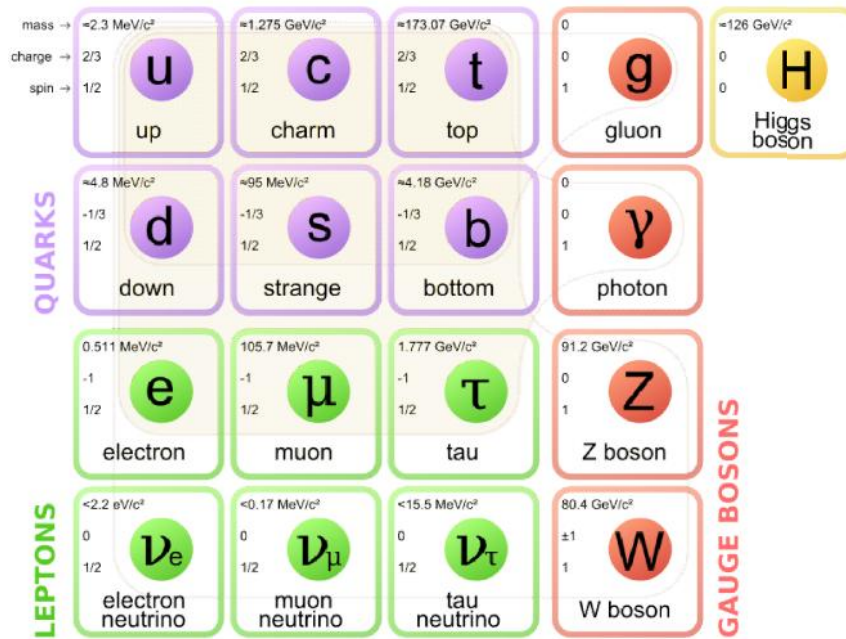


Fig. 2. Standard model of elementary particles: the 12 fundamental fermions and 4 fundamental bosons. Brown loops indicate which bosons (red) couple to which fermions (purple and green). Columns are three generations of matter (fermions) and one of forces (bosons). In the first three columns, two rows contain quarks and two leptons. The top two rows' columns contain up (u) and down (d) quarks, charm (c) and strange (s) quarks, top (t) and bottom (b) quarks, and photon () and gluon (g), respectively. The bottom two rows' columns contain electron neutrino (ν_e) and electron (e), muon neutrino (ν_μ) and muon (μ), tau neutrino (ν_τ) and tau (τ), and the Z⁰ and W[±] carriers of the weak force. Mass, charge, and spin are listed for each particle

Hadrons

A hadron is a composite particle made of quarks held together by the strong force. Hadrons are categorized into two families: baryons (such as protons and neutrons) made of three quarks, and mesons (such as pions) made of one quark and one antiquark. Of the hadrons, protons are stable, and neutrons bound within atomic nuclei are stable. Other hadrons are unstable under ordinary conditions and are thus insignificant constituents of the modern Universe. From approximately 10^{-6} seconds after the Big Bang, during a period known as the hadron epoch, the temperature of the universe had fallen sufficiently to allow quarks to bind together into hadrons, and the mass of the Universe was dominated by hadrons. Initially the temperature was high enough to allow the formation of hadron/anti-hadron pairs, which kept matter and antimatter in thermal equilibrium. However, as the temperature of the Universe continued to fall, hadron/anti-hadron pairs were no longer produced. Most of the hadrons and anti-hadrons were then eliminated in particle-antiparticle annihilation reactions, leaving a small residual of hadrons by the time the Universe was about one second old.^{[96]:244-266}

Leptons

A lepton is an elementary, half-integer spin particle that does not undergo strong interactions but is subject to the Pauli exclusion principle; no two leptons of the same species can be in exactly the same state at the same time.^[97] Two main classes of leptons exist: charged leptons (also known as the *electron-like* leptons), and neutral leptons (better known as neutrinos). Electrons are stable and the most common charged lepton in the Universe, whereas muons and taus are unstable particles that quickly decay after being produced in high energy collisions, such as those involving cosmic rays or carried out in particle accelerators.^{[98][99]} Charged leptons can combine with other particles to form various composite particles such as atoms and positronium. The electron governs nearly all of chemistry, as it is found in atoms and is directly tied to all chemical properties. Neutrinos rarely interact with anything, and are consequently rarely observed. Neutrinos stream throughout the Universe but rarely interact with normal matter.^[100] The lepton epoch was the period in the evolution of the early Universe in which the leptons dominated the mass of the Universe. It started roughly 1 second after the Big Bang, after the majority of hadrons and anti-hadrons annihilated each other at the end of the hadron epoch. During the lepton epoch the temperature of the Universe was still high enough to create lepton/anti-lepton pairs, so leptons and anti-leptons were in thermal equilibrium. Approximately 10 seconds after the Big Bang, the temperature of the Universe had fallen to the point where lepton/anti-lepton pairs were no longer created.^[101] Most leptons and anti-leptons were then eliminated in annihilation reactions, leaving a small residue of leptons. The mass of the Universe was then dominated by photons as it entered the following photon epoch.

Photons

A photon is the quantum of light and all other forms of electromagnetic radiation. It is the force carrier for the electromagnetic force, even when static via virtual photons. The effects of this force are easily observable at the microscopic and at

the macroscopic level because the photon has zero rest mass; this allows long distance interactions. Like all elementary particles, photons are currently best explained by quantum mechanics and exhibit wave-particle duality, exhibiting properties of waves and of particles. The photon epoch started after most leptons and anti-leptons were annihilated at the end of the lepton epoch, about 10 seconds after the Big Bang. Atomic nuclei were created in the process of nucleosynthesis which occurred during the first few minutes of the photon epoch. For the remainder of the photon epoch the Universe contained a hot dense plasma of nuclei, electrons and photons. About 380,000 years after the Big Bang, the temperature of the Universe fell to the point where nuclei could combine with electrons to create neutral atoms. As a result, photons no longer interacted frequently with matter and the Universe became transparent. The highly redshifted photons from this period form the cosmic microwave background. Tiny variations in temperature and density detectable in the CMB were the early "seeds" from which all subsequent structure formation took place.^{[96]:244–266}

1.2 Abundance of Helium [2]

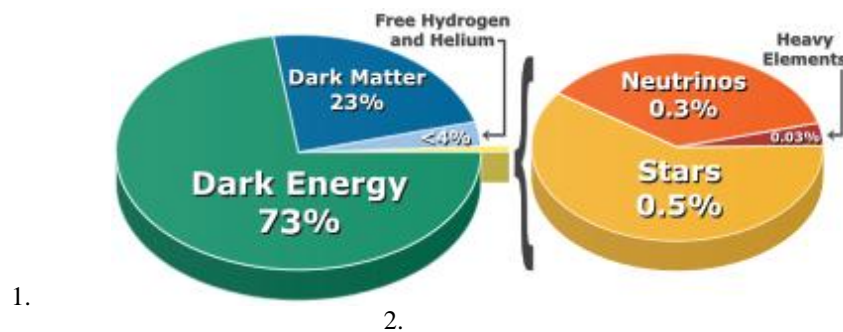


Fig. 3. Chart shows the proportion of different components of the universe – about 95% is dark matter and dark energy

Primordial gas clouds [2]

In 2011 astronomers found what they believe to be pristine clouds of primordial gas, by analyzing absorption lines in the spectra of distant quasars. Before this discovery, all other astronomical objects have been observed to contain heavy elements that are formed in stars. These two clouds of gas contain no elements heavier than hydrogen and deuterium.^{[71][72]} Since the clouds of gas have no heavy elements, they likely formed in the first few minutes after the Big Bang, during Big Bang nucleosynthesis. Their composition matches the composition predicted from Big Bang nucleosynthesis. This provides direct evidence that there was a period in the history of the universe before the formation of the first stars, when most ordinary matter existed in the form of clouds of neutral hydrogen

Abundance of primordial elements [2]

Using the Big Bang model it is possible to calculate the concentration of helium-4, helium-3, deuterium, and lithium-7 in the universe as ratios to the amount of ordinary hydrogen.^[22] The relative abundances depend on a single parameter, the ratio of photons to baryons. This value can be calculated independently from the detailed structure of CMB fluctuations. The ratios predicted (by mass, not by number) are about 0.25 for $4\text{He}/\text{H}$, about 10^{-3} for $2\text{H}/\text{H}$, about 10^{-4} for $3\text{He}/\text{H}$ and about 10^{-9} for $7\text{Li}/\text{H}$.^[22] The measured abundances all agree at least roughly with those predicted from a single value of the baryon-to-photon ratio. The agreement is excellent for deuterium, close but formally discrepant for 4He , and off by a factor of two 7Li ; in the latter two cases there are substantial systematic uncertainties. Nonetheless, the general consistency with abundances predicted by Big Bang nucleosynthesis is strong evidence for the Big Bang, as the theory is the only known explanation for the relative abundances of light elements, and it is virtually impossible to "tune" the Big Bang to produce much more or less than 20–30% helium.^[68] Indeed there is no obvious reason outside of the Big Bang that, for example, the young universe (i.e., before star formation, as determined by studying matter supposedly free of stellar nucleosynthesis products) should have more helium than deuterium or more deuterium than 3He , and in constant ratios, too as shown in Fig 3

In **quasars** where apart from formation of hydrogen atoms from tachyons, nature also formed some other elements from created hydrogen by unconditioned working of thought expressions. If we see spectrum of quasars, we could see those elements which are being created there. Quasar redshifts are measured from the strong spectral lines that dominate their optical and ultraviolet spectra. These lines are brighter than the continuous spectrum, so they are called 'emission' lines. They have widths of several percent of the speed of light. These widths are due to Doppler shifts caused by the high speeds of the gas emitting the lines. Fast motions strongly indicate a large mass. Emission lines of hydrogen (mainly of the Lyman series and Balmer series), helium, carbon, magnesium, iron and oxygen are the brightest lines. The atoms emitting these lines range from neutral to highly ionized, i.e., many of the electrons are stripped off the ion, leaving it highly charged. This wide range of ionization shows that the gas is highly irradiated by the quasar, not merely hot, and not by stars, which cannot produce such a wide range of ionization. Iron quasars show strong emission lines resulting from low ionization iron (FeII), such as IRAS 18508-7815. [3]

In nuclear chemistry terms, deuterium nuclei, ^2H , are very reactive. For several minutes the deuterium nuclei, ^2H , reacted by a variety of nuclear reactions to give a mixture of isotopes: ^3He , ^4He , ^7Li , along with the PRIMORDIAL ^1H and ^2H . A graph, from here, shows the (log) time EVOLUTION of the abundances of the light ELEMENTS:[4]

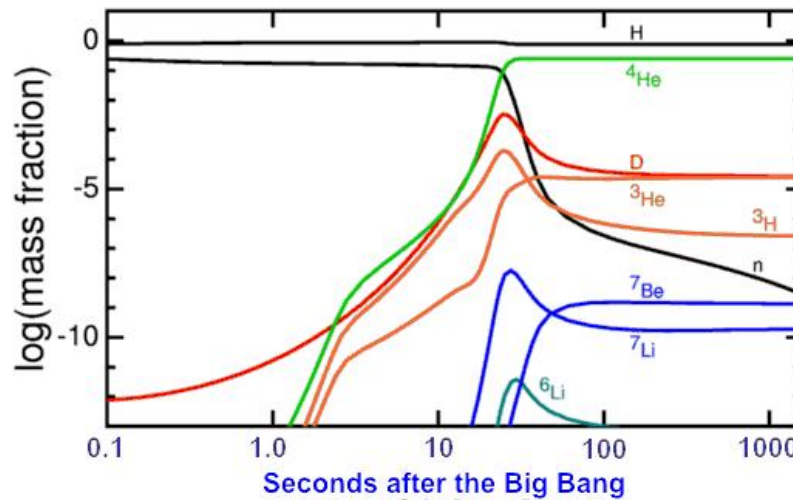


Figure 4. Ratio of H, H2, He3, He4, Li7 in early universe [4] As shown in Fig 4 The ratios of ^1H , ^2H , ^3He , ^4He and ^7Li in the early universe can be measured by astronomers – with considerable – and the numbers obtained CONSTRAIN the mass, temperature and density conditions at this epoch.[4]

It is to be noted that (These two clouds of gas contain no elements heavier than hydrogen and deuterium.^{[71][72]} Since the clouds of gas have no heavy elements, they likely formed in the first few minutes after the Big Bang, during Big Bang nucleosynthesis) along with hydrogen, helium was not created in quasar to begin with. Before pure hydrogen cloud or nebula gets into proto stars formation, helium too comes into play at the tune of 20- 30 %. It means formation of helium is being taking place while hydrogen clouds transforming into proto stars. This could only be possible by unconditioned working of nature during formation of proto stars.

Mind and Mass Realities [5]

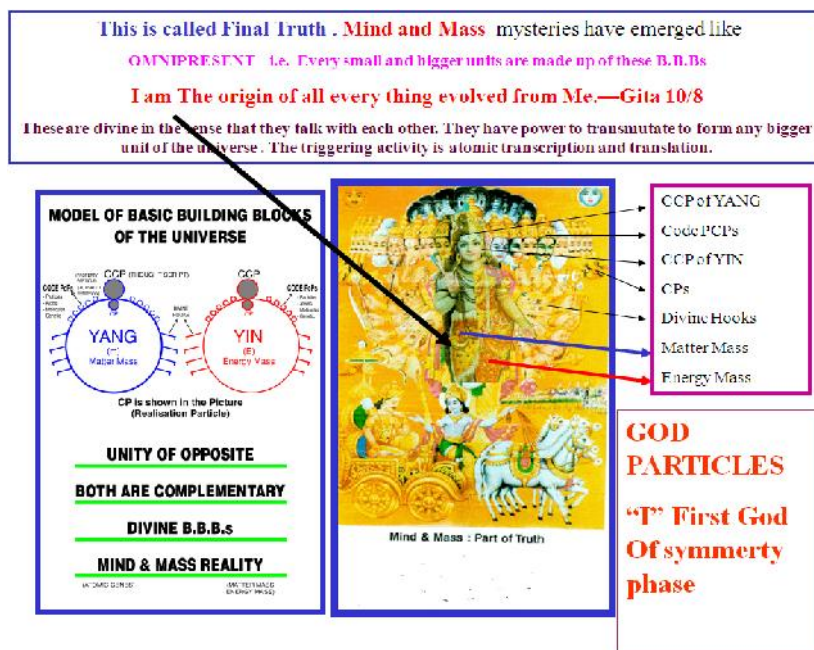


Fig. 5. Divine Mechanics Unit – CCP, CP and information s – Code PcPs with B-Bit – Mass

Atomic genetics is the branch of science where we investigate about fundamental interactions of the universe i.e. atomic transcription and translations. New words have been coined to understand hidden science of mind part of reality. Mind reality has been recognized as different faces by ‘I’ about 5000 years back to Arjuna in Mahabharata.(Fig 1) It is just like to understand any language through Alphabets. These are (different faces) Alphabets of mind reality. One Mind reality has one face identity and the second mind reality has second face identity and so on. The facial expression represents phenomenon of intelligence and different

faces represent different types of properties carrying property. The open eyes means property is activated while close eye means property is inactivated. In spite of carrying properties consciousness they also know how to conduct not only origin of universe but also how to create two different universe i.e. next creation could be different from this creation. In all, it is automatic system of the universe. The mind realities which are of good properties have devtas face identity (first five faces on both side) and those mind realities which are of bad properties have demons face identity (last four faces on both side) . These are named as code CCPs or messenger atomic genes. The central face is CCP or Thought script where all thoughts of the universe are banked . It is bank of data of all information s of the universe It is face identity of Anti mind particles as data of all information's of the universe are stored as anti mind particles . It is the Time mind ness (biological clock) that keeps on expressing different thoughts from this thought script (CCP) . There are four more faces (black bodies) shown on extreme left and right floating in fire are CPs (translating Atomic genes) . That translates the messages and realizes it and reacts accordingly. [5]

Messages from Biological world to understand B.B.B world as shown in Fig 6 [5]

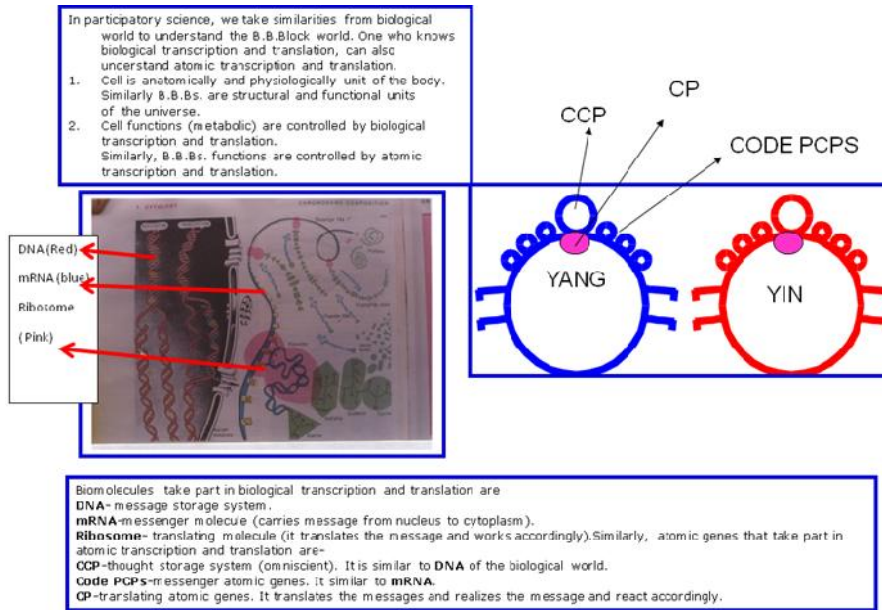
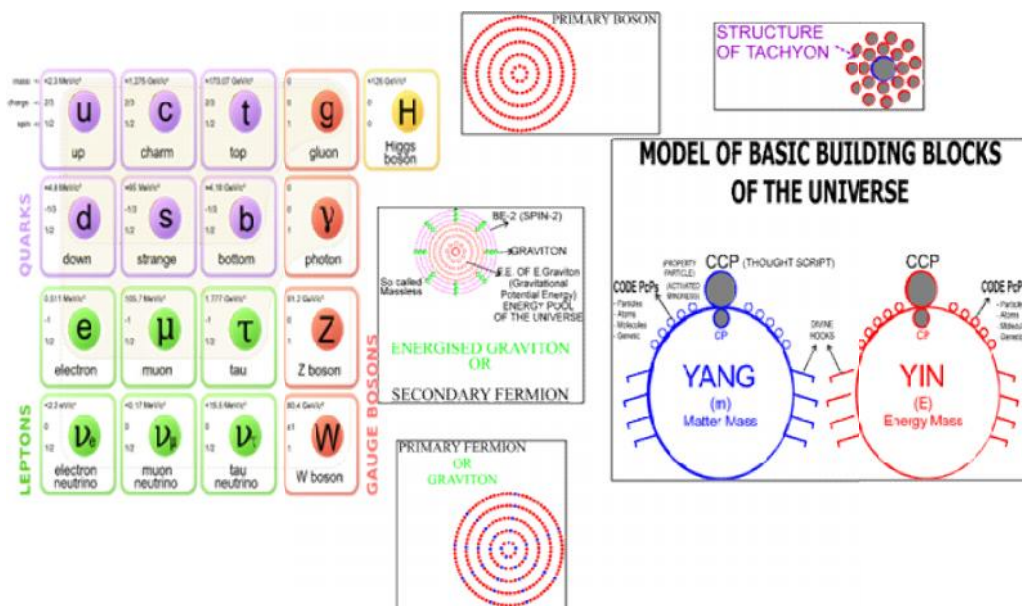


Fig. 6. Parallel teaching by participatory science

The standard model not only modified rather it has been completed [6] with introduction of energized gravitons , primary fermions, primary bosons, Basic Building Blocks , Mind and Tachyons as shown in Fig. 7.



Standard model completed with Fundamental particles and Mind And Tachyons

Fig. 7. Standard Model chart [6]

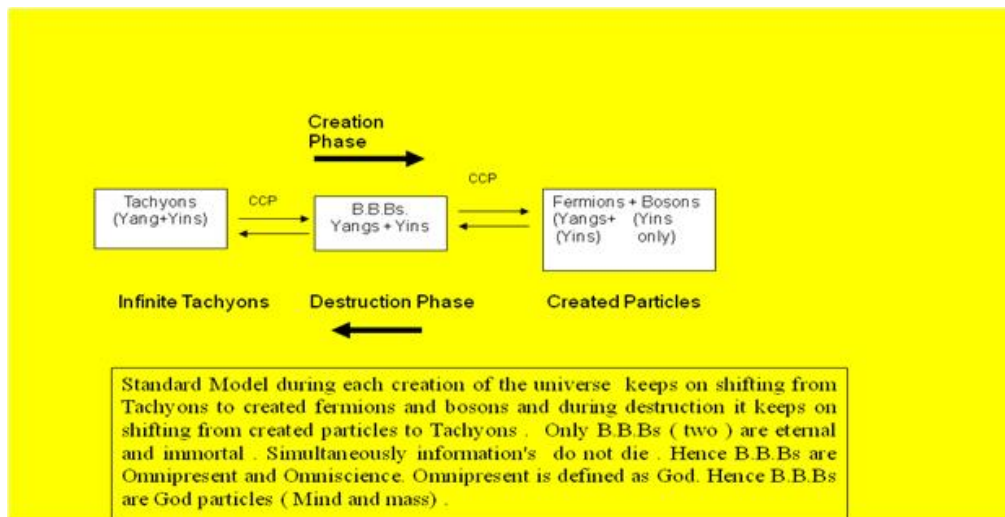


Fig. 7.1. One creation and destruction cycle [7]

Participatory science has coined [8] some new words and there are some words which already exist in physics. Both these words are defined here and the definitions are according to participatory science. It has no relation with the definitions given in modern physics.

1.Mass- The part which gives shape to the smallest mass unit i.e. basics building blocks (B. B. Bs.) is called mass.

2.Matter:-Mixture of fermions and bosons or only bosons which are made up of mass (B.B.Bs) and that is why we realize their shape is called matter.

3.Inertial mass:- Mass (smallest mass units i.e. B. B. Bs) having inertial properties (classical inertia) either absolute rest or uniform motion in straight line is called inertial mass. **Or** Number of B. B. Bs. Per unit space present in bigger units is called inertial mass. **Or** Total matter contained by the bigger units or total number of fermions and bosons contained by the bigger units is called inertial mass. Therefore it never changes from place to place.

4.Gravitational mass :- The mass (interacting surfaces) which takes part in gravity (divine energized gravitons theory) interaction (which is due to mind) is called gravitational mass. When gravity interaction increases (number of divine energized gravitons increases) the interacting mass (interacting surface) also increases or when interacting mass (interacting surfaces) increases, gravity interaction (number of divine energized gravitons) also increases. Therefore gravitational mass (interacting mass or surfaces) changes from place to place. It is the fed mind that decides gravity interaction. We shall discuss it in gravity chapter and in atomic genetics.

5. Pure m (matter) mass :-matter mass (smallest mass unit or B.B.B) which have got inertial property of absolute rest.

6. Energy mass:-Energy mass (smallest energy mass unit B.B.B) which have got inertial property of uniform motion in straight line and which also gives shape to the bigger energy mass (Higgs Bosons etc) units.

7.m (impure matter) of $E=mc^2$:-Matter particles (fermions) which have got spin property are called impure matter particles.

Prayer message formation in brain

In atomic transcription and translation of prayer [5], following steps take place on Yang B.B.B – B-Bit as shown in Figure 8.

1. CP removes RM (repressor mindness-green) from OM (operating mindness -orange) thus induction of atomic transcription triggers.
2. OM triggers activation of free mind particles (black -inactivated code PCPs) of that thought script (magenta) of “o god help me”.
3. Free mind particles (black -inactivated code PCPs) get attached to anti mind particles script (magenta one) to form messenger thought script of “o god help me”.
4. Messenger atomic genes (black) get activated by anti mind particles thought script and further they get detached from anti mind particles thought script to form activated messenger atomic genes (activated code PCPs) (magenta) of “ o god help me”
5. CP carries phenomenon of splicing by translating the messenger activated atomic genes (activated code PcPs) and finally there is activated message of “o god help me” is formed .
6. CP represses atomic transcription by adding RM (green) to OM (orange) . Thus atomic transcription gets halt.

Having formed the message it comes out in three form

In atomic genetic engineering (prayer) we use our basic power i.e. power of B.B.Bs. Our B.B.B. (higher center) talks with highest center of the universe by sending the message by first transcription. Till today nobody knows how does the brain generate thoughts. I am going to tell you that mystery too.

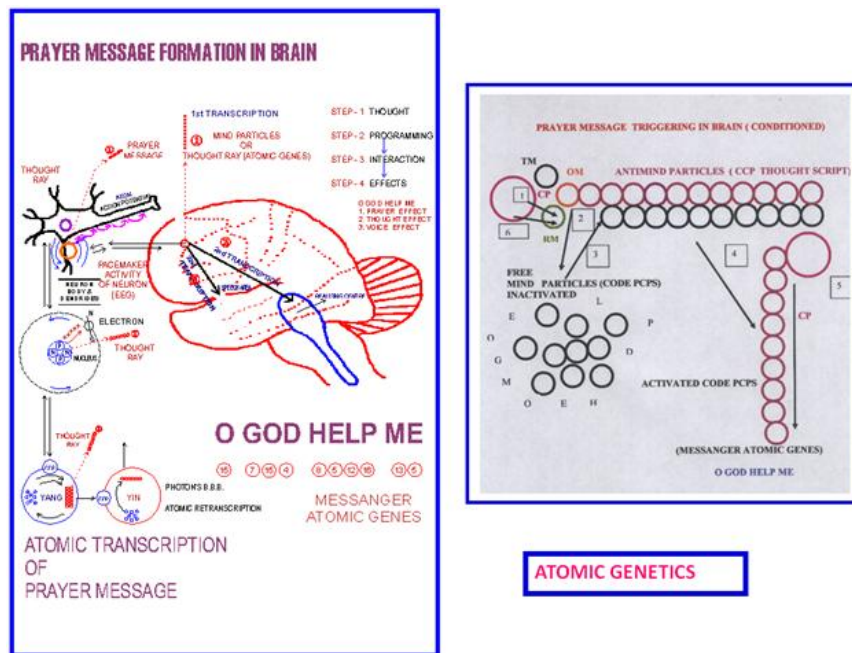


Fig. 8. Divine Mechanics - Prayer message formation in brain

In the frontal lobe the neurons are responsible for thought generation. In the neuron there is electrical activity called pacemaker activity which is occurring between dendrites and the body of the neuron. The membrane of the cell is made up of atoms and atom is made up of B.B.Bs. At the level of B.B.B. say thought of 'O GOD HELP ME' is expressed. As a result programmed messages of O GOD HELP ME (code PCPs) are formed. Out of three programmed messages, one is carried by atomic genes to highest center of the universe. It is called **THOUGHT RAY (Quantum entanglement)** which is made up of pure atomic genes and then the message goes through phenomenon called first transcription.

They come out from brain directly. The other two messages are carried by photons from nucleus of atom to electrons. Here they are modulated on electrical activity of the cell called pacemaker activity. Further they are modulated on actions potentials going towards **REALIZING CENTER** situated in brain stem (RAS) and from RAS to speech area situated in the frontal area. Target B.B.Bs. of the realizing center finally realizes thought effect of O GOD HELP ME. While from speech area message goes to motor cortex again via RAS and from there to vocal cords and finally it comes out as a speech effect of O GOD HELP ME. In layman's terminology formation of the thought ray means PRAYER as shown in Fig 4

Where Does Prayer Message go?

Prayer message goes as shown in Figure 8 to highest center of the universe via first transcription where it is realized and it is accepted, the highest center sends two messages to B.B.Bs working as higher center in cancer cell. These messages are message of inhibition of abnormal thought expression and message of activation of normal thought expression. Having received the messages, higher center stops expressing the abnormal thoughts and it starts expressing the normal thoughts. As a result, there are no more abnormal programmed messages and in place of that normal programmed messages are there. Now the messages have shifted from abnormal (5 and 6) to normal (2 and 3). This shifting of thought expression is called **ATOMIC GENETIC ENGINEERING** as shown in **Figure 8.1**

The changed messages reach to target B.B.Bs. through same route. Having received the changed messages, target B.B.Bs. stop expressing the previous programming and they start expressing the normal programming. As a result the cancer cells transmutate into normal cells. **Or diseased cell gets cured [9]** as shown in **Fig 8.1**.

Message system of the Universe

Before the origin of the universe [5] nature had only one type of message systems which is called **FIRST TRANSCRIPTION**. Messages (Code PcPs) used to go from one B.B.B. to another B.B.B. by atomic transcription. Messages were carried by atomic genes (Code PcPs) with very very high velocity. It is the fundamental message system.

After the origin of the universe, nature created atoms. It also created one more message system called **SECOND TRANSCRIPTION**. Here the message (code PcPs) are carried by photons from one atom to another atom with velocity of light. Thus atoms, molecules, cells, and even individuals talk with one another.

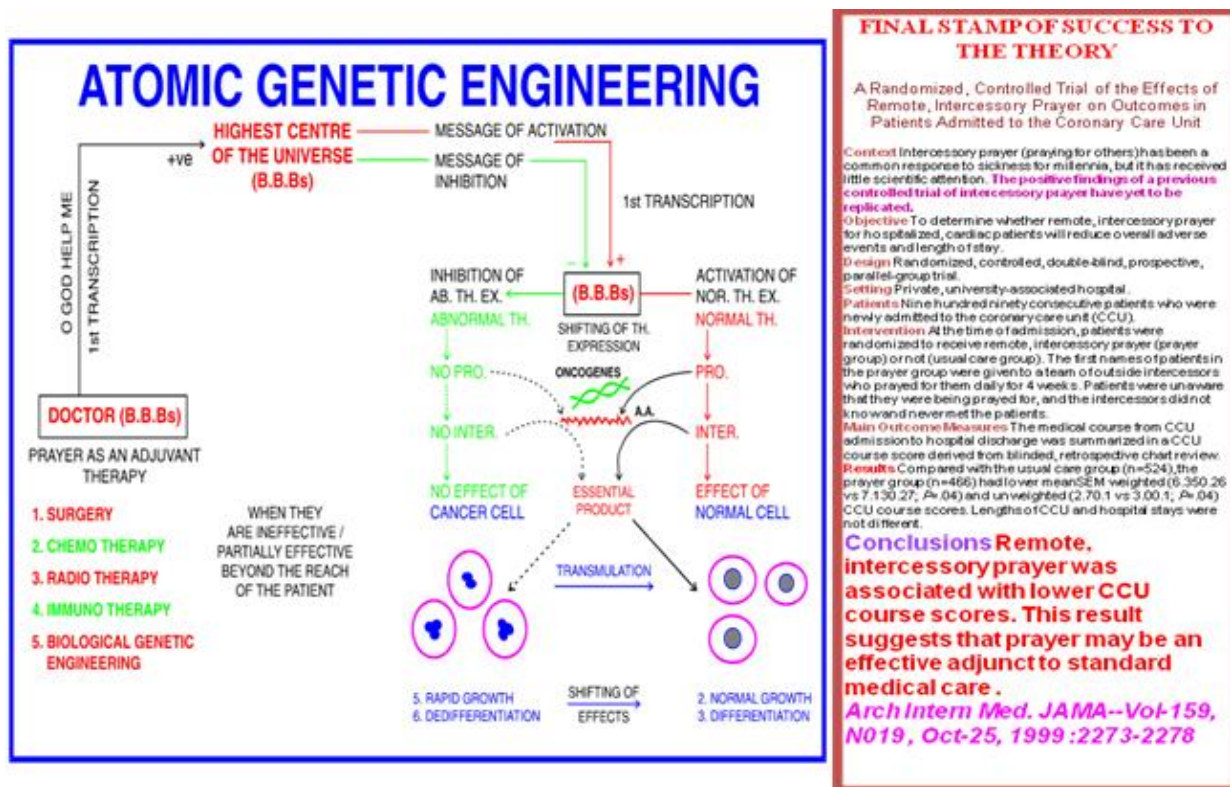


Fig. 8.1. A.G.E and Final stamp of success to New Theory[9]

After the formation of the cell, nature created one more system called **THIRD TRANSCRIPTION**. Here there is a message storage system formed by DNA. There are messenger molecules called mRNA that carry message from DNA script to cytoplasm where the message (code PCPs) is read or translated by ribosome and they work accordingly. Thus the messages reach to enzymes and hormones and finally messages reach to target units. Having received the messages, target units work accordingly. Finally life effects (metabolic) are observed. These three types of message systems are working in the nature. These message system are being used by the nature according to nature's need. As shown in **Fig 9**.

How does nature work & triggering of normal & abnormal effects

To understand creation physics as shown in Fig 10 and Fig 11. There are two types of thought stimulation [5]. One is **Conditioned thought stimulation** and other one is **Unconditioned thought stimulation**.

Stimulation of Thought Expression --- There are two types of thought expressions one is conditioned stimulation of thought expression, and other one is self stimulation of thoughts i.e. **Unconditioned stimulation** of thought expression.

At the time of the origin of the universe, all effects got created. The cause of all effects of the universe is **thought** expression. These thought expressions were triggered by **Unconditioned or self stimulated way**. It is the first step and it is followed by **Programming** or formation of programmed messages by code PCPs. This programmed message moves from higher centers to target B.B.Bs. it is called **interaction**. Having received the messages, the mind and mass of the target B.B.Bs. work in a synchronized way so as to produced the effects as thought by a the higher center. If the thought expression by higher center is normal, the shapes, properties and laws produced by target B.B.Bs. would be normal and if the thought expressions are abnormal, the shapes, properties and laws would be abnormal. This is the basic concept of transmutation phenomenon.

Finally what we observe is called **effect**. Appearance of new shapes. Properties and laws is called **transmutation**. The first three steps are collectively called **CCP**. During transmutation process if **CCP** is written, it does mean that unless the thought, programming and interaction take place, nature cannot transmutate. Transmutation phenomenon is seen in particles, atoms, molecules and even in cells. The basic steps of any transmutation remain the same except that the thought expressions differ.

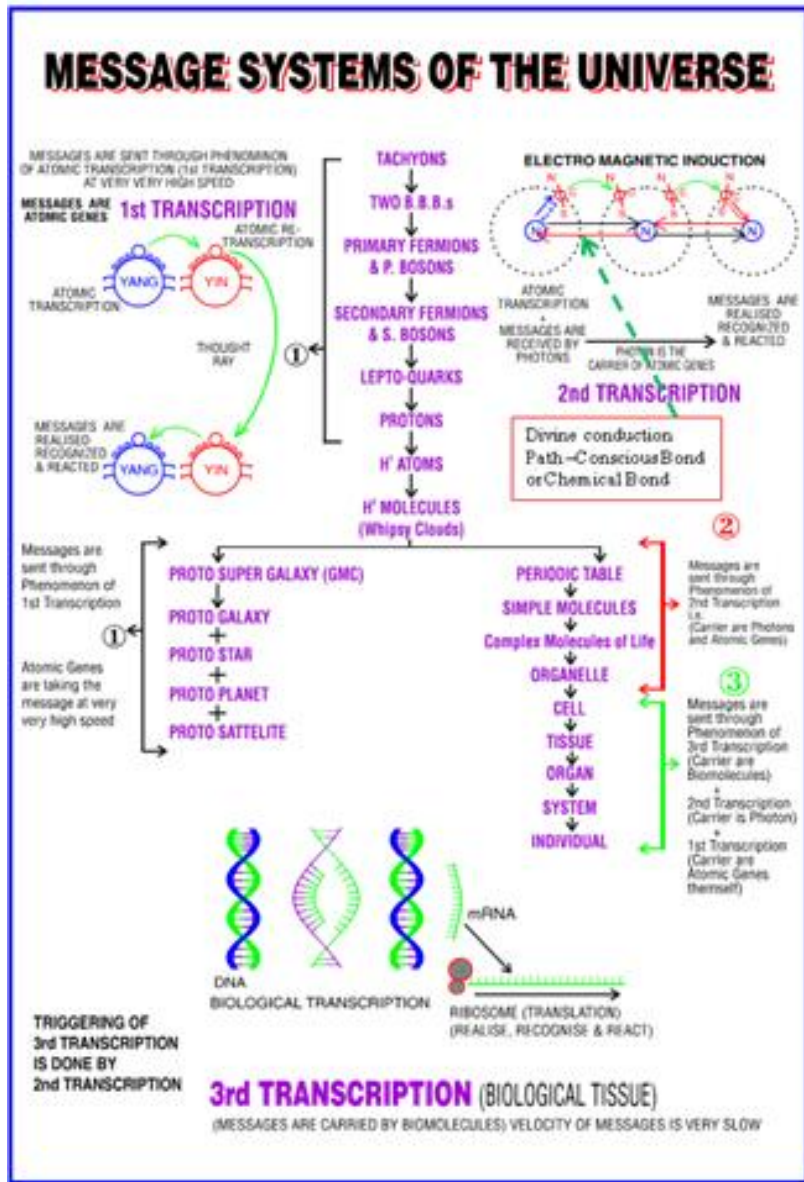


Fig. 9. Messages system of the universe

The subatomic particle are made up of more fundamental particles called Basic Building Blocks (B.B.Bs) which are made up of mind and mass. This B.B.Bs is divine in nature with the result they talk with each other by phenomenon called atomic transcription and translation (thought expressions). The triggering of broken symmetry is caused by atomic transcriptions. Unless the atomic transcriptions occur, subatomic particles could never exhibit phenomenon of broken symmetry . So the broken symmetry is never spontaneous. It is being mis understood that sub atomic particles do have spontaneous activities as far as broken symmetry is concerned. Hence the Nobel prize physics 2008 awarded to this work is too early to give prize.

Message network of the Universe (Feed Back Mechanism and different centers of the Universe)

With the origin of universe, nature first created primary units i.e. primary fermions (gravitation) and primary boson, these primary units are equipped with one higher center (one B.B.B.) and rest of the B.B.Bs. are working as lower centers or target B.B.Bs.[5] After primary units ,nature created secondary units i.e. secondary fermions and secondary bosons. Similarly nature created tertiary units (lepto-quarks) and then quaternary units (protons& neutrons). Each unit is equipped with higher centers, lower centers and target B.B.Bs. After quaternary units nature created atomic units, molecular units, complex molecules of life units, organelle units, cell units, tissue units, organ units, system units and individual units. Each unit is equipped with higher centers, lower centers, and target B.B.Bs. Similarly nature created satellite units, planet units, solar system units, galaxy units, super galaxy units, dark matter layer unit. These units are also equipped with higher centers, lower centers and target B.B.Bs. Thus our universe is divided into different units and each unit is equipped with higher and lower centers.

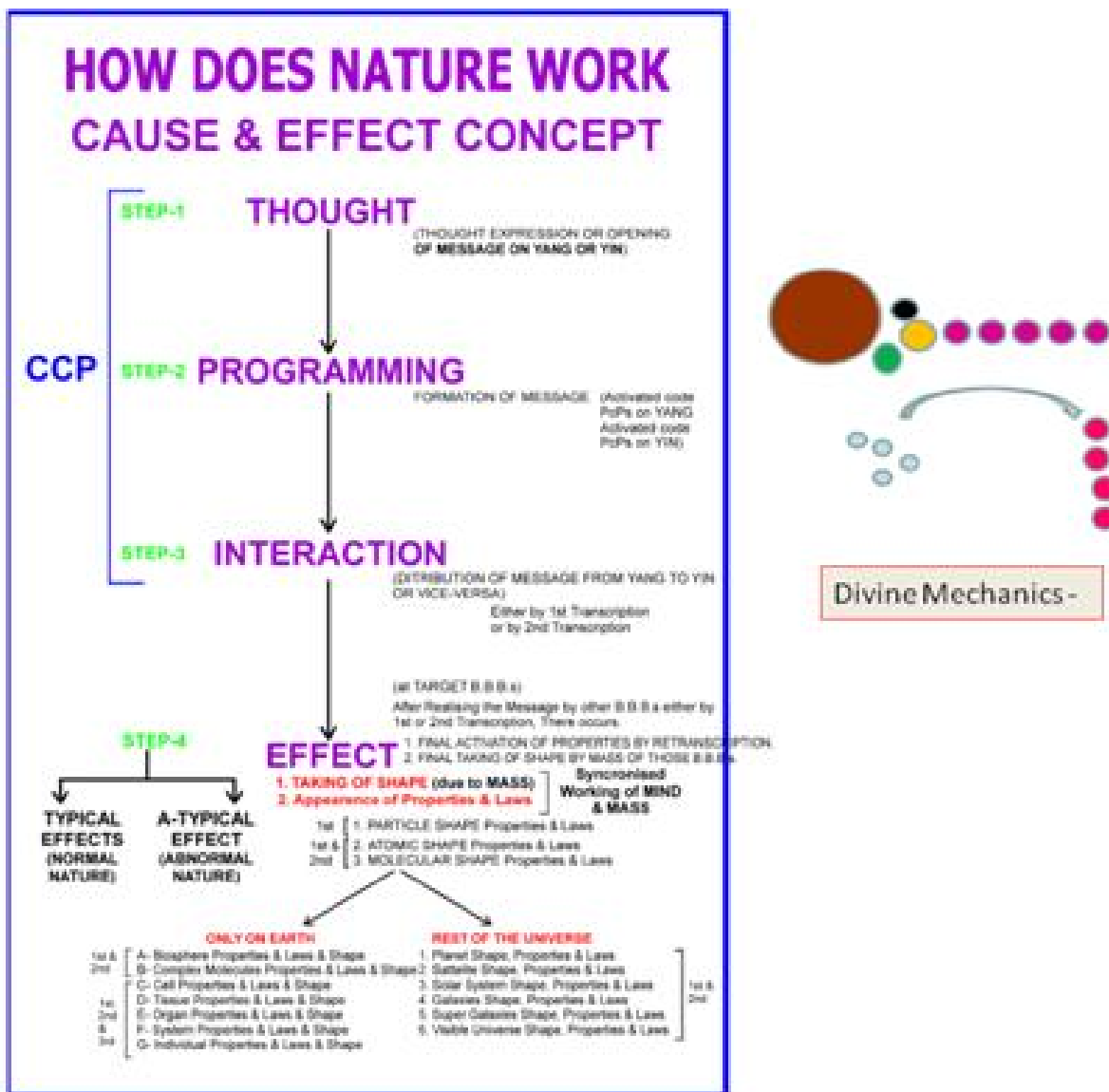


Fig. 10. Divine Mechanics – How Does Nature work?

All higher centers are under control of highest center of the universe by efferent paths. This efferent path is made up of first transcription. Higher centers can send messages to highest center of the universe by afferent path or feed back path. Thus highest center of the universe is well informed about all effects of the universe. Messages can come from lower centers to higher centers and from higher centers to highest center of the universe via afferent path. The highest center of the universe can send messages to higher centers and from higher center to lower centers. There is an inter unit message network also which is made up of first, second and third transcription depending upon the nature's need. Thus the entire universe is under control of highest center of the universe. Highest center can change any programming programmed by it during pre creation era as shown in Figure 12

Before the origin of the universe, these Basic Building Blocks (B.B.Bs) as shown in Fig-5 were in the form of tachyons as shown in Fig- 13 [10]. It means that at that time the tachyons were everywhere in the universe. Let us look at the structure of tachyons; it is made up of one matter B.B.B. (YANG) and many energy (YINs) B.B.Bs. Initially out of the infinite tachyons, one became the **highest center** of the universe. Messages used to go from highest center to rest of the universe and messages could come from rest of the universe to highest center of the universe by atomic transcription. Thus highest center had fed its thought to rest of the B.B.Bs. that would take part in creation - that they would express only those thoughts to give desired effect as wished by the highest center of the universe. So all B.B.Bs were informed about their role before creation of the universe. In pre-creation era programming of the future universe was done by highest center of the universe.

Our universe is oscillating and it is a divine universe. It means that it has a creation phase and a destruction phase. During creation phase tachyons break into their B.B.Bs. and from these B.B.Bs, formation of fermions and bosons take place as shown in Fig 7.1. After the creation phase, destruction would start and in this phase all created particles would again break into their B.B.Bs and finally tachyons would form. At the time of origin of the universe, all the effects got created. These effects are taking of different shapes and appearance of properties and laws. All these effects are studied in various branches of science. With the origin of the universe, nature first created a sphere of **Cold dark Matter (C.D.M)** and canals in it.

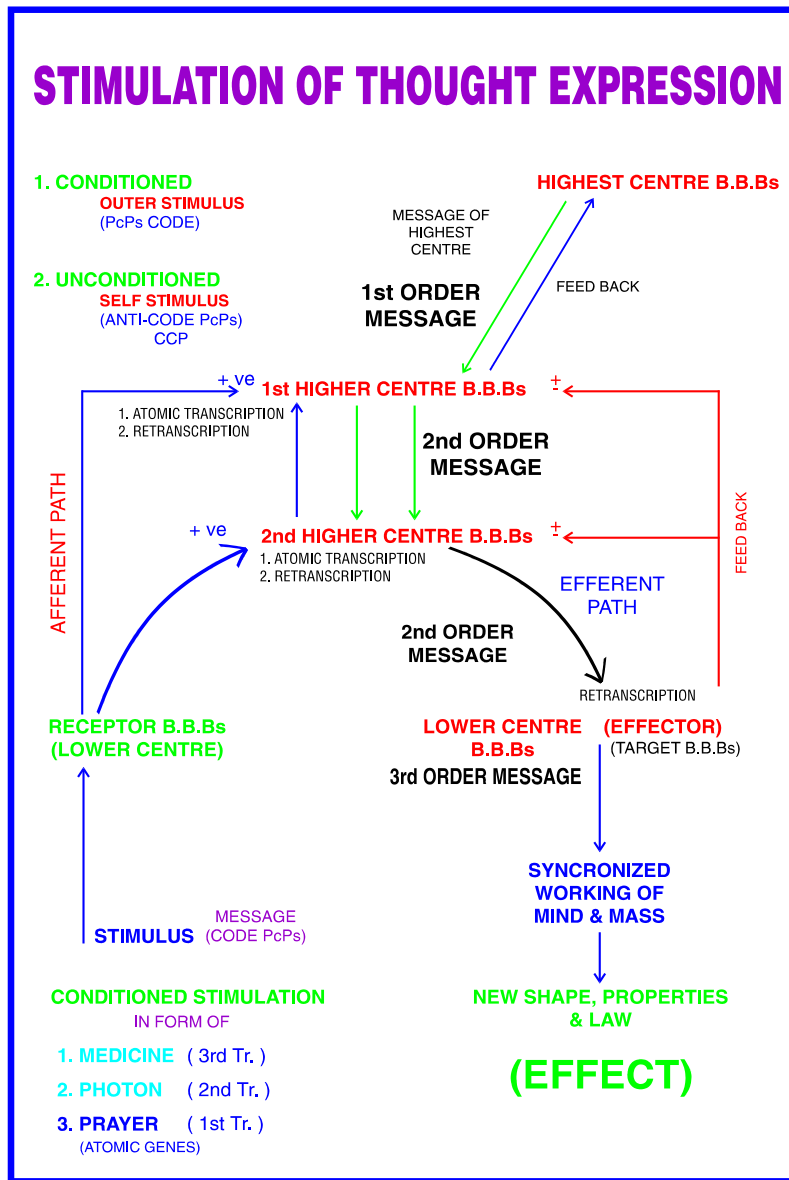


Fig. 11. Conditioned and Unconditioned thought expressions

With the result space got created. At the other end of the canals, hot reaction started (**the relics are back ground radiations 2.7 degree K of our hydrogen clouds**). As a result hydrogen clouds and lot of radiations were created. The empty canals were filled by these hydrogen clouds and radiations and thus **QUASARS** appeared in the universe. Simultaneously C.D.M. layer started expanding and clouds and radiations kept on coming in this closed universe as shown in **Fig 13** . With the passage of time more and more C.D.M. layer formed, more and more quasars formed. The hydrogen cloud came in this closed universe. They started running towards C.D.M. layer as they were attracted by the gravity of C.D.M. layer. Those clouds, which were nearer, moved faster than those, which were away from CDM Layer. The **HUBBLE LAW**, can thus be explained. With some more passage of time, clouds were joined to form **GMC** (giant molecular clouds). Later by self-gravitation different proto stars, proto planets, proto satellites were formed. Finally stars became bright and thus bright galaxies appeared in this universe. Our universe is still in expansion phase and creation is still going inside quasars. It is to be remembered that highest center of the universe does not come in the visible universe. It keeps on receiving the messages by atomic transcription and it has power to change any programming programmed by it during pre-creation era.

Dark matter and Dark energy at micro level

DM and DE i.e. energized gravitons and energy pool of the universe as shown in Fig 17 and Fig 18 [11]

How to reveal DM and DE ?

Modified Theory of Gravity or DM and DE

Gravity acts in similar way as person rotating a ball with string. Here person rotating the ball is continuously giving the energy (YINs) to the system. This energy (YINs) is divided and presented as 1.Centrifugal force ,2.Centripetal force , 3. Orbital velocity

The canalization of energy (YINs or energy B.B.B.) into the system is due to conditioned stimulation of CCP (of matter (YANG B.B.B) present in the ball or in the other words property of matter) which canalizes the energy. If one increases the input energy ,the all effects are enhanced . There is minimum amount of energy (YINs) which is required to maintain the structure and function of the system. Similarly energized gravitons are continuously being released by the centre mass and they keep on interacting with revolving planet. They give energy (yins) to the revolving planet and the energy (F.E.) is canalized by stimulation of CCP of matter (yang) content of the planet into three effects. 1. Centrifugal force, 2.Centripetal force ,3.Orbital velocity .The orbital velocity of the planet indirectly shows the amount of interaction between energized gravitons and planet. If the interaction is more the velocity is increased and when interaction is less the velocity is slowed down. In the other words, if interaction with energized gravitons is increased all three effects are increased and if it is decreased the all the effects are decreased. The effect is clearly visualized in Kepler’s 2nd law, where velocity of planet changes with interaction with energized gravitons. When planet is at perihelion it has high velocity than it at aphelion. Minimum concentration of energized gravitons is needed to maintain the structure and function of the system this depends upon the size of the centre mass.

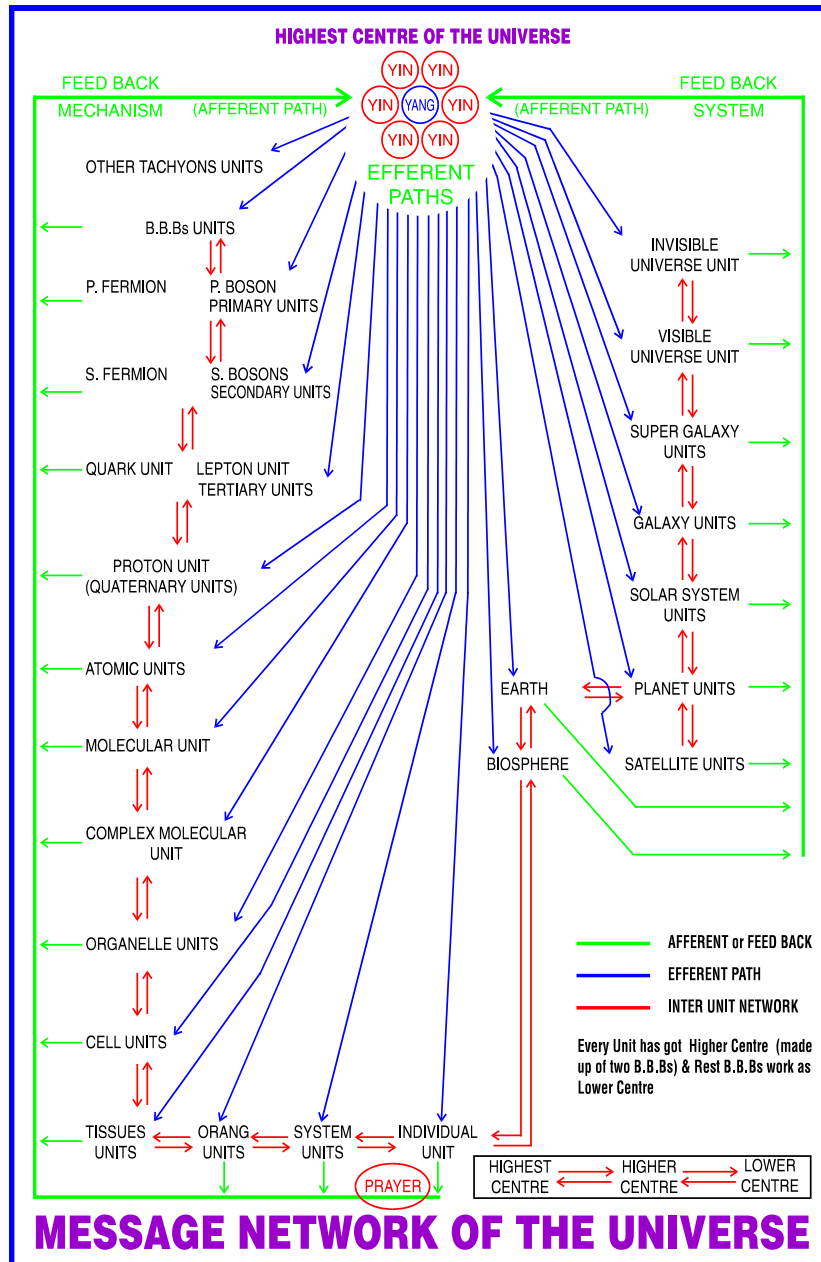


Fig. 12. Messages Net work of the Universe

Origin of the universe [10]

The amount of interaction also depends upon the distance from centre mass. The same prerequisites are required in atom to maintain atomic structure and function. Thus stability of atom is maintained. The role of gravity field of mercury (energized gravitons of mercury planet) for maintaining the planet in the orbit is not essential and the effect of energized gravitons on the sun motion is insignificant but for holding satellite in the orbit, the role of mercury gravity is essential.

Hoyle – Narlikar Universe



ORIGIN OF THE UNIVERSE
CONTINUOUS CREATION THEORY----
 HOYLE AND NARLIKAR THINK THAT NEW MATTER IS BEING CREATED DUE TO 'IMPLOSION' TO BALANCE THE EXPANSION OF THE UNIVERSE, WHICH ASTRONOMERS HAVE OBSERVED. INSIDE 'QUASI STRARS' GRAVITATIONAL COLLAPSES MAY FORM SOME MATTER IN THE UNIVERSE. THE HUGE LUMINOSITY AND THE RADIOEMISSION FROM THESE QUASI -STRARS APPEAR TO BE 'GRAVITY POWERED' UNLIKEORDINARY STARS WHICH DERIVE THEIR ENERGY FROM NUCLEAR REACTIONS

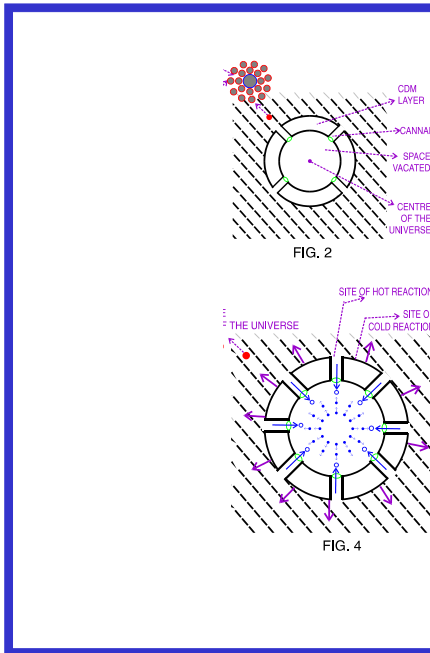


Fig. 13. Development of the Universe

Structure

Dark matter and dark energy at macro level

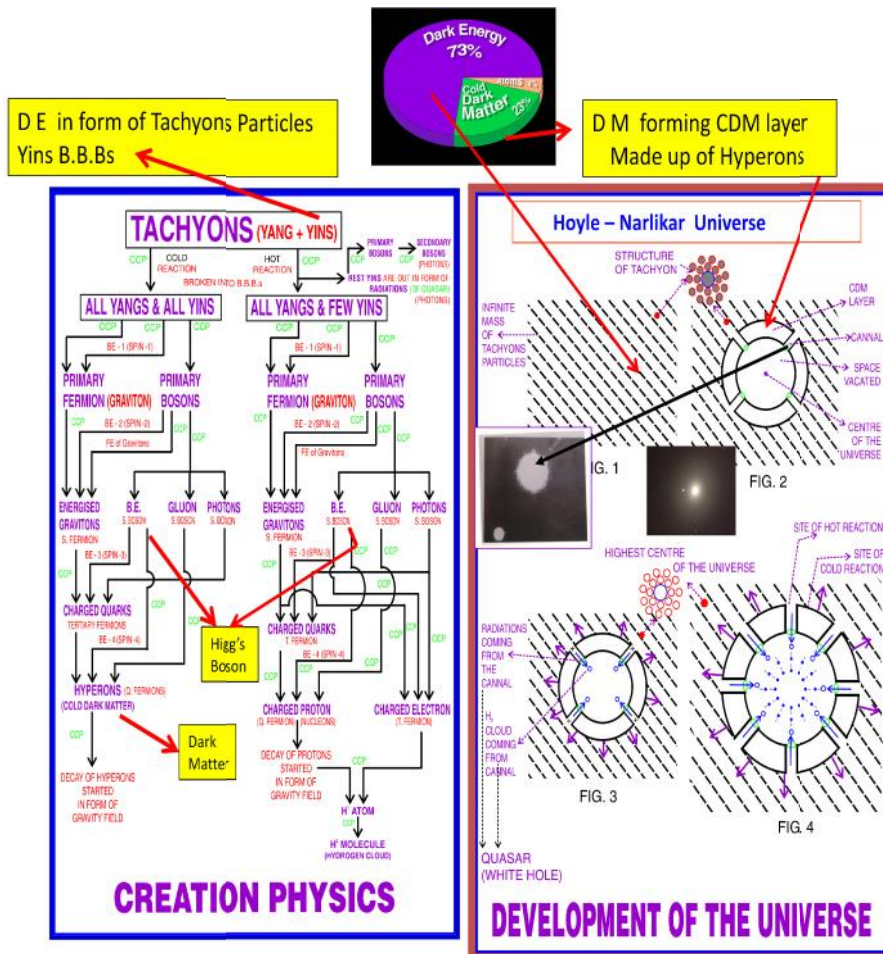


Fig. 14. Dark matter and dark energy at macro level

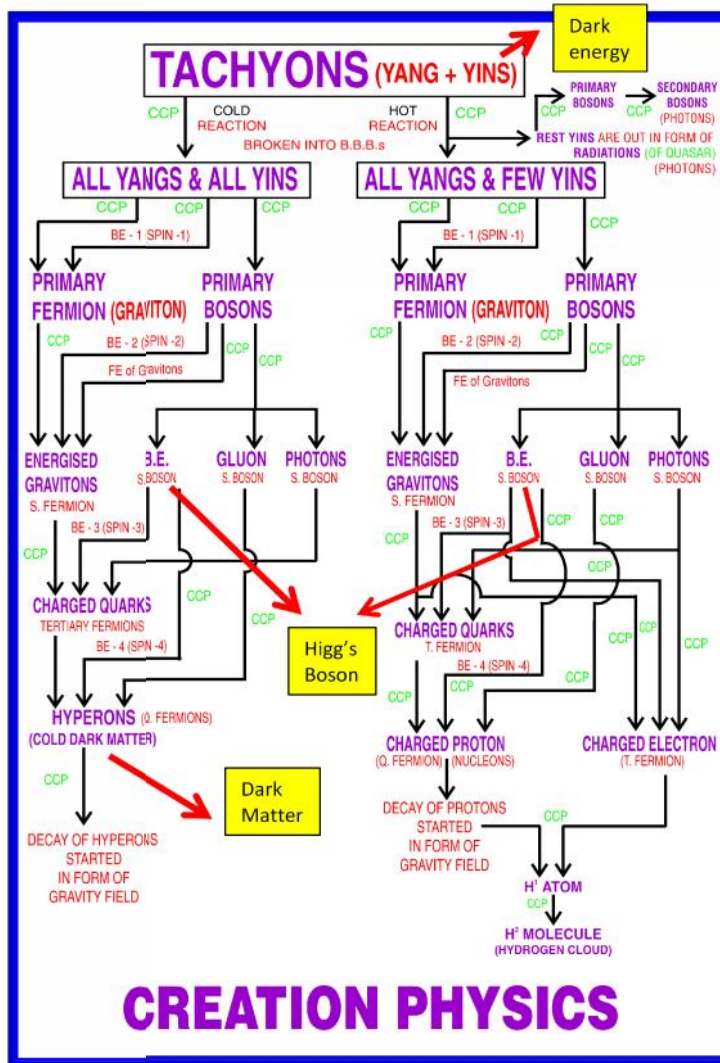


Fig. 15. Creation physics of DM and DE from Tachyons

There is fixed amount of concentration of energized gravitons which are liberated by central mass (sun) which make all planets to move. Thus fixed distance also decides their amount of interaction, thus orbital velocity is maintained or to have fixed orbital velocity, fixed concentration of energized gravitons are required in interaction.

Table. Gravitons releasing units and interacting units

Gravitons Releasing Body	Interacting Body
Creator layer (cold dark matter) made up of Hyperons.	Bright Galaxies receding (Hubble law)
Mass centre of galaxy	Stars (Suns) of galaxy or binary galaxies end stages
Sun	Planets or binary stars end stages, comet, asteroids
Planet	Satellites
Nucleus	Electrons

In some cases the size of the energized gravitons releasing body is very huge than the interacting body. No mathematics can calculate their masses (Inertial Mass), their amount of interactions and their distances only conscious can realize and can explain the nature. Sun is working as person to rotate earth around it by the strings made up of energized gravitons. Concentration of gravitons per unit area decreases as distance increases therefore interaction also decreases thus orbital velocity of planets get decreased. Gravity is one way interaction not both way (Sun interacts with earth not earth interacts with sun because earth's gravitons concentrations is below critical value to have significant influence on sun being placed at great distance thus critical value of distance has come into action and made earth not to interact with sun).

If we keep planet mass and density constant then the interaction depends upon concentration of energized gravitons per unit area. In solar system the interaction with sun's energized gravitons decreases as distance increases. The interaction depends upon concentration of energized gravitons per unit area. If concentration decreases the interaction also decreases. Mercury planet has maximum interaction with energized gravitons and it takes more energy than Jupiter and Plato, which are very far from sun. It is one way interaction only sun's energized gravitons interact with planet, planet's energized gravitons do not interact with sun.

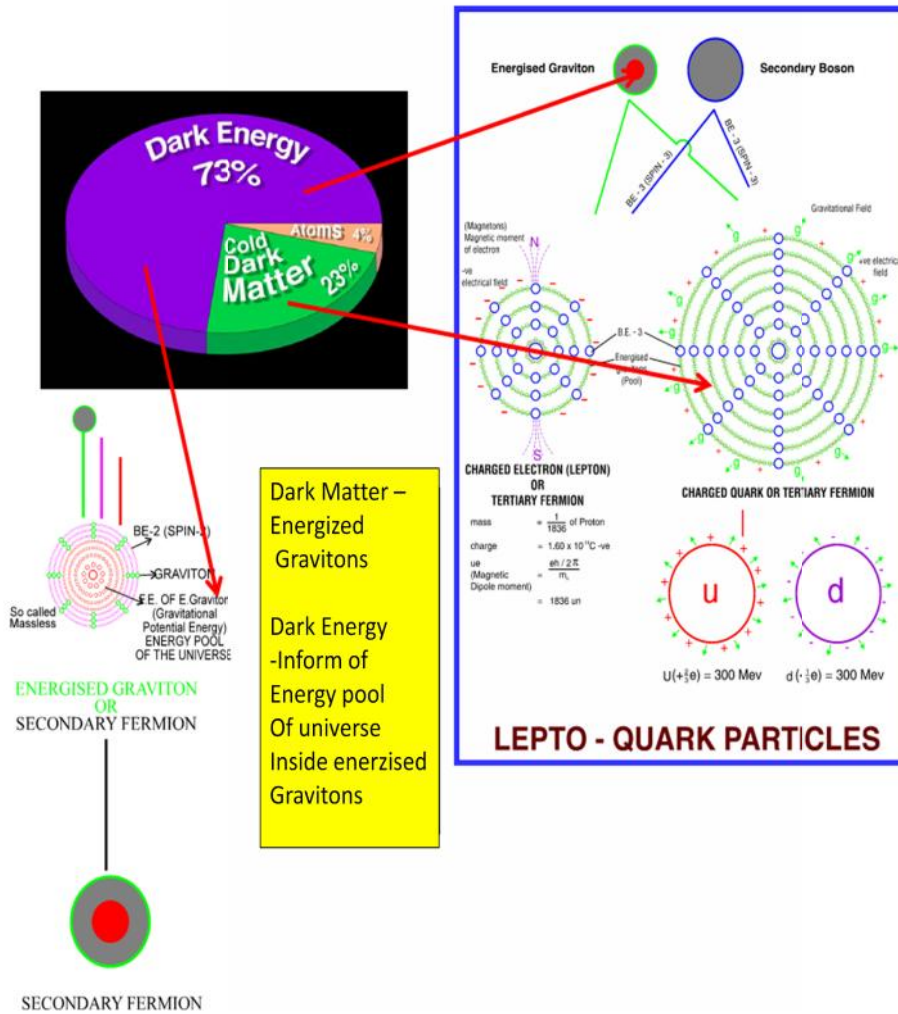


Fig. 16. DM and DE at micro level

Axiom: Gravitational effect is interactions of bigger mass by energized gravitons on smaller mass rather than mutual attraction. The gravity is the property of matter (yang) so it presents it self in fermions (yang + yin) only not in boson (yin). Gravitational effect depends upon minimum amount of concentration of energized gravitons per unit area (critical value of mass and distance). Gravitational Force = amount of concentration of energized gravitons per unit area

(critical value of mass M1)

Gravitational Force = 1/ critical value of distance

Neither it is a mutual attraction of two bodies nor it works up to infinity

Rather than, $F = M1 \times M2 / d^2$ Newton's' law of gravitation. it is a mutual attraction of two bodies and it works up to infinity M2 could be photon, electron, quark, proton, neutron, nucleus of the atom, apple, matter of different densities, planets, satellites, suns, and receding galaxies of the universe.

When M2 is photon, energized gravitons interact with its outer surfaces called interacting surfaces which are made up of Yins (primary bosons). Their number (number of interacting surfaces) varies with the amount of concentration of interacting energized gravitons as well as with the critical value of distance. If photon falls in high concentration area of energized gravitons, the number of interacting surfaces get increased or vice versa and it is inversely proportion to square of critical value of distance. As shown in Figure 19.

For rest M2 (electron, quarks, protons, neutrons and nucleus of atom or apple, matter of different densities, planets, satellites, suns, and receding galaxies) energized gravitons interact with interacting surface of electron and quark which is its outer surface yins (secondary boson or B.E. - 3 or spin-3) As shown in Fig 20, or interacting surface of protons and neutron which is its outer surface yins (B.E.-4 or spin-4) As shown in Fig-21 or interacting surface of nucleus which is its outer surface yins (B.E.-5 or spin-5) As shown in Fig-21. For interacting surfaces of apple or any bigger unit (matter of different densities, planet, satellite, suns, or receding galaxies) the site of interaction is nucleus of that unit. As shown in Fig 21

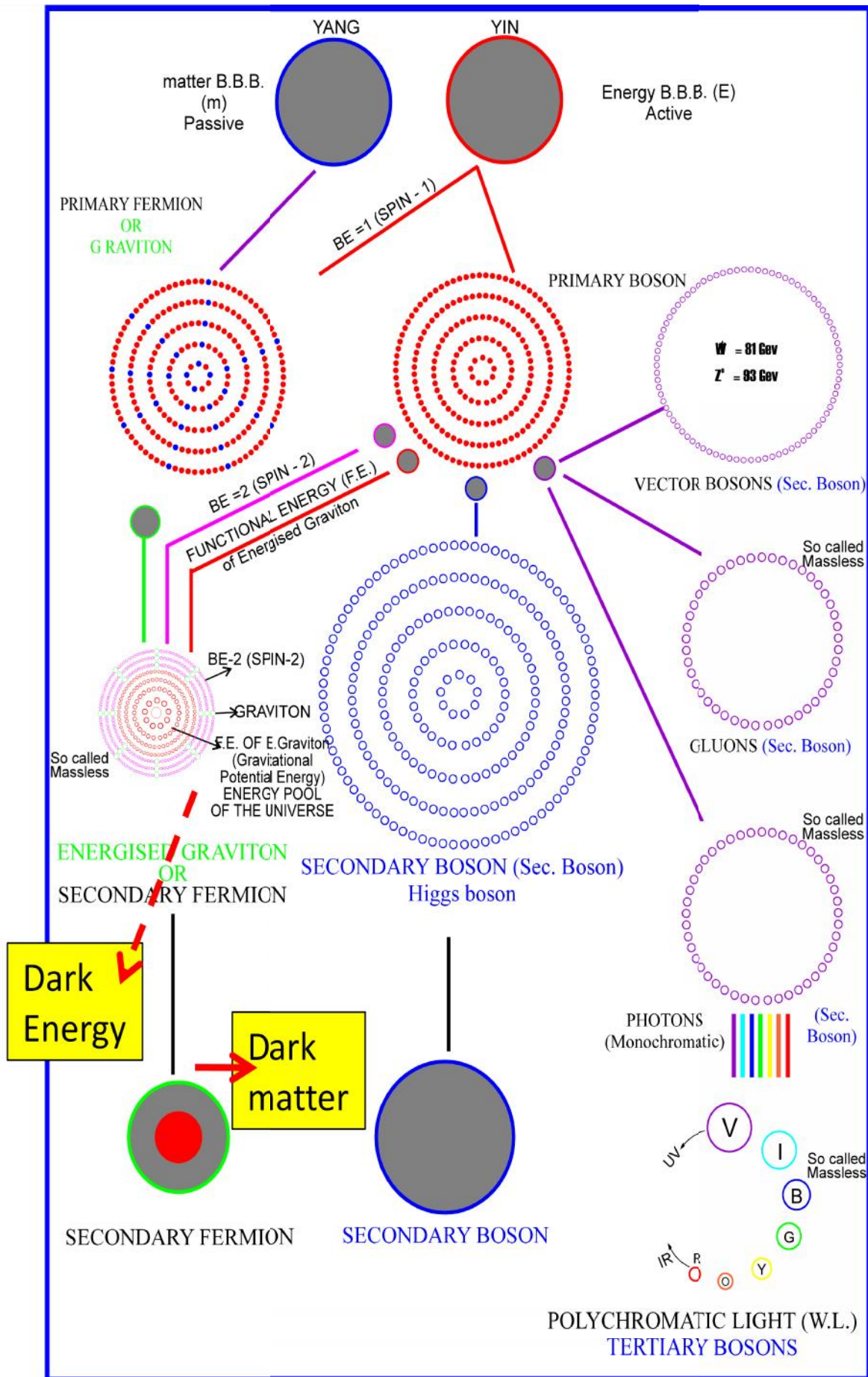


Fig. 17. Structural configuration of DM and DE at micro level

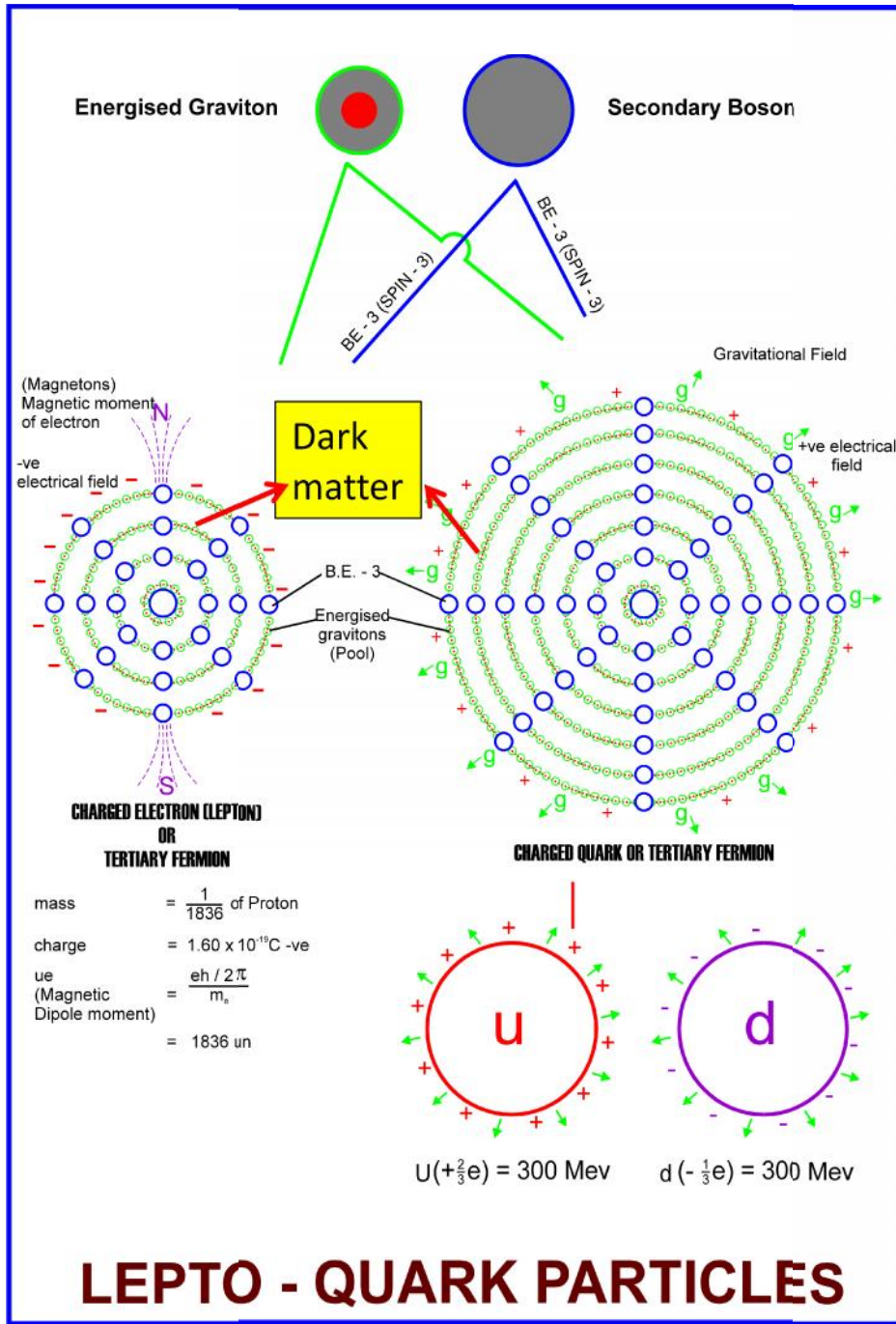


Fig. 18. Structural configuration of Leptons and Quarks as regard DM

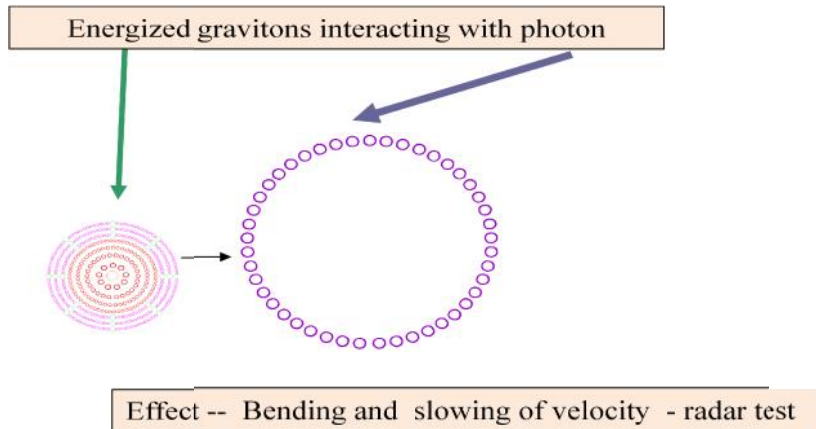


Fig. 19. interaction of energized graviton with photon

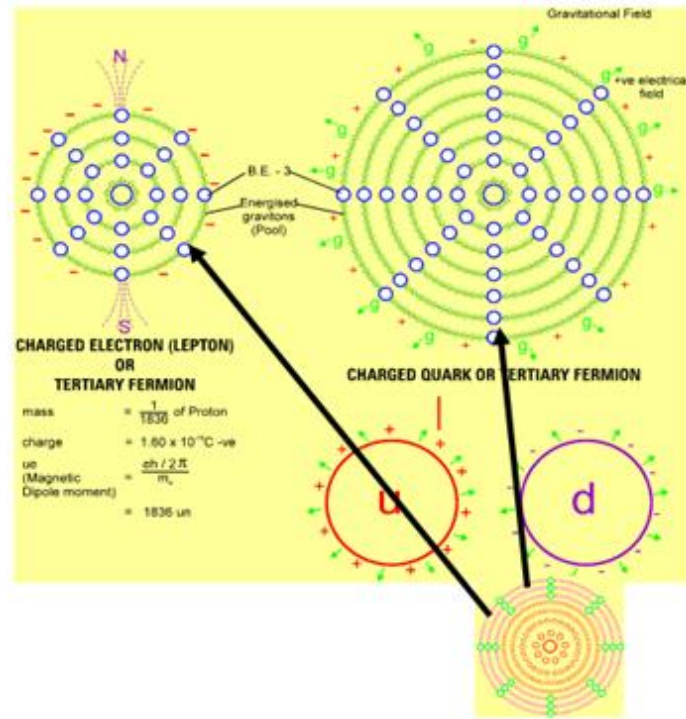


Fig. 20. Energized gravitons interacting with Quarks or electron (with its outer B.E.-3)

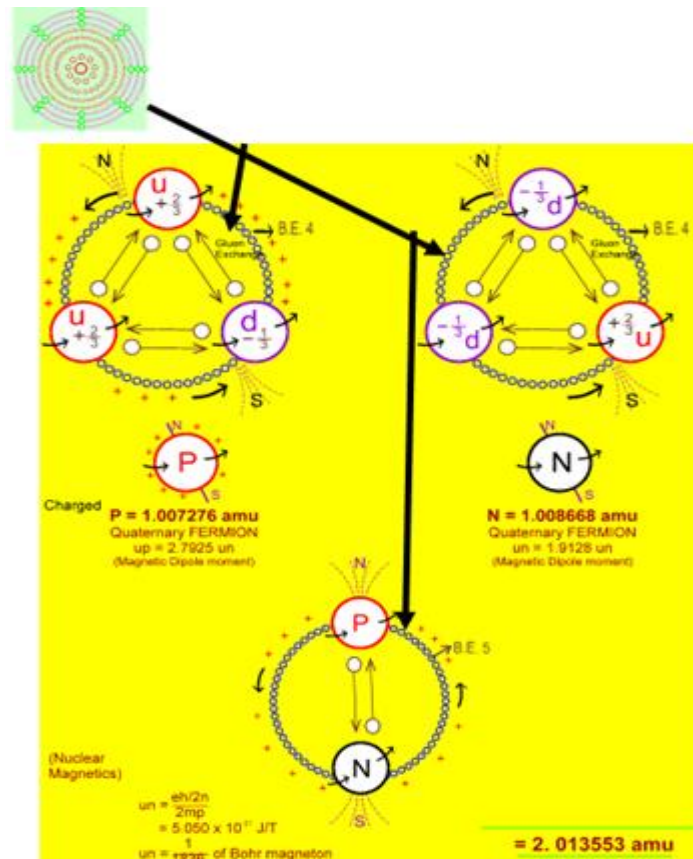


Fig. 21. Energized gravitons interacting with protons and neutrons (with its B.E. -4) and with nucleus (with its B.E. -5)

Gravitational force number of interacting surfaces of the M2. (Or if inertial mass of

M2 is more, number of interacting surfaces would be more And vice versa.)

Finally

$$F = \frac{\text{amount of concentration of energized gravitons per unit area (critical value of mass } M1) \times \text{number of interacting surfaces of the } M2 \text{ (or Inertial mass of } M2)}{\text{critical value of distance } ^2}$$

During interaction, there is first locking of energized graviton with the outer interacting surface of the interacting body. The thought of attraction is triggered by YANG B.B.B. (higher center) of energized graviton. The message of attraction (codePCP) is carried by Primary Bosons (energy pool of universe). Having received the message, interacting body (M2) starts moving towards center of the mass (M1). The energy used in work done is from energy pool of universe (in form of primary bosons for photon and secondary bosons for rest M2 (electron, quarks, protons, neutrons and nucleus of atom or apple, matter of different densities, planets, satellites, suns, and receding galaxies). Or they set in orbit by thought of orbital movement laws. Whatever effect is coming during gravity interaction, it is triggered by that thought of interactions. Hence during gravity interaction, different thoughts are being used to give different gravity effect. These thoughts are triggered by self-stimulation of YANG of energized graviton and YANG of M2 if it is fermion or YIN of M2 if it is bosons. This is unconditioned thought expression of B.B.B. It is also called QUANTUM GRAVITY. As thoughts are changing with the result effects are changing.

Universal Law of Gravitation Definition of word Gravity force---Force of gravitation is neither a mutual attraction of two bodies nor it works up to infinity. It is proportional to amount of concentration of energized gravitons per unit area (critical value of mass M1) as well as number of interacting surfaces of the M2 (or density of M2) and inversely proportional to square of critical value of distance in a fixed frame of reference.

If two massive bodies (both are above critical masses) interact with each other in gravitation, their interacting effects may not be same. For example earth interacts with moon is seen by moon orbiting earth. But moon interacts with earth is shown by low and high tides. Hence when earth is M1, then moon is M2, the effect of gravitation is different and when moon is M1 the earth is M2, the effect is different. Which effect would come during interaction of M1 and M2 is all decided by atomic genes. This is also called quantum gravity. Quanta means packet (particle) and Quantum mechanics means triggered by different thoughts i.e. changing of thoughts. Quantum gravity means the interacting particle is divine (changing thoughts) energized (gives energy into system) gravitons (particles).

Gravity

Energized Gravitons are the **tinest batteries** of the universe. The functional energy of energized gravitons is slowly being utilized at all level during interaction and thus structure and function of all system (Atom, Solar system, Galaxy and visible universe) are maintained by it. The electrical charge or magnetic property of atoms and particles, sun, planet etc are maintained by energized gravitons. Keeping hydrogen creation diagrams as shown in line diagram as shown in Fig 15 in mind following lacunae have been observed as far as concept of gravity is concerned. Why is gravity attractive not repulsive, will be dealt when we will discuss about deepest truth of nature i.e. atomic genetics and programming of universe.

1. Modern physicists consider graviton as a hypothetical particle. But participatory science has proved its existence by explaining the effects. Our instruments (except spring balance) are unable to see these particles but our consciousness sees it (biggest and finest measuring instrument of the universe).

1. Energized Gravitons and fall of object.
2. Energized Gravitons and planetary motion.
3. Energized Gravitons and bending of star light.
4. Energized Gravitons and red shift.
5. Energized Gravitons and atomic structure and spectra.
6. Energized Gravitons and atomic clock.
7. Energized Gravitons and weight of object.
8. Energized Gravitons and structure of visible universe. (CDM layer and Hubble Law)
9. Energized Gravitons and galaxy structure.
10. Energized Gravitons and perihelion of mercury.
11. Energized Gravitons and dying stars.
12. Energized Gravitons and inter orbital shift.
13. Energized Gravitons and merging of galaxies.
14. Energized Gravitons and Binary stars system.
15. Energized Gravitons and Nuclear fusion on stars (would be discussed separately)
16. Energized Gravitons and Life sciences
17. Energized Gravitons and pulsar (would be discussed separately)
18. Energized gravitons and earth quack. (would be discussed separately)
19. Energized gravitons and spin and magnetic property of Earth and particles, nucleus. (would be discussed separately)
20. Energized gravitons and ignition of earth inside. (would be discussed separately)

2. Modern physicists consider energized graviton as a boson (YIN) Participatory science has proved it a fermions (YANG + YIN). Most of the energized graviton's effect visualizes YIN component of gravity. But YANG part of gravity is clearly visualized in bending of star light by energized gravitons where its YANG component (primary fermion or graviton) interacts with YIN (primary boson) part of photon making YANG –YIN complex (concept of unity of opposite) and there after YANG bends photon with the help of YIN (functional energy of energized graviton or primary bosons) of gravity. Energized graviton losses its energy during interaction but photon's energy remains the same (opposite of explanation of Einstein gravitational red shift) and becomes low energized graviton. Secondly, it is visualized because of super unification is still not proven.

3. Modern physicists believe that gravity is the weakest force in the universe. Participatory science will explain that the roles of energized gravitons are very important in maintaining all structure and function of universe. There is continuous expenditure of energy (primary bosons interact in some interactions while it also transform in to mechanical energy photons in other interactions) for these works. This energy (YIN or primary bosons) is supplied by energized gravitons. During creation of energized gravitons (see creation physics) a part from its binding energy (B.E.-2), which maintains its integrity, a lot of extra energy was pumped in form of functional energy or primary bosons or dark energy and at each interaction they loose a part of extra energy (functional energy) and become low energy energized gravitons. As shown in fig 22 orbital velocity of planets , fig 23, Fig 24

Planet Name	Time taken to orbit the sun in earth years	Average orbital velocity in miles/sec	People between orbit of planet and orbit of earth	Time taken to rotate on axis in each time	Tilt of axis to perpendicular of orbital plane	Average distance from sun in astronomical units*	Average surface temperature in °C	Density relative to water	Equatorial diameter relative to earth diameter	Mass relative to earth	Escape velocity in miles/second (km/sec)	Number of known moons	Number of known rings	Date of discovery
Mercury	0.24	35.8 (47.9)	7.00*	58 days 15 hr 36 min	0°	0.39	+350° (day) -170° (night)	5.4	0.38	0.06	2.94 (4.25)	0	0	
Venus	0.62	21.7 (30.0)	3.30*	243 days	177°	0.72	+475°	5.3	0.95	0.82	6.43 (10.36)	0	0	
Earth	1.00	18.5 (29.8)	-	23 hr 56 min	23.45°	1.00	+22°	5.5	1.00	1.00	6.95 (11.18)	1	0	
Mars	1.88	15.0 (24.1)	1.85*	24 hr 37 min	24°	1.52	-23°	3.9	0.53	0.11	3.12 (5.02)	2	0	
Jupiter	11.86	8.1 (13.1)	1.30*	9 hr 55 min	3°	5.20	-123° (at cloud tops)	1.3	11.2	318	37.06 (59.64)	16	1	
Saturn	29.46	6.0 (9.6)	2.49*	10 hr 40 min	27°	9.54	-180° (at cloud tops)	0.7	9.4	96	22.0 (35.41)	17	Extensive system	
Uranus	84.0	4.2 (6.8)	0.77*	10 hr 49 min	98°	19.2	-218° (at cloud tops)	1.7	4.1	15	13.3 (21.41)	15	10	1781
Neptune	164.8	3.4 (5.4)	1.77*	16 hr 7 min	29°	30.1	-225° (at cloud tops)	1.8	3.9	17	14.61 (23.82)	2	1	1846
Pluto	248	2.9 (4.7)	11.2*	6 days 9 hr	50°	39.5	-230°	1.1	0.25	0.002	0.6 (1.0)	1	0	1930

*One astronomical unit is 92,956,000 miles (149,598,000 km). †Earth's diameter is 7,926 miles (12,756 km).

Fig. 22. Orbital velocity of planets

Gravity According to Participatory Science

1. Earth is liberating energized gravitons and these energized gravitons are denser near the surface and density reduces as distance from the surface increases as shown in Fig 25.

Density of energized gravitons at the surface is proportional to the mass of the planet.

In this equation it is the number of interacting energized gravitons / unit area are more concerned rather than the mass of body. So, for correct result, one must take number of interact energized gravitons/unit area into consideration rather than mass of planet. Since we cannot calculate number of interacting energized gravitons per unit area therefore we take indirect measure i.e. mass of the planet thus wrong results are recorded. For example: - In case of pin and 10 kg. Weight. The density of magnetons per unit area liberated by magnet is more than the density of interacting energized gravitons per unit area by earth , therefore pin is pulled up. In case of 10 kg. weight density of magnetons liberated by magnet is less than density of interacting Energized gravitons, therefore 10 kg. Weight remains there. There is difference in density of energized gravitons at the surface of earth and density of interacting energized gravitons in the object. Density of energized gravitons at the surface is proportional to mass of planet. Density of interacting energized gravitons is proportional to inertial mass of interacting object. It is decided by MIND of the object (M2) that how much energized gravitons would interact with the outer interacting surfaces of interacting body (M2) to give the desired effect . It is all fed thoughts and feeding was done in pre creation era by the Highest center of the universe.

4. Modern physicists believe that since value of mass changes with velocity hence value of G is not constant . According to participatory science force of attraction of any mass depends upon the energized gravitons concentration released by body. When this body moves or changes its velocity, the energy mass (boson) is added in the system hence the increased mass is energy mass (concept of motion discussed). Therefore its energized gravitons (secondary fermions) concentration and its release is unaffected. Whatever be the velocity of object, force exerted by the unit masses placed at unit distance will remain same. Therefore value of G is constant. (Bosons and fermions are not inter convertible).

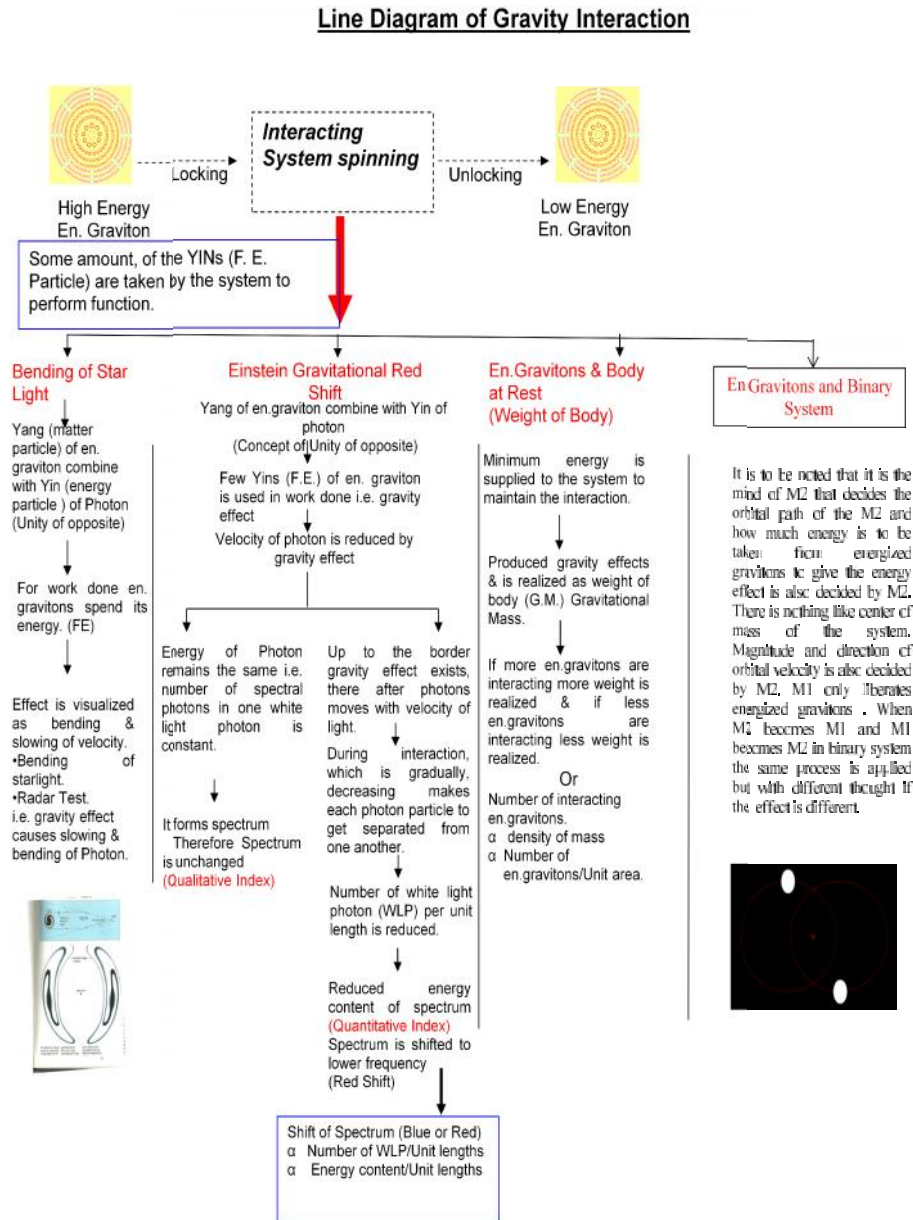


Fig. 23. Line diagram of gravity interaction

5. Interaction of energized gravitons with different units (photon, electron, quark, proton, neutron, nucleus of the atom, apple, matter of different densities, planets, satellites, suns, and receding galaxies of the universe.) depends upon the fed programming (Fed thoughts) done during pre creation era by highest center of the universe.

Gravity and fall of Bodies (Energized Gravitons & Fall of Object)

1. Two bodies A and B placed at different height have same energy content except interaction of energized gravitons in A are more and in B are less as shown in Fig –26. After a certain distance (critical value) interaction is below critical value therefore no effect is visualized or realized and body becomes weight less (zero gravity effect). Any object at rest on the ground or at height h has same potential energy i.e. zero as shown in Fig. 26.

2. Leaning tower of Pisa (Fig. 26) Gravity and falling of bodies of different masses: Since interaction is proportional to energized gravitons present in unit area and also it is proportional to inertial mass (Number of interacting surfaces) of falling body, therefore to achieve same acceleration B takes more energy from energized gravitons than A (inertial mass of B is more than A). Or more energized gravitons are interacting in B than in A. Thus both has same acceleration (g) and thus they touch the ground simultaneously. We see mass of earth is constant for both and both are exposed to same concentration of energized gravitons per unit area but interactions with energized gravitons are different in both.

Line Diagram of Gravity Interaction

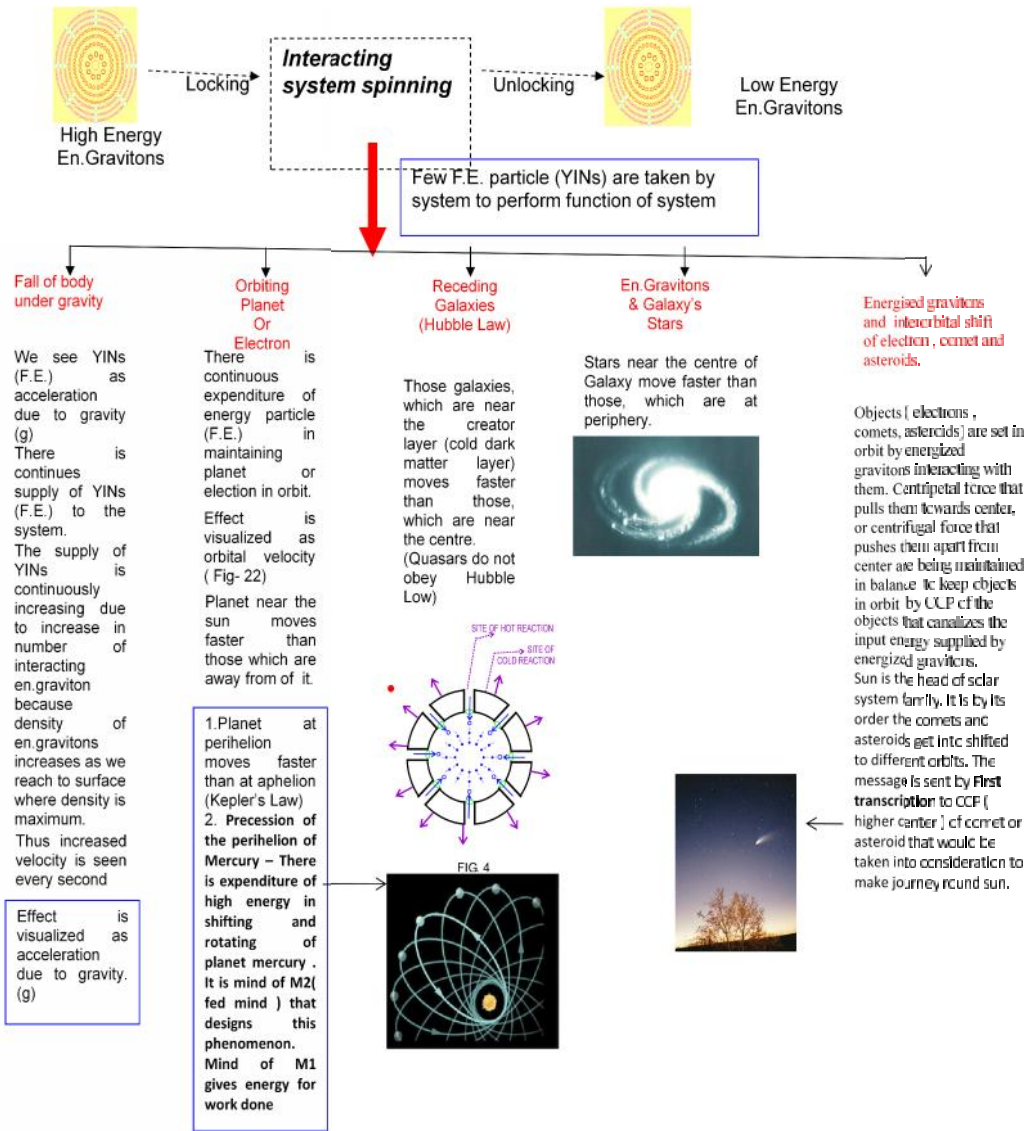


Fig. 24. Line diagram of gravity interaction

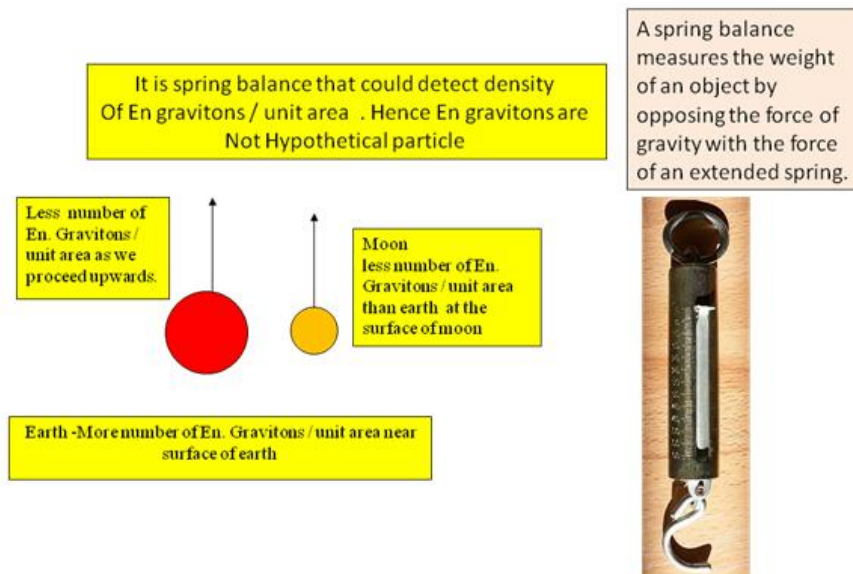
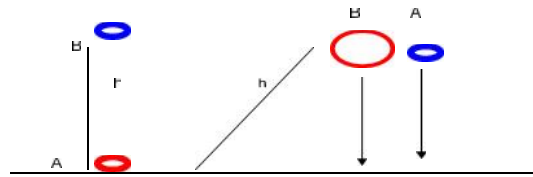


Fig. 25. A spring balance measures the weight of an object by opposing the force of gravity with the force of an extended spring. [12]



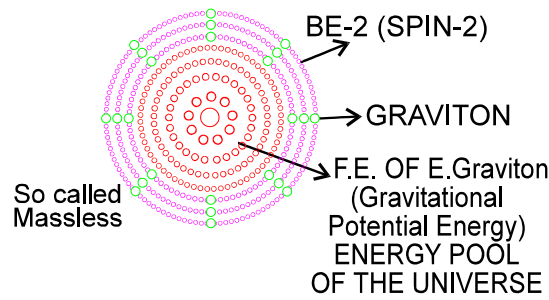
Two bodies placed at surface and other at height h , Falling of two bodies of different inertial mass under g

Fig. 26. Two bodies placed at different height or falling of two bodies of different inertial mass under g

Finally:- Both touches ground simultaneously. Interaction of energized gravitons is more in B because it has more inertial mass than A. Release of YINs (energy quanta) from energized gravitons is more in B than in A to achieve same acceleration (concept of motion as discussed). At the surface of the earth energy content of B is more than A.

3. Solid and liquid do fall under gravity (g) but gas does not why? The reason is thought of fall is not triggered in gases hence gas (M_2) does not give fall effect but once gas state transform into liquid or solid , thought of fall triggers and we see rain fall or snow fall . But gases have weight . Hence weight effect is different than fall effect and both are triggered by different thoughts (conditioned stimulation). What ever effect is seen in gravity interaction is all due to thought expression of M_2 .

Energized Graviton and Its Energies



ENERGISED GRAVITON OR SECONDARY FERMION

Fig. 27. Energies of energized gravitons

There are two types of energies involvement in energized graviton as shown in Fig. 27

1. Binding Energy (B.E-2 or spin-2.)---It is involved since creation of particle and it maintains integrity or basic structure of particle. Proton life span is 10^{31} years. It prevents proton to decay immediately in to smaller masses but decay is continuous process. Nucleons decay into energized gravitons forming gravity field. Thus decay will continue as long as 10^{31} years when proton inertial mass will become half of its original inertial mass. Proton's life span represents life span of quarks as they are made up of quarks and quark's life span depends upon number of energized gravitons released from quarks. Till 10^{31} years the proton will have its properties activated and it will behave as proton. Nucleons (protons, neutrons loose their inertial mass when they become neutron stars) are gradually losing their inertial masses but properties (spin and gravitational mass) remains the same and these are activated till their life span is over.

2. Functional Energy (F.E.) It is also called ATOMIC ENERGY .This energy was pumped during creation into gravitons and making them energized gravitons as shown in Fig 15 and it is used continuously for maintaining the functions of different systems of the universe starting from electrons in orbit of atomic structure, planets in orbits of solar system, all stars in their orbit of galaxies and Hubble law of the receding galaxies of universe by energized gravitons of cold dark matter layer of universe. Charge property of quarks and charge and magnetic property of electron are maintained by Functional energy of energized gravitons or due to their decay. Thus indirectly charge and magnetic property of proton and electron or nucleus are maintained by their energized gravitons which form them. Energy liberated in nuclear fission and fusion also comes from this pool. Generation of electrical energy of Damp (turbines) comes from same energy pool. Primary Bosons (F.E. of energized gravitons) of energized gravitons do interact with photons (secondary bosons) , polychromatic light (tertiary bosons) electrons

and quarks (tertiary fermions) , protons and neutrons (quaternary fermions) , nucleus of atom (gases only) to give gravity effects while Primary bosons of F.E. transform into Photons (secondary bosons or kinetic energy or mechanical energy) to interact with nucleus of the atoms (liquid and solids) to give effects of gravity like falling of bodies under gravity or acceleration due to gravity (g) and having planets and satellites in the orbits and other gravity effects

Conclusion

Dark matter and dark energy could only be revealed by participatory science. For that one has to understand making of new model of the universe i.e. Hoyle Narlikar model of the universe. Spring balance is the only instrument that could detect energized gravitons per unit area. Hence to say that they are hypothetical particle is not correct. We can understand divine energized graviton theory only by analogy. As we move towards illumination source (photons), the luminosity increases and as we move away, the luminosity decreases. Similarly, in high density area there is more interaction with energized gravitons, hence more pull is there rather than in less density area of energized gravitons. Similarly planetary motions are similar to rotating ball with a string. In high density area there is more velocity of planet than at aphelion. It is the mind that triggers and control gravity interactions These are fed thoughts and feeding was done in pre creation era by the Highest center of the universe. Energized gravitons are the DM of the universe and at macro level as they have built hyperons forming boundary of our universe expanding with velocity of light and they are the cause of Hubble Law in our universe. While at micro level they give gravity effects making structure of different structures like atoms, solar system, galaxies etc and functions of the entire universe by giving energy (DE) from energy pool of the universe to interacting system. It is the mind that triggers and regulates the all gravity phenomenon of the universe. Huge quasars' radiations are due to breaking of tachyons (one yang and many yins) and thus they form DE (in form of Yins B.B.B) at macro level.

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