

## Red shift and Blue shift – By Virtue of B-Bit (YIN - Mass reality ) Property of photons and it is Divine Mechanics ( CCP , Code PcPs and CP) that controls Type of shift

V M Das

Advanced Sciences, University Of God, Das Nursing Home, Fatehgarh, India

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**Abstract:** To understand red shift and blue shift and other properties of photons , we have to understand Basic Building Blocks of the universe as shown in Fig 1. ( mass – B.B.B Bit or B-Bit ) and Divine Mechanics Unit ( CCP , Code PcPs and CP ). Red shift and blue shift is acquired and conditioned property of mass part of basic Building blocks and it is ( type of red shift and blue shift ) by virtue of Atomic genes part of reality . Hence it is affected by outer stimuli like direction and magnitude of velocity. Photon motion is due to inherent property of motion in all direction and in all type of property of mass of Yin part of Basic building blocks . The mass property of Yin B.B.B is not a dead part reality of God particles rather it could connect itself with mind part of reality to follow all orders made by CCP . Once the information's ( Code PcPs- spin , velocity , directions , magnitude , type of red shift and blue shift etc ) are formed , the mass of Yin translates it and it works accordingly .

**Keywords:** Atomic-genetics, Mind and Mass, Basic Building Blocks, Divine Mechanics, Fundamental Particles and Fundamental interactions.

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### I. Introduction

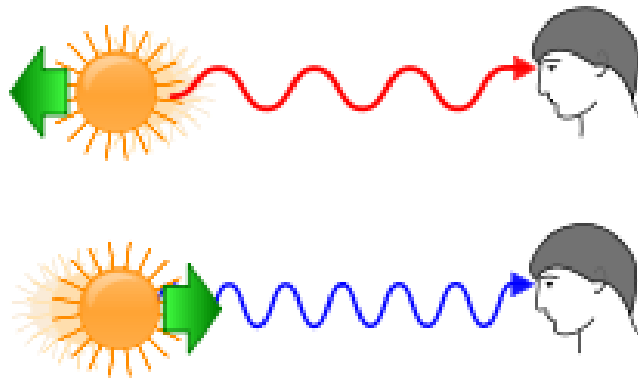
#### 1.1 Red shift and blue shift according to modern science

Redshift and blueshift [1] describe how light changes as objects in space (such as stars or galaxies) move closer or farther away from us. The concept is key to charting the universe's expansion. Visible light is a spectrum of colors, which is clear to anyone who has looked at a rainbow. When an object moves away from us, the light is shifted to the red end of the spectrum, as its wavelengths get longer. If an object moves closer, the light moves to the blue end of the spectrum, as its wavelengths get shorter. To think of this more clearly, the European Space Agency suggests, imagine yourself listening to a police siren as the car rushes by you on the road. "Everyone has heard the increased pitch of an approaching police siren and the sharp decrease in pitch as the siren passes by and recedes. The effect arises because the sound waves arrive at the listener's ear closer together as the source approaches, and further apart as it recedes," ESA wrote. Sound and light—This sound effect was first described by Christian Andreas Doppler and is called the Doppler effect. Since light also emanates in wavelengths, this means that the wavelengths can stretch or crunch together depending on the relative position of objects. That said, we don't notice it on daily-life-sized scale because light travels so much faster than the speed of sound — a million times faster, ESA noted. American astronomer Edwin Hubble (who the Hubble Space Telescope is named after) was the first to describe the redshift phenomenon and tie it to an expanding universe. His observations, revealed in 1929, showed that nearly all galaxies he observed are moving away, NASA said. "This phenomenon was observed as a redshift of a galaxy's spectrum," NASA wrote. "This redshift appeared to be larger for faint, presumably further, galaxies. Hence, the farther a galaxy, the faster it is receding from Earth." The galaxies are moving away from Earth because the fabric of space itself is expanding.

While galaxies themselves are on the move — the Andromeda Galaxy and the Milky Way, for example, are on a collision course — there is an overall phenomenon of redshift happening as the universe gets bigger. The terms redshift and blueshift apply to any part of the electromagnetic spectrum, including radio waves, infrared, ultraviolet, X-rays and gamma rays. So, if radio waves are shifted into the ultraviolet part of the spectrum, they are said to be redshifted — shifted toward the lower frequencies. The redshift of an object is measured by examining the absorption or emission lines in its spectrum. These lines are unique for each element and always have the same spacing. When an object in space moves toward or away from us, the lines can be found at different wavelengths than where they would be if the object were not moving (relative to us). [Related: Make Your Own Spectroscope] Redshift is defined as the change in the wavelength of the light divided by the wavelength that the light would have if the source was not moving — called the rest wavelength:

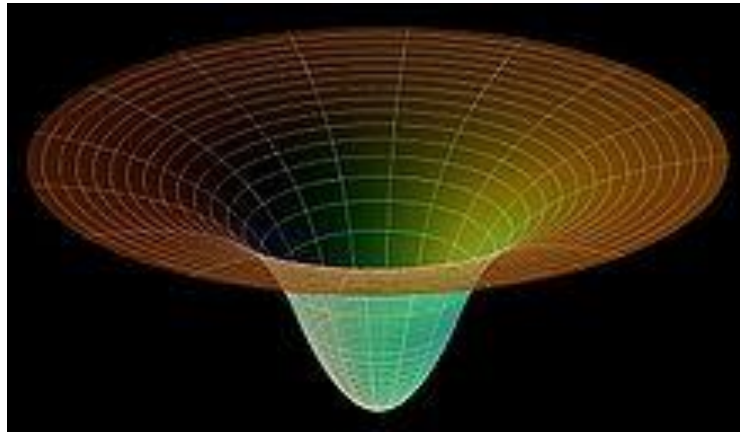
Redshift = (Observed wavelength – Rest wavelength)/(Rest wavelength)

Three types of redshift



### **Doppler redshift and blueshift**

At least three types of redshift occur in the universe — from the universe's expansion, from the movement of galaxies relative to each other and from "gravitational redshift," which happens when light is shifted due to the massive amount of matter inside of a galaxy. This latter redshift is the subtlest of the three, but in 2011 scientists were able to identify it on a universe-size scale. Astronomers did a statistical analysis of a large catalog known as the Sloan Digital Sky Survey, and found that gravitational redshift does happen — exactly in line with Einstein's theory of general relativity. This work was published in a Nature paper. "We have independent measurements of the cluster masses, so we can calculate what the expectation for gravitational redshift based on general relativity is," said University of Copenhagen astrophysicist Radek Wojtak at the time. "It agrees exactly with the measurements of this effect." The first detection of gravitational redshift came in 1959, after scientists detected it occurring in gamma-ray light emanating from an Earth-based lab. Previous to 2011, it also was found in the sun and in nearby white dwarfs, or the dead stars that remain after sun-sized stars cease nuclear fusion late in their lives.



Matter waves ( proton, electron , photon, etc ) falling into a gravity well become more energetic and undergo observer-independent blueshifting .Photons climbing out of a gravitating object become less energetic. This loss of energy is known as a "redshifting", as photons in the visible spectrum would appear more red. Similarly, photons falling into a gravitational field become more energetic and exhibit a blueshifting. ... Note that the magnitude of the redshifting (blueshifting) effect is not a function of the emitted angle or the received angle of the photon—it depends only on how far radially the photon had to climb out of (fall into) the potential well.

1.2 Mind and Mass Realities [2]

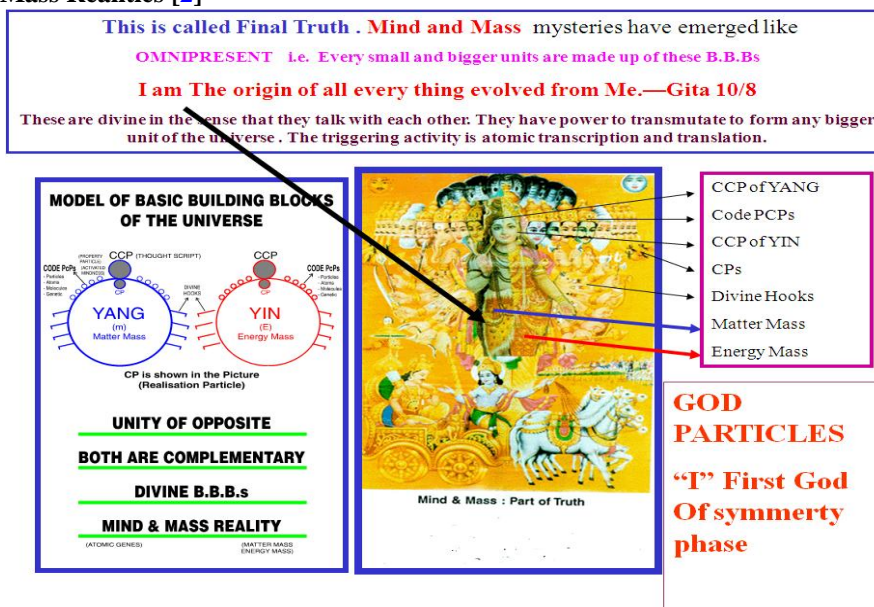


Fig. 1 Divine Mechanics Unit – CCP, CP and information s – Code PcPs with B-Bit – Mass

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 “T” about 5000 years back to Arjuna in Mahabharata as shown in 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 conscious ness 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 PCPs 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.[3]

Messages From Biological world to understand B.B.B world as shown in Fig 2 [2, 3]

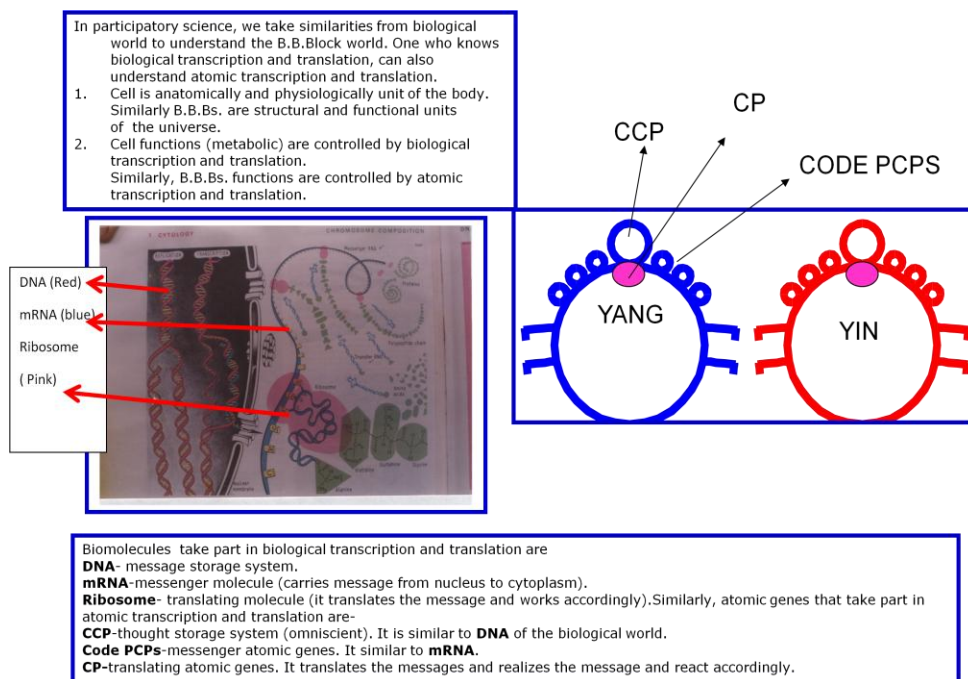
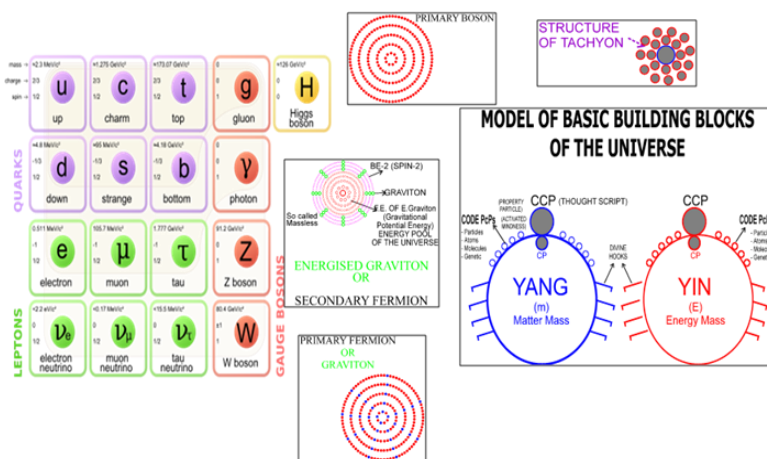


Fig.2 Biological World and Basic Building Block world

The standard model not only modified rather it has been completed [4] with introduction of energized gravitons , primary fermions, primary bosons , Basic Building Blocks , Mind and Tachyons as shown in Fig 3.



Standard model completed with Fundamental particles and Mind And Tachyons

Fig. 3 standard Model chart [4]

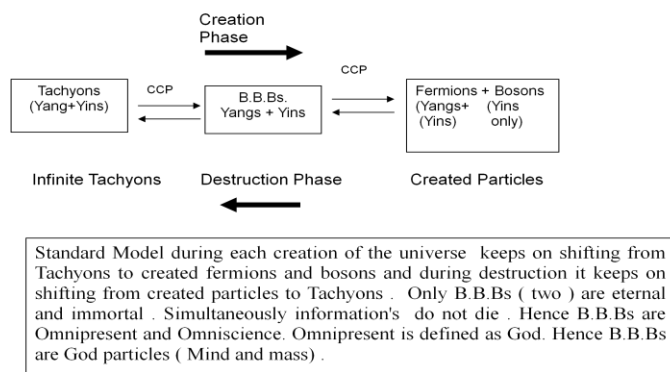


Fig 3.1 one creation and destruction cycle [2]

### 1.3 Prayer message formation in brain.

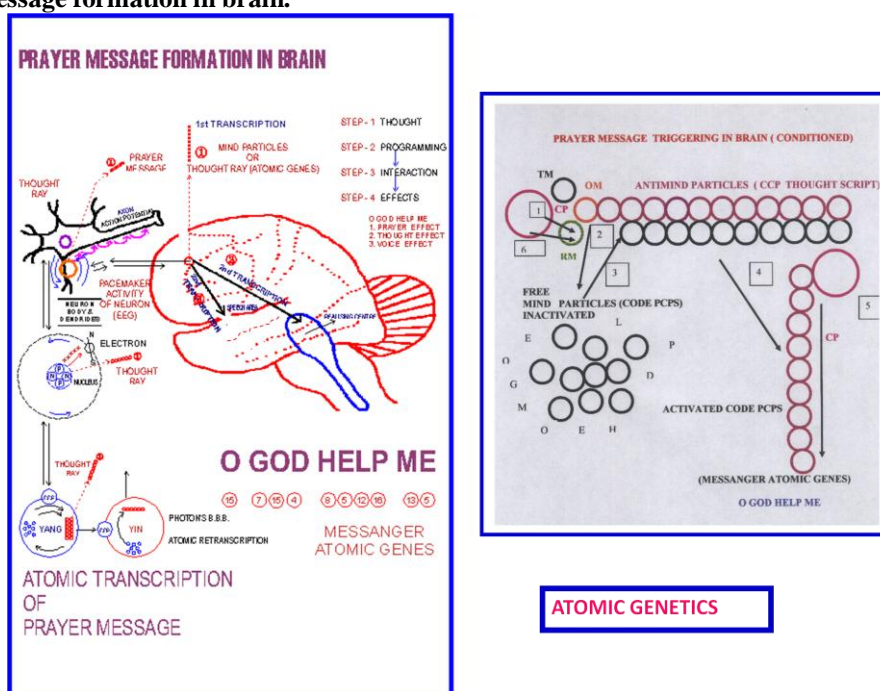


Fig. 4 Divine Mechanics Prayer message formation in brain

In atomic transcription and translation of prayer , [3] following steps take place on Yang B.B.B – B-Bit as shown in Fig 4.

- 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 forms .

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. 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 ? as shown in Fig 8**

Prayer message goes ( 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 (5and 6) to normal (2 and 3). This shifting of thought expression is called **ATOMIC GENETIC ENGINEERING** as shown in Fig 4.1

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** as shown in Fig 4.1. Final stamp of success to New Theory [5]

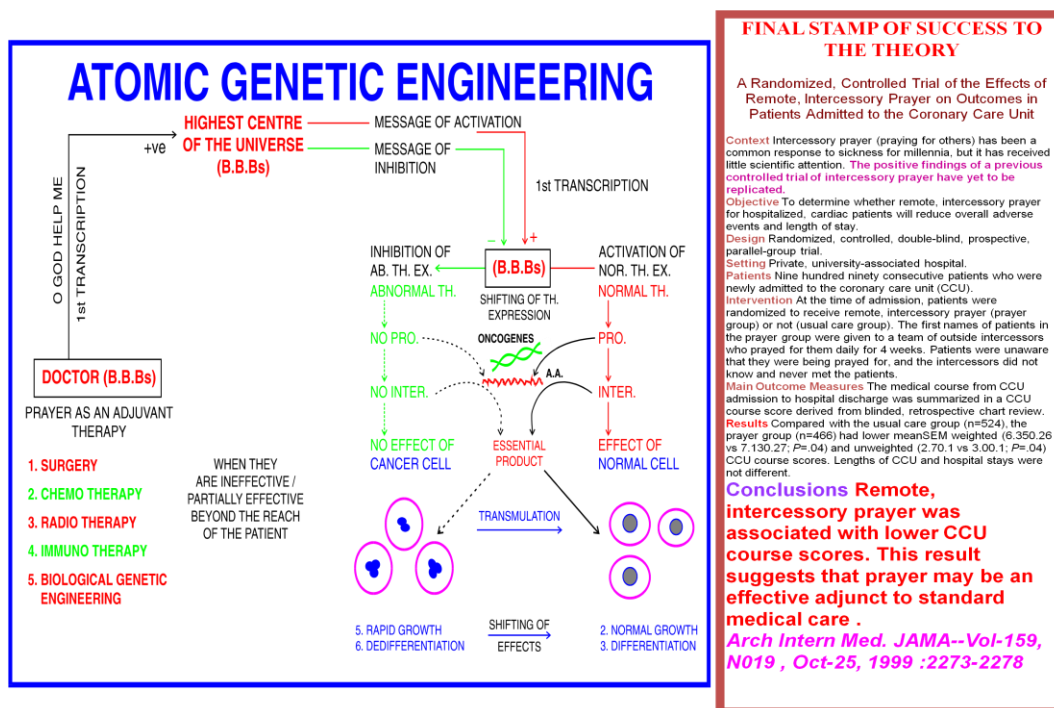


Fig. 4.1 A.G.E and Final stamp of success to New Theory

### 1.4 Message system of the Universe

Before the origin of the universe 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

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 5 . [3]**

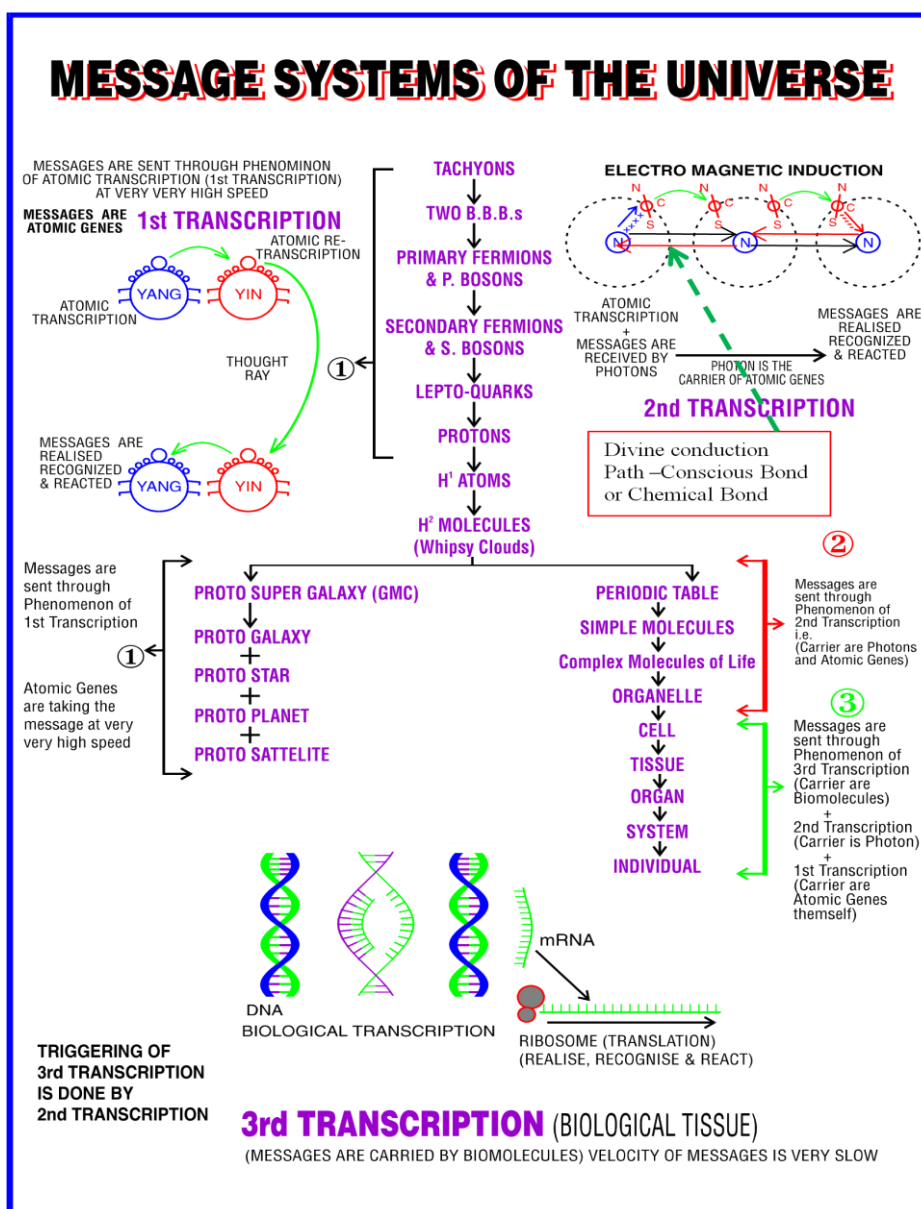


Fig. 5 Messages system of the universe

**1.5 How does nature work & triggering of normal & abnormal effects**

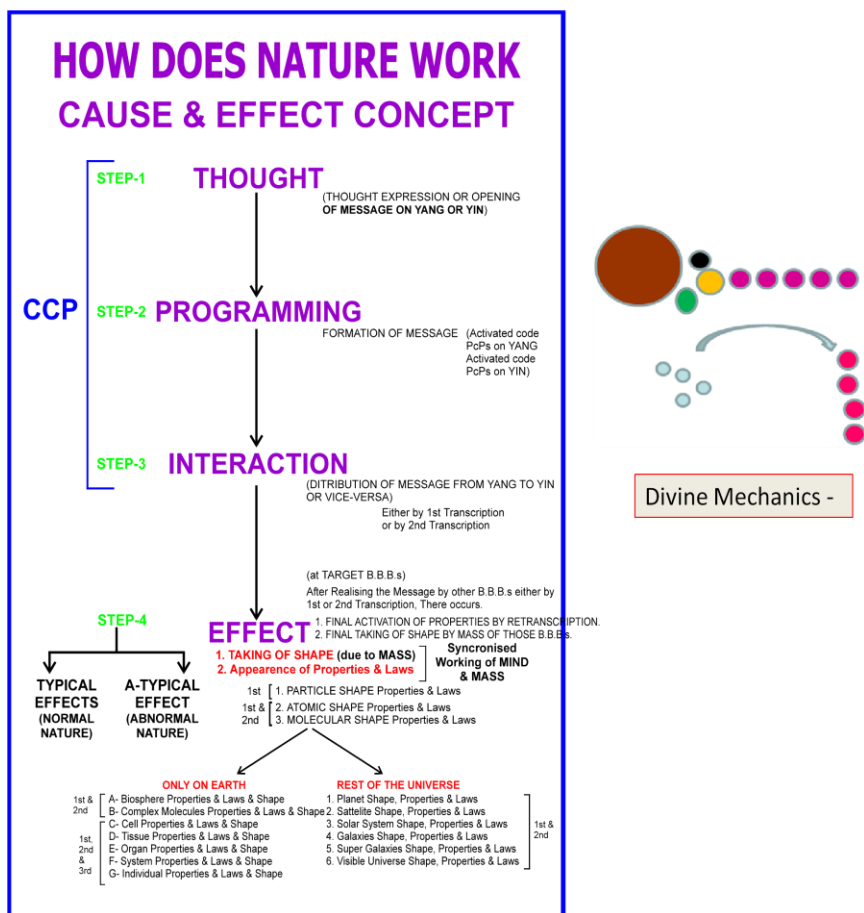
To understand creation physics we have to see Fig 6 and Fig 7. . There are two types of thought stimulation . One is **CONDITIONED THOUGHT STIMULATION** and other one is **UNCONDITIONED THOUGHT STIMULATION**.

**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 [3], 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.

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. These B.B.Bs are 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.



**Fig. 6 Divine Mechanics How Does Nature work ?**



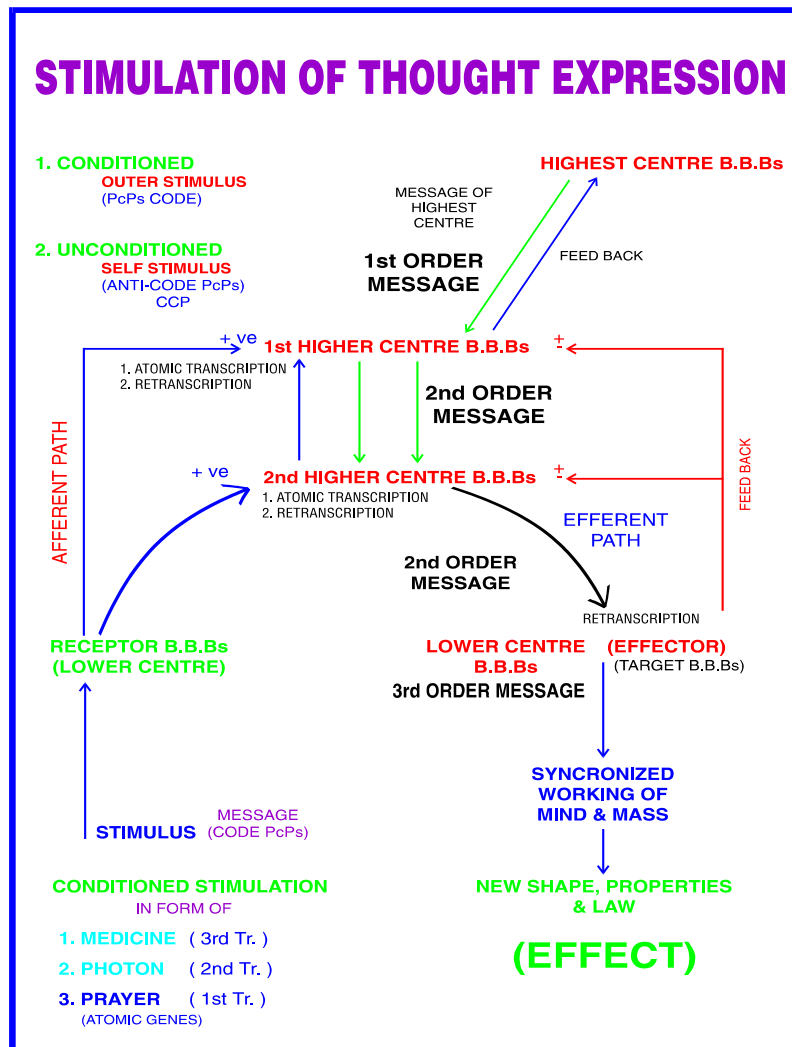


Fig. 7 Conditioned and Unconditioned thought expressions

### 1.6 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 [3]. 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.

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 Fig 8.

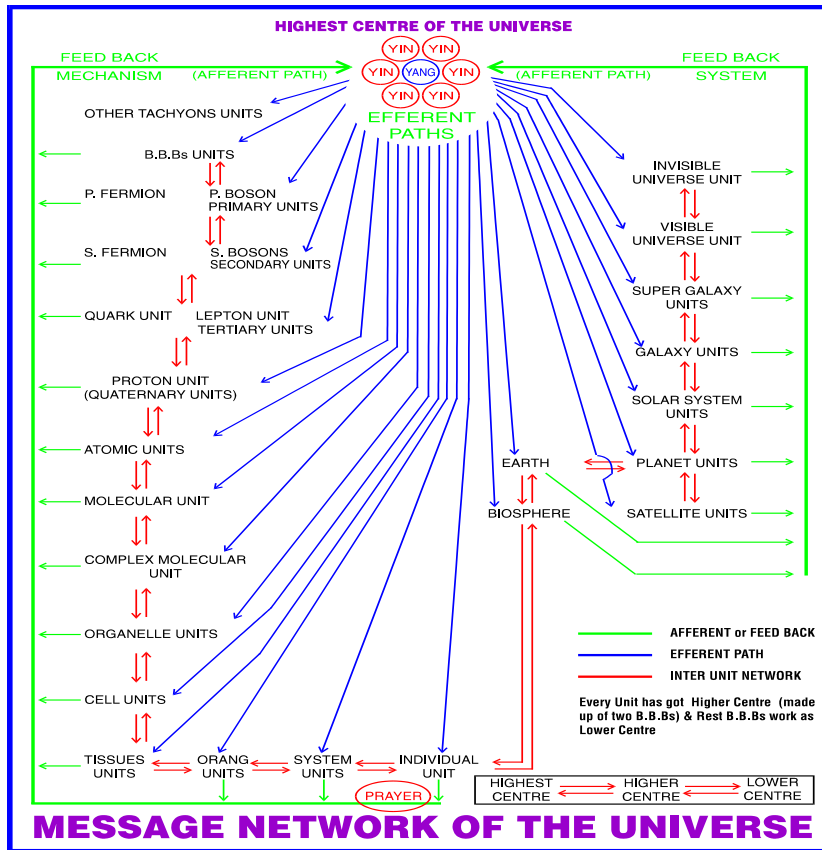


Fig. 8 Messages Net work of the Universe

1.7 Conditioned stimulation of CCP and phenomenon Dispersion of White light – Divine spectroscopy

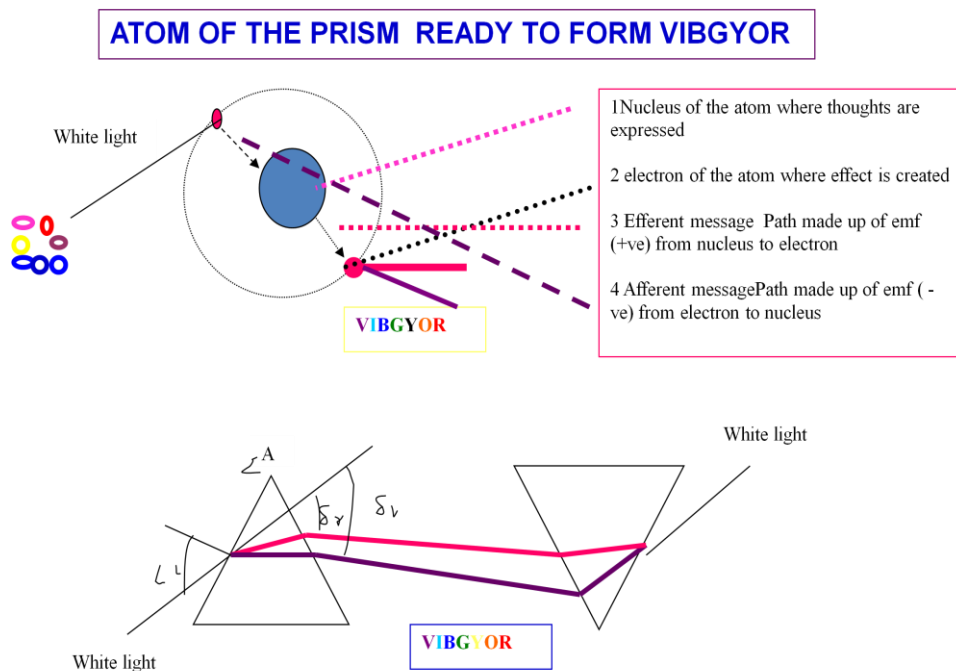


Fig 8.1 conditioned Stimulation of thought expression

Formation of VIBGYOR [3] is due to conditioned thought expression of CCP of the prism atoms. Unless different thoughts are expressed, VIBGYOR formation could not take place. The same is true for white light formation from VIBGYOR in reverse prism. Here reverse thoughts are expressed. as shown in Fig 8.1 and Fig 8.2.

## **II. Mechanics Of Vibgyor Formation**

Polychromatic light, having come in contact with the electron of the atom of the prism at incidence surface, send stimulus to the higher center ( B.B.B) in the nucleus of the atom via afferent message path ( -ve charged particle) ( second transcription message system ). Having received the message the higher center ( CCP) expresses three thoughts – 1. Thoughts of breaking of grouping of polychromatic light into different monochromatic photons. 2. Thoughts of setting of different reduction in velocities of different monochromatic photons. 3. Thoughts of setting of different angle of deviation of different monochromatic photons. These messages are carried by different Code PCPs in form of +ve charged particle from nucleus to electron via efferent message path ( second transcription message system ). It is called interaction phenomenon. Having received the different messages by different monochromatic photons of poly chromatic light, the mind and mass of different monochromatic photons work accordingly. With the result we observe VIBGYOR formation with different reduction in velocities with different angle of deviation at the emergent end of the prism. This is called **CONDITIONED STIMULATION** of CCP. ( please see diagram. Fig 8.1 and Fig 8.2 . Stimulation of thought expressions and How does nature work .

New Setting of angle of deviation  $\delta$  with change of angle A, angle of incidence  $i$ ,  $\lambda$  ( wave length),  $\mu$ , and density and temperature is due to change in thought expression of setting of angle of deviation each time. When new setting of these parameters are there, higher center of the prism is informed about these new setting and that is why it changes new setting of angle of deviation each time.

Thoughts of formation of primary VIBGYOR are fed thoughts. This feeding was done in pre creation era by the highest center of the universe. The theory predicts – had highest center fed reversed primary VIBGYOR thoughts in pre creation era, we would have got reversed primary VIBGYOR. In future, if highest center of the universe would change the present fed thoughts to reversed primary VIBGYOR thoughts, we would see the reversed primary VIBGYOR.

## **III. Conclusion Of The Experiment.**

Both polychromatic light as well as prism are divine units. It means their working is triggered by atomic transcriptions or thought expressions.

## **IV. Mechanics Of White Light Formation From Vibgyor**

When different monochromatic photons fall on the surface of another prism placed in upside down position, the message is shifted to CCP of the higher situated in the nucleus of the atom via afferent message path made up of –ve charged particles. The higher center ( B.B.B. ) expresses three thoughts. 1. Thought of formation of polychromatic light. 2. Thought of different reduction in velocities of different monochromatic photons. 3. Thought of different conversion of different monochromatic photons. With the result different Code PCPs messages are formed. These different messages move from higher center to target B.B.Bs via efferent message path made up of +ve charged particles from nucleus of the atom to electrons where the message is received by basic building blocks of different monochromatic photons. Having received the messages by target B.B.Bs i.e. monochromatic Photons, they work accordingly and finally we observe white light at emergent surface as shown in Fig 8.1 and Fig 8.2.

Thoughts of formation of white light from VIBGYOR are fed thoughts. The feeding was done by the highest center of the universe during pre creation era. On Getting the stimulus at the right time, these thoughts got expressed. With the result the phenomenon of formation of white from VIBGYOR was seen by placing the reversed prism in the line of VIBGYOR. This is also called **CONDITIONED STIMULATION** of thought expressions.

## **V. Conclusion Of The Experiment.**

Both monochromatic photons as well as prism are divine units. They are not physical units. It means their working is triggered by atomic transcriptions or thought expressions.

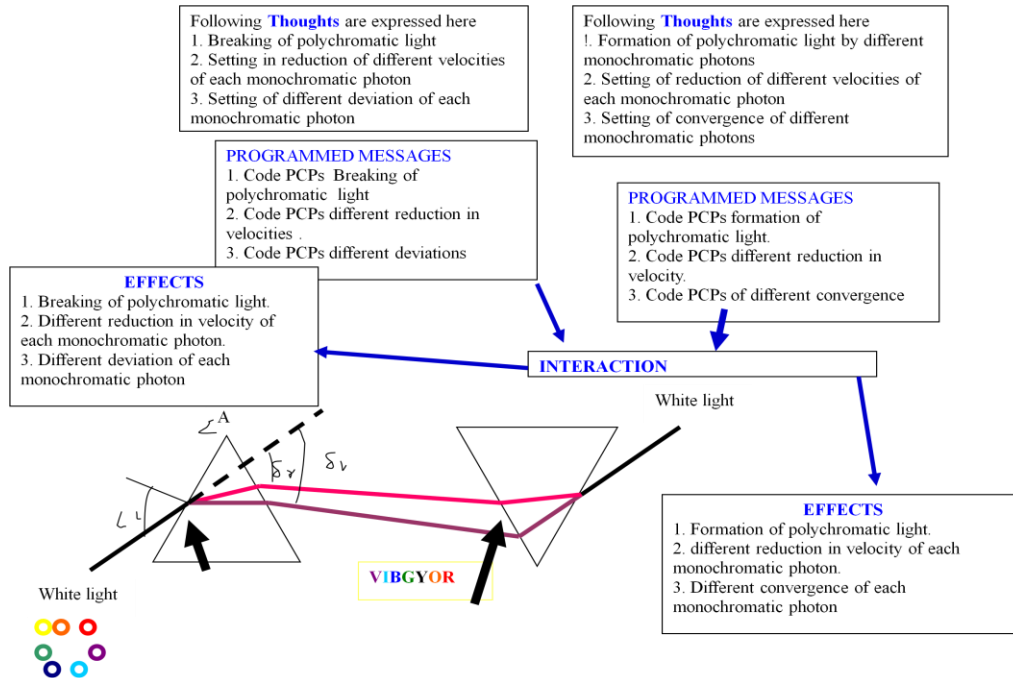


Fig. 8.2 conditioned Stimulation of thought expression

2.Text

2.1 To understand red shift and bleu shift , we have to understand structure of white light( tertiary bosons) as shown in Fig 9 and The spectrum of light [6]

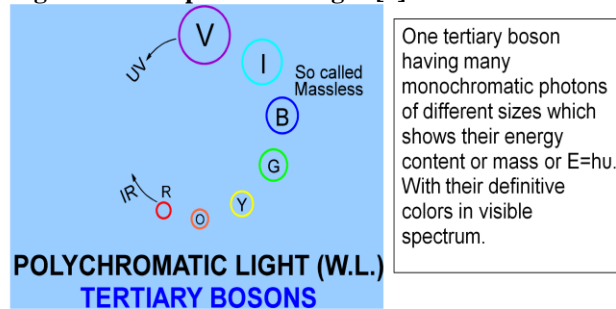


Fig 9 Structure of Tertiary boson

Structure of Cosmic Gamma rays , X-rays , Visible rays , Microwave and Radio As shown in Fig 10

	COSMIC	GAMMA	X-RAY	VISIBLE	MICROWAVE	radio
1. Size of photon (mass)	very big	big	small	very small		
2. Energy content ( $hu$ )	very high	high	small	very small		
3. Wave length ( $\lambda$ )	very small	small	big	very big		
4. Color carrying	nil	nil	vibgyor	nil		
5. Number of energy B.B.Bs.	very huge	huge	less	very less		
6. Transformation properties	they transform into each other but with addition or subtraction of B.B.Bs (merging property.)					
7. Nomenclature	secondary boson	sec bos	sec bos	sec boson		
8. Transformation into other energies like electrical, kinetic, magnetic, sound etc is possible .						
8. work through Mind	yes	yes	yes	yes		
	hence they are divine particles.					

Fig. 10 Structure of Cosmic Gamma rays , Xrays , Visible rays , Microwave and Radio

## 2.2 Divine Spectroscopy At Receptient End [6]

Formation of Qualitative and Quantitative Index of any Spectrum and red shift and blue shift of spectrum

**LAW OF QUALITATIVE INDEX** - The law states that each tertiary boson or polychromatic light carries the entire signature of atoms or molecules (absorption lines or emission lines). It means signature of atoms and molecules do not move in many tertiary bosons rather it moves in **one tertiary boson**. (Hence one atom is responsible for entire signature (emission lines or absorption lines) not groups of atoms or molecules.) as shown in Fig 11.

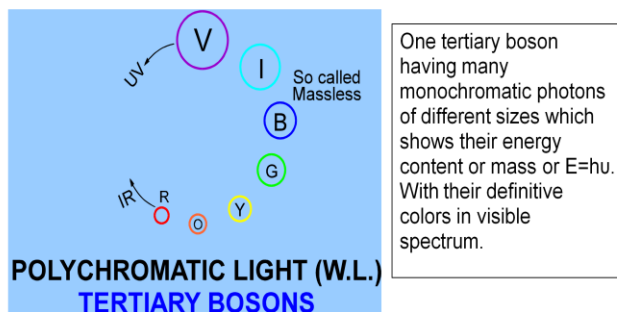


Fig .11 structure of White Light WL

When this tertiary boson gets dispersed by prism, the signatures (absorption lines or emission lines) get opened and dispersed and they occupy the entire x-axis of spectrum. (there are three tertiary boson red, blue and green occupying y-axis i.e. qualitative index. When they get opened, the monochromatic photons occupy x-axis and thus length (x-axis) and breath (y-axis) of spectrum is formed.) as shown in Fig 12.

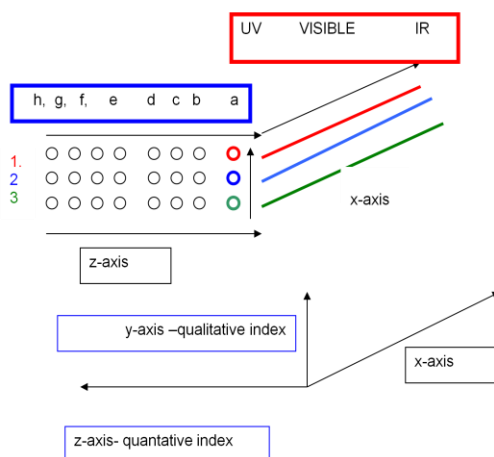


Fig. 12 formation of length and breath of spectrum

Thus signatures coming in one tertiary boson (red one) forms the upper border or part of spectrum, blue one forms the middle part of spectrum and the green one forms the lower border or part of spectrum. Thus all tertiary bosons (only front one or a of z-axis) present on Y-axis form the length (x-axis) and breath (y-axis) of spectrum as shown in Fig 13. Hence there are thousands of tertiary bosons present on y-axis (only front one or a of z-axis) form the length and breath of spectrum. Thus **QUALITY OF SPECTRUM** appears i.e. signatures of atoms and molecules appear before us. See below.

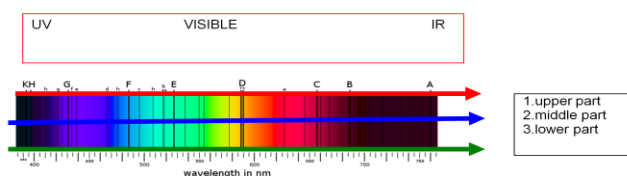
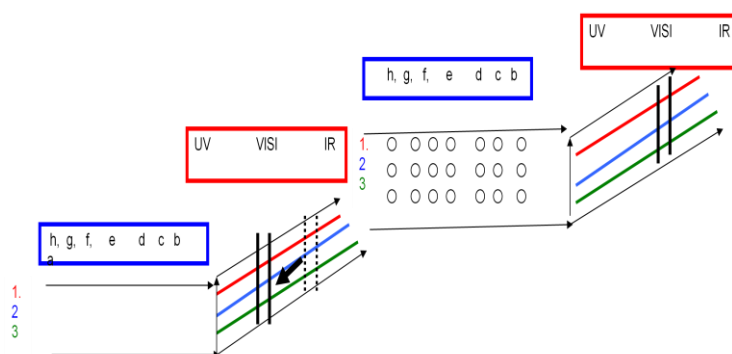


Fig. 13 signature of atoms and molecules carried by WL

**Law of Quantitative Index –**

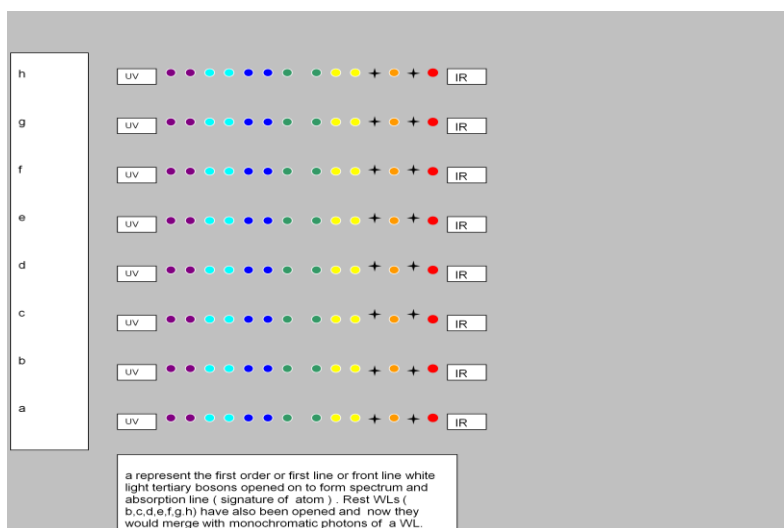
The law states that the tertiary bosons present on z axis (b,c,d,e,f,g,h) form the quantitative index of the spectrum as shown in Fig 14 ( the energy content or energy mass of monochromatic photons present in unit length of tertiary bosons ( b,c,d,e,f,g,h) ). On opening they get merged with the energy masses of all monochromatic photons (of a of 1. red , 2. green and 3. blue )which were forming length and breath of spectrum initially. On merging they simultaneously transform into higher energy content or bigger masses of monochromatic photons thus shifting the signatures of atom or molecules to wards blue end of the spectrum by thought as shown in Fig 14 .



**Fig .14** merging of rest tertiary bosons ( z axis ) in spectrum and shifting of the signature to blue end

Before merging of tertiary bosons of z axis (h,g,f,e,d,c,b) , the signatures are present to wards red end of spectrum made by first line of tertiary bosons i.e. a of red, blue and green. After merging of tertiary bosons of z axis of white light represented by h,g,f,e,d,c,b, the signatures are shifted towards blue end of spectrum because quantitative index or energy content of spectrum has enhanced by merging and transmutation of mono chromatic photons present on z axis ( h,g,f,e,d,c,b) of white light with a of 1,2,3, . merging of monochromatic photons and transmutation and shifting towards blue end is triggered by separate thoughts (MIND) which are stimulated by conditioned stimulation. What ever signatures of atoms and molecules do we get on earth at stationary source , all signatures are normally shifted towards blue end to which we **call reference signature of atoms and molecules.**

Opening of WL photons to form qualitative index and merging of monochromatic photons of quantitative index followed by transmutation and shifting towards blue end of the signature as well as of entire spectrum thus forming reference spectrum on earth as shown in Fig 15, Fig 16, Fig 17 and Fig 18 )



**Fig. 15** WL of z axis before forming spectrum and merging they get opened

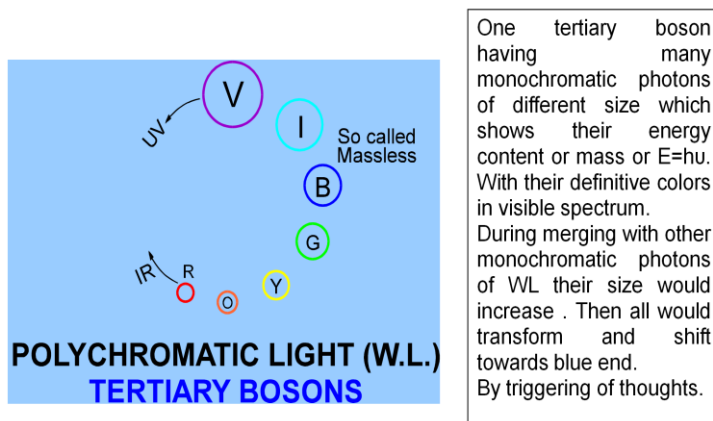


Fig. 16 WL photon structure

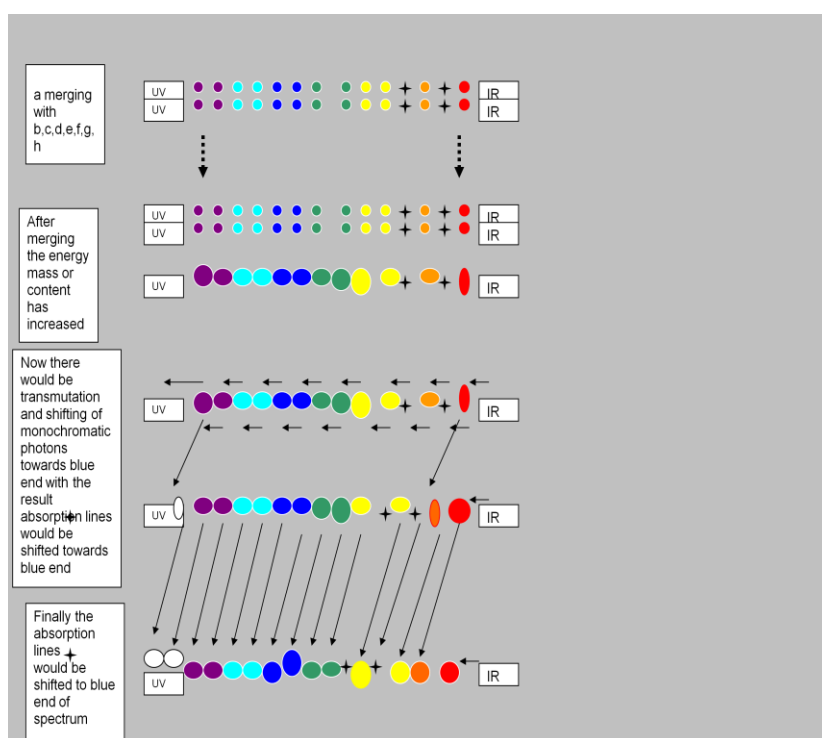


Fig. 17 Merging and shifting of monochromatic photons and shifting of signature –absorption lines

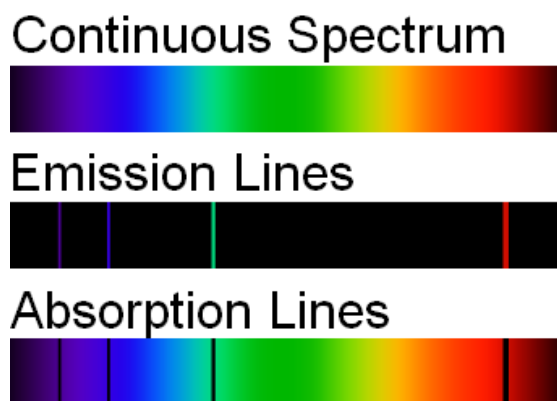


Fig. 18 types of different reference spectrum

Structure of WL Photons of continuous spectra , emission line spectra and absorption line spectra and their formation as shown in Fig 19, Fig 20, Fig 21 Fig 22 and Fig 23 .

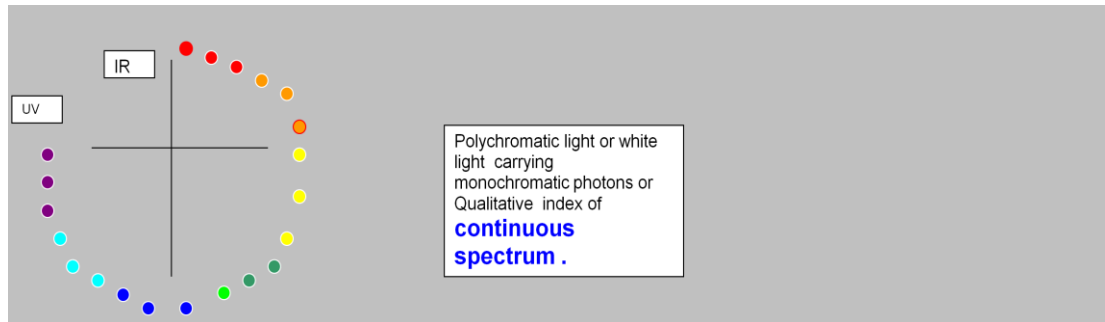


Fig. 19 WL Photon of continuous spectrum

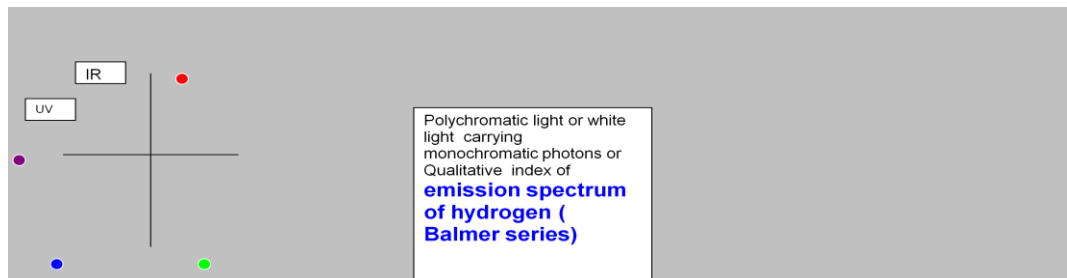


Fig. 20 WL photon of Balmer series , emission spectrum of Hydrogen

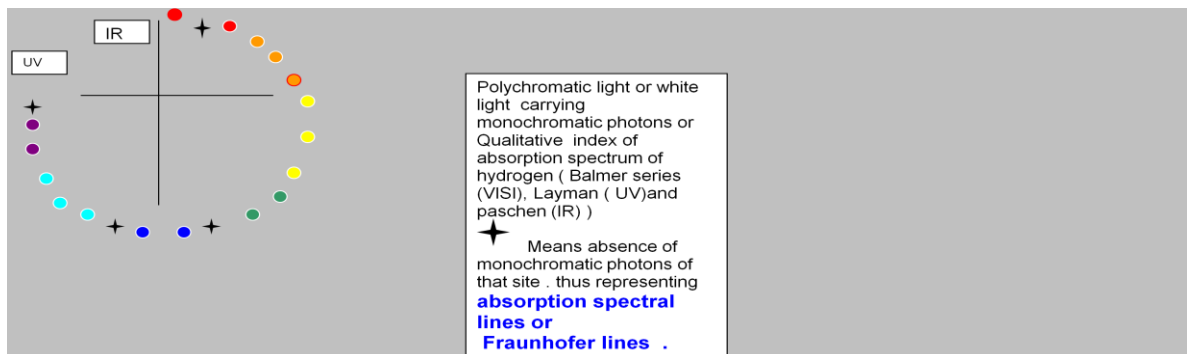


Fig. 21 WL photon of absorption spectrum of Hydrogen



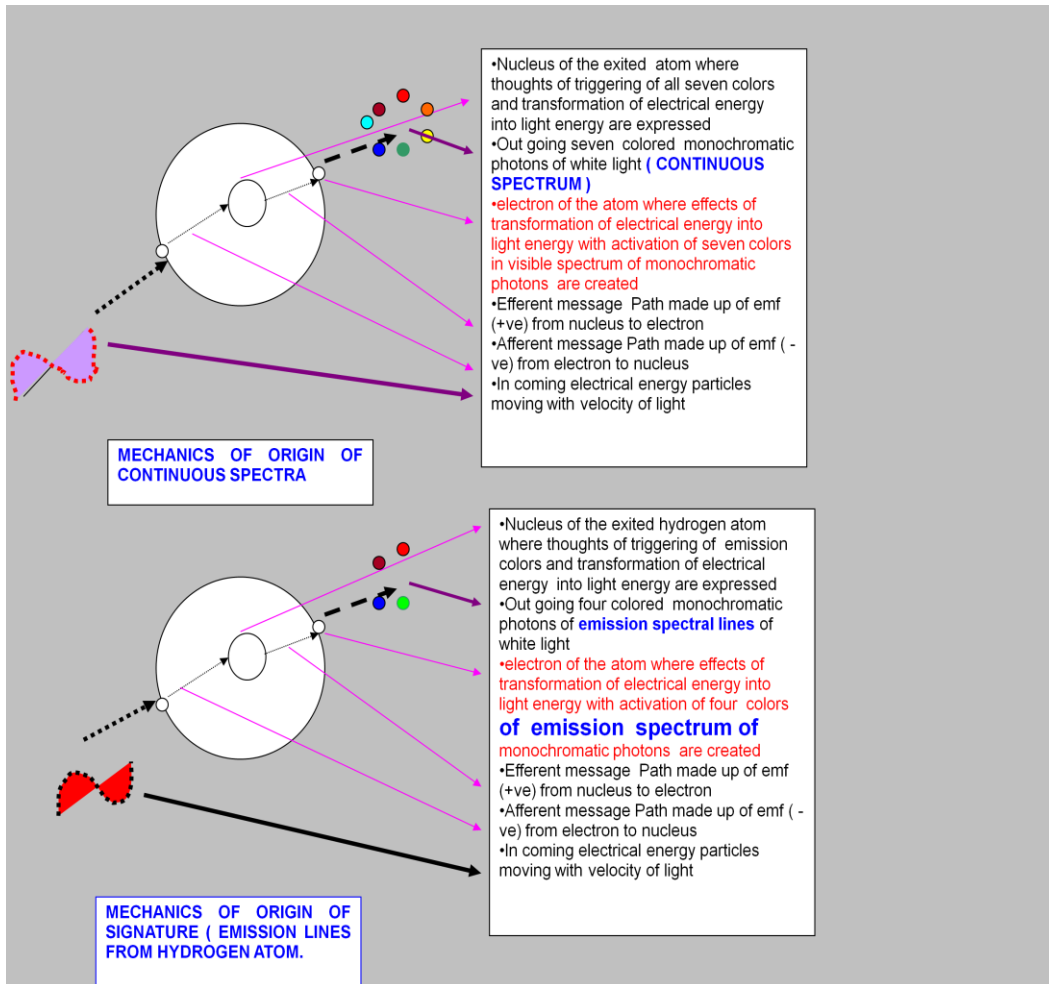


Fig. 22 Formation of continuous spectra and emission lines spectra of Hydrogen

The monochromatic photons are called emissary photons that form emission lines (  $H\alpha$ ,  $H\beta$ ,  $H\gamma$ ,  $H\delta$  ) of hydrogen atoms which are specific to hydrogen atom.

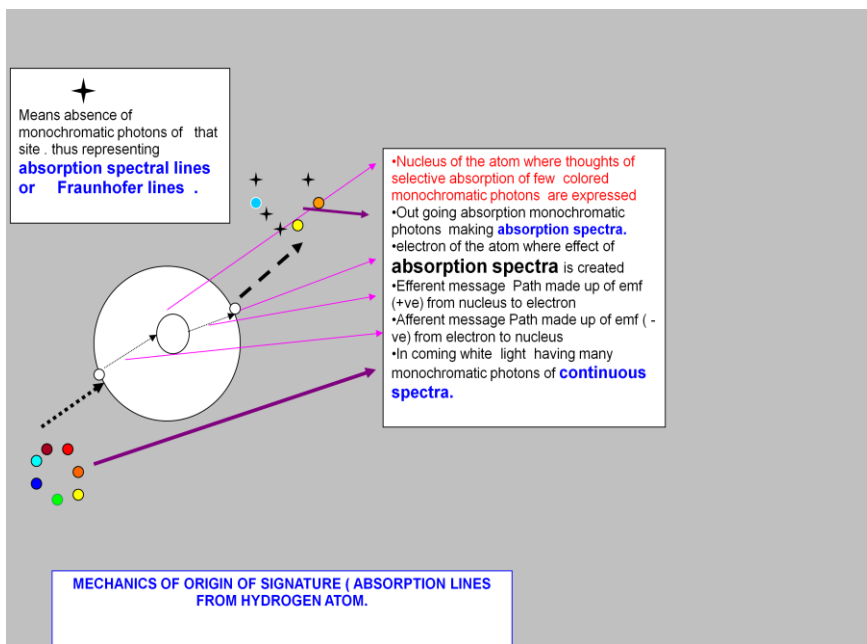


Fig. 23 Formation of absorption spectra of Hydrogen

And when this WL pass ( continuous spectrum) through colder gaseous atmosphere , then there is drop of monochromatic photons ( H $\alpha$ , H $\beta$  , H $\gamma$ , H $\delta$  ) in polychromatic light or they get absorbed by that hydrogen gas , with the result we observe absorption lines or Fraunhofer lines (H $\alpha$ , H $\beta$  , H $\gamma$ , H $\delta$  ) of that hydrogen atom which are specific to it. Each WL forms qualitative index (first) of the spectrum. It never changes.

Formation of reference spectrum , Red shift and Blue shifts spectrum as shown in Fig 24 , Fig 25 and Fig 30 .

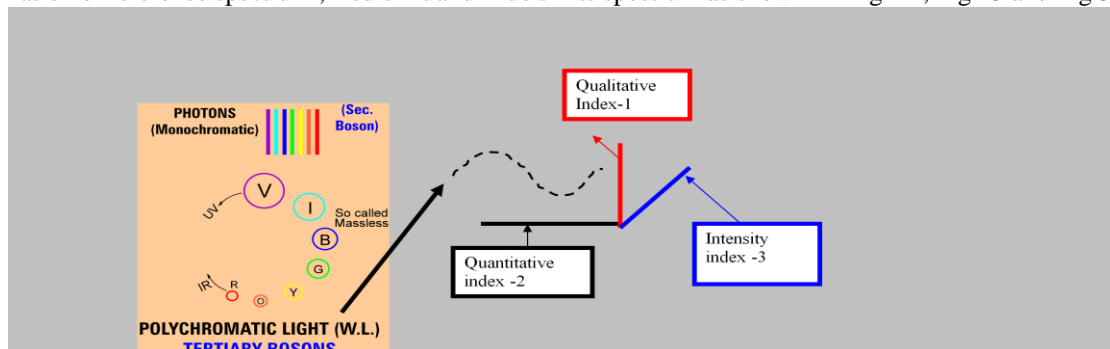


Fig. 24 The WLPs per unit length forms the quantitative index ( **second** ) of the spectrum and it is normal on earth.

The WLPs per unit length forms the quantitative index ( **second** ) of the spectrum and it is normal on earth and called reference spectrum as shown in Fig. 24

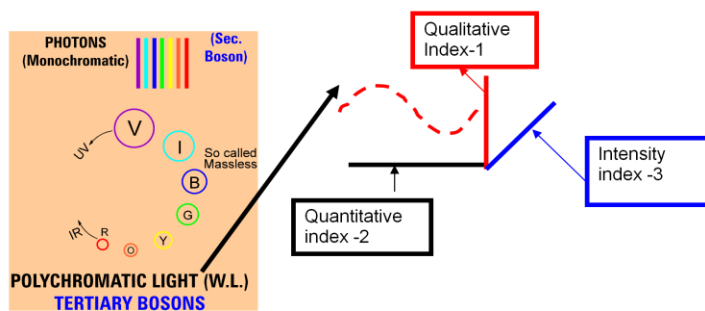
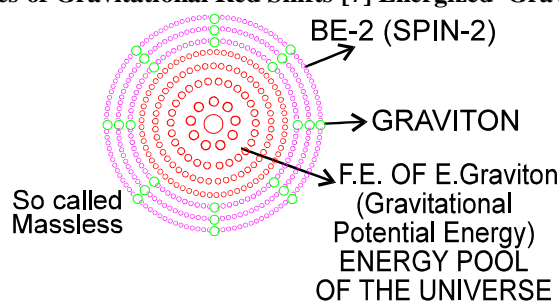


Fig. 25 WL photons per unit length get reduced

But in **gravitational red shift effect** or **Doppler's red shift** as shown in Fig 25 , the WL per unit length gets reduced , thus quantitative index is reduced or lowered than normal ( ( **call reference signature of atoms and molecules** ) Thus spectrum of hydrogen is shifted towards red end . There is rearrangement ( merging and transmutation ) of all monochromatic photons towards red end by atomic transcription when they pass through prism. Thus absorption lines are also shifted towards red end .

### 2.3 Triggering and mechanics of Gravitational Red Shifts [7] Energized Graviton and Its Energies



## ENERGISED GRAVITON OR SECONDARY FERMION

**Fig. 26** energies of energized gravitons

There are two types of energy involvement in energized graviton as shown in Fig 26.

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.

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. 26 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

#### **Gravitational Lens Effect** or interaction of energized gravitons and photons

It does not involve principles of lens magnification therefore it is not lens effect rather it is gravitational magnification effect due to deflection gradient produced by energized gravitons among parallel rays of light approaching to observer making image. 1.Shifted from original position ,2.Distorted from original shape , 3.Magnification from original size.. The detail mechanics will be given when role of eyes and brain will be discussed in seeing any object. Because whatever we see or realize (3-D effect) ,it is our eyes which interact with image forming photons and brain which realizes the effect (picture formation site for both real and apparent images). Consciousness can only differentiate between these two pictures when it is previously trained (conditioned or acquired reflex). All apparent images (Distortion deflection and magnification) are formed in brain not outside as eyes (Retina) receive image-forming photons (apparent or real). These image-carrying photons get altered due to interaction with energized gravitons and this altered image is received by retina and formed in brain (ophthalmic area). Finally consciousness realizes or translate ( in RAS) distortion deflection and magnification. For example: Hunters while killing fish under water do not aim at apparent image because their consciousness know that this image is an illusion. Thus illusion is produced by image forming photons. In reality image forming photons get altered (in their distribution), while they cross water (media property of refraction) and these photons are received by eyes (retina) and the image (3-d realization) is formed in brain and consciousness sees altered image i.e. fish as if it is located, where modern physicists draw diagram in explaining

the effect of refraction. They draw position of apparent image of fish out side the brain i.e. in the water and in reality the apparent image (altered image) is formed in the brain as shown in Fig 27.

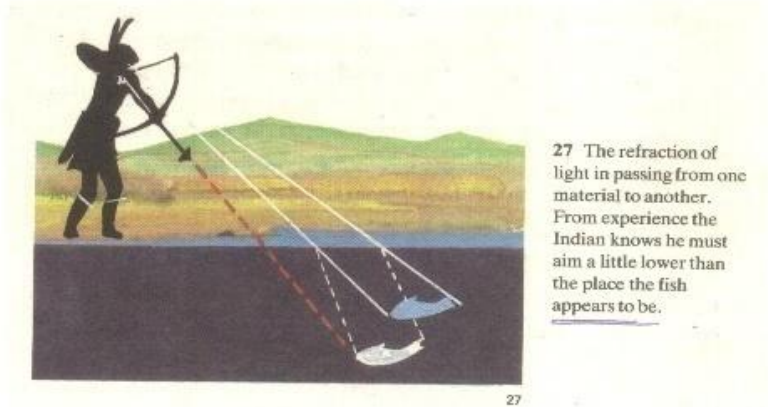


Fig. 27 Eyes see different than what the brain sees

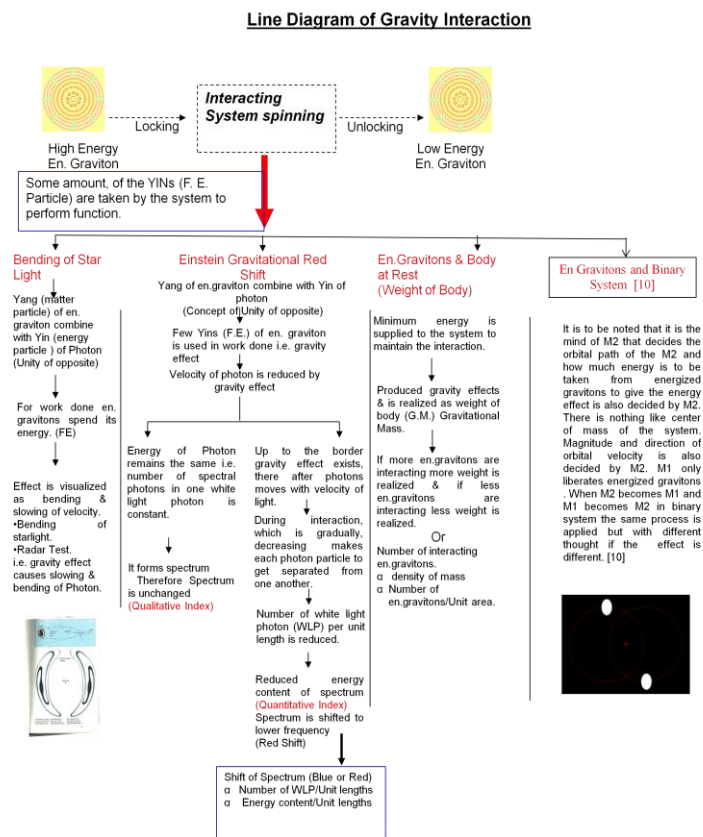


Fig. 28 Line diagram of gravity interaction

**Interaction of Photon (Boson) as shown in Fig 28 with energized Gravitons (Fermions) As soon photon leaves the massive body ( starlight,) or when it passes near massive body (quasar light) , it interacts with many energized gravitons of massive body. If the concentration of gravitons per unit area is above critical value the effect is visualized and if it is below critical value the effect is not visualized. The property of energized graviton (yang part only) is, when it interacts with boson (yin) the resultant is attraction. The energy utilized in this effect is from energized gravitons. The amount of energy of photon is much higher than the energy involved in attraction or velocity is much higher than those of escape velocity of massive body. So, a type of dragging effect develops which causes as shown in Fig 28.1 and Fig 29.**

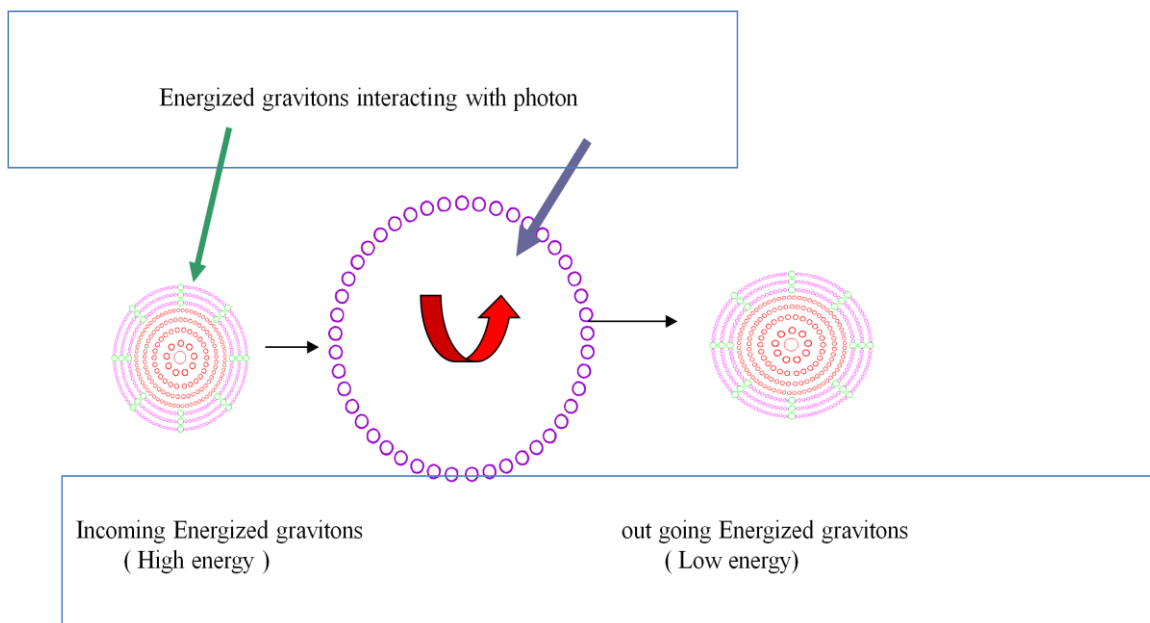


Fig. 28.1 energized graviton interacting with photon of massive body

1. Bending , 2. Slowing of velocity , 3. Gravitational red shift

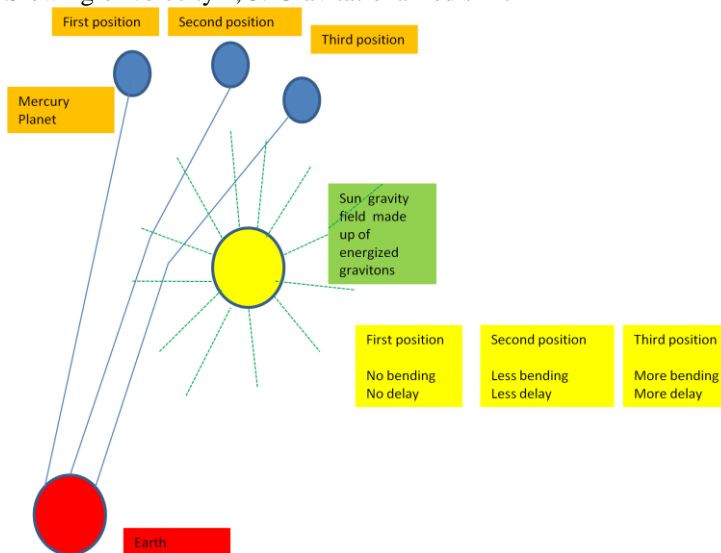


Fig 29 radar test

When the photon leaves effective area , the interaction stops and it moves straight and with its original velocity. Quanta of photon (amount of energy in one particle) does not reduce (Qualitative Index) but space between the two quanta increases (Quantitative Index). This reduced energy particle per unit length (Quantitative Index) causes red shift effect (wavelength of lower frequency) but spectral series (number and type - Qualitative Index) remain the same. Thus causing gravitational red shift. Quality of spectrum is unchanged but quantity of spectrum is lowered. The spectrum has got two indices one is qualitative index formed by quanta of each photon. While the shift is formed by number of photons per unit length calling quantitative index. If number of photons per unit length is increasing , it causes blue shift and if number of photons per unit length is decreasing , it causes red shift in the spectrum. The energy is supplied by energized gravitons in work done. Each Photon's energy remains the same. The same principle is applied with Doppler's red shift and blue shift. (Note: The detail mechanics will be given by participatory spectroscopy science after knowing atomic genetics)

Detail mechanics- When many energized gravitons lock with many WLPs coming in wave pattern , there is thought expression by CCP of one WLP ( higher center ) . There is programmed messages of CodePcPs of velocity reduction, Code PcPs of amount of bending and Code PcPs of magnitude of red shift ( Gravitational ) are formed . These messages spread in other WLPs taking part and Mass of monochromatic

photons having received the messages work accordingly and we observe , reduction in velocity of WLP , bending of WLPs and decreased number of WLP/unit length making the ray red shifted . It is divine mechanics that designs the effects . It is mind and mass interaction and it is fed and feeding was done in pre creation era by Highest center of the universe .

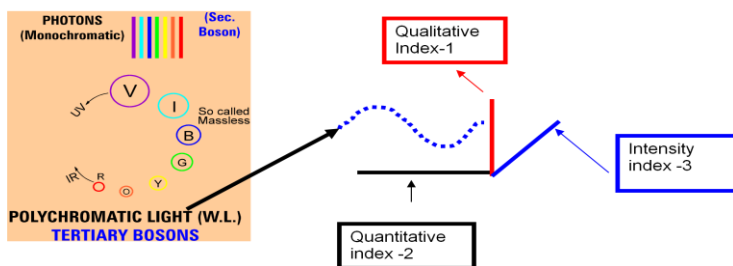


Fig. 30 WL photons per unit length get increased

2.4 While in Doppler's blue shift [6] as shown in Fig 30 , number of WL per unit length get increased with the result quantitative index is enhanced and we get increased WL per unit length and finally we get spectrum of hydrogen shifted towards blue end. There is rearrangement of all monochromatic photons towards blue end by atomic transcription when they pass through prism . Thus absorption lines are also shifted towards blue end .

The third index is intensity index ( **third** ) and when this index is increased, intensity of the spectrum is enhanced. It is controlled by slit.

2.5 Triggering of red and blue shift at source without gravitational shift effect .

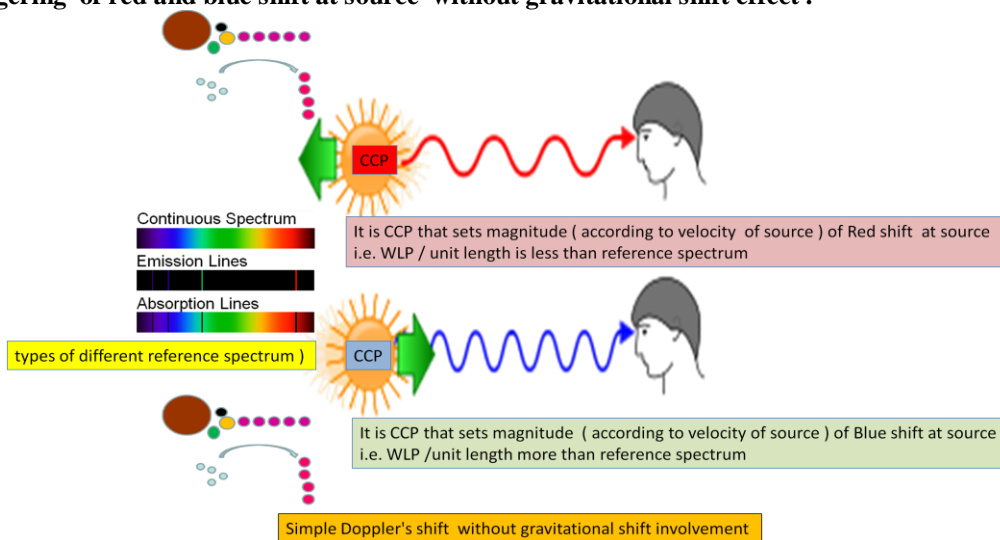


Fig. 31 Red shift and Blue shift without gravitational red shift involvement at source

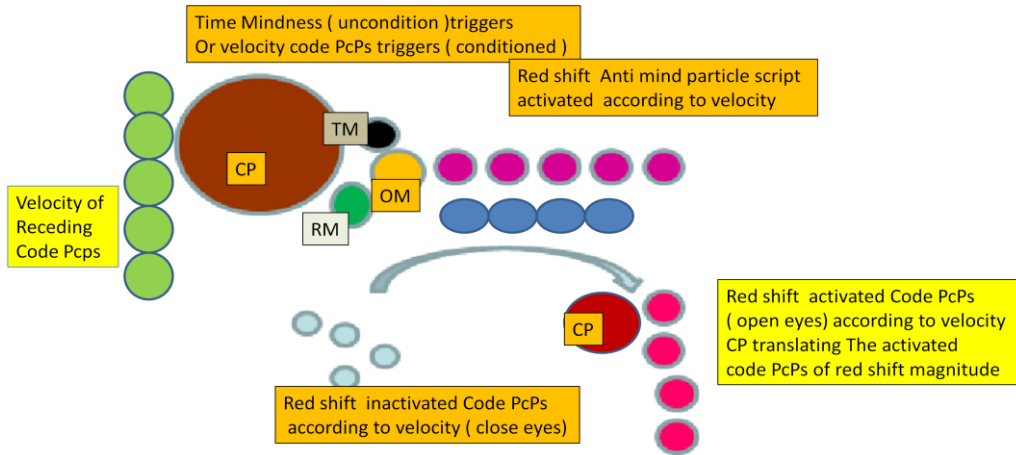


Fig. 32 Divine Mechanics in red shift information at source

In atomic transcription and translation of red shift (of source) formation, following steps take place on Yang B.B.B – B-Bit of source (Higher center) as shown in Fig 31 and Fig 32. TM triggers the act or velocity code PCPs triggers the act - If velocity is changing (retarding or accelerating), the triggering would also change with time.

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 (blue -inactivated code PCPs red shift – according to velocity) of that thought script (magenta) of “red shift – according to velocity”.
3. Free mind particles (blue -inactivated code PCPs red shift – according to velocity) get attached to anti mind particles script (magenta one) to form messenger thought script of “red shift – according to velocity”.
4. Messenger atomic genes (blue) 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 “red shift – according to velocity”.
5. CP carries phenomenon of splicing by translating the messenger activated atomic genes (activated code PCPs) and finally there is activated message of “red shift – according to velocity” is formed.
6. CP represses atomic transcription by adding RM (green) to OM (orange). Thus atomic transcription gets **halt**.

This message **activated code PCPs red shift – according to velocity** spreads to all WL photons taking part in red shift formation (WLP / unit length) at source. Having received the messages **activated code PCPs red shift – according to velocity** they re-transcript the messages and they work accordingly and they get arranged in wave pattern such that at recipient end they form pattern of spectrum of red shift according to velocity of receding from us.

Similarly magnitude of Blue shift triggering is done by CCP of the source.

## 2.6 Triggering of red and blue shift at source with gravitational shift effect

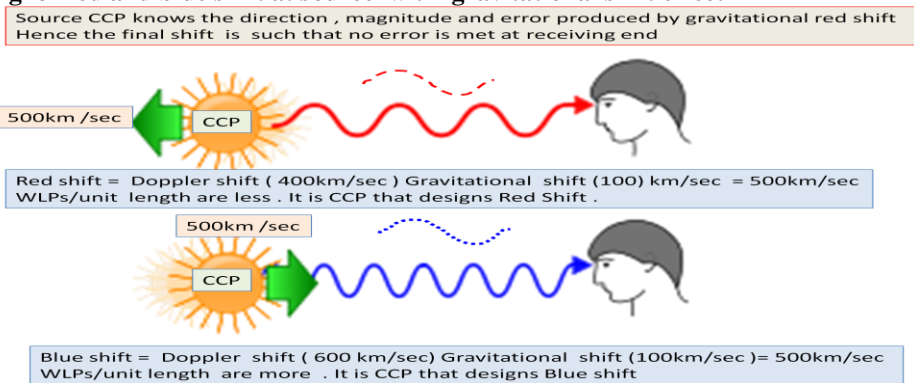


Fig. 33 Divine Mechanics -Red and blue shift at Source with gravitational shift involvement

When ever there is involvement of gravitational red shift along with Doppler's red and blue shift at source as shown in Fig 33 , The CCP of source of either red shift or blue shift take care of the error either plus ( more code PcPs blue shift ) or minus ( less code PcPs red shift ) to rectify error made by Gravitational red shift in Doppler's blue shift and Doppler's red shift accordingly . So that wrong information regarding Doppler's shift may not be received by the recipient end . That is how divine mechanics works at both ends i.e. at source end and at recipient end in Doppler's red and blue shifts

The red shift and blue shift effect can be seen in action of the sun . The sun is rotating as a telescope clearly shows and because of this one side of the sun is moving towards us and the other moving away . If the sun's sides are observed with a spectroscope , the one moving towards us displays a shift of line to the blue end of the spectrum, whilst the other side . which is moving away , shows a red shift . So Fizeau was certainly correct . [8] as shown in Fig 34 .

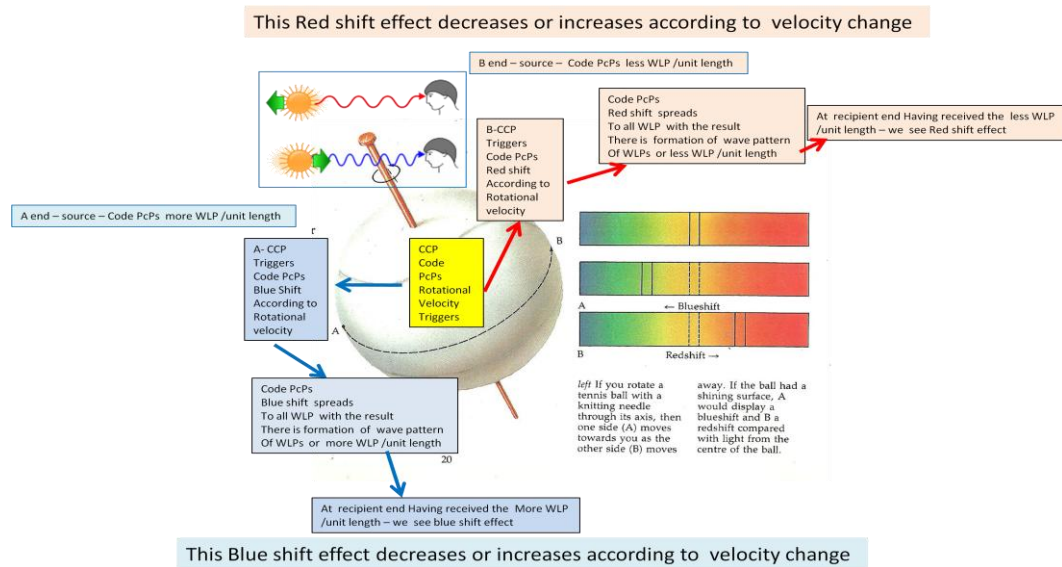


Fig. 34 It is Divine Mechanics that triggers both Red and Blue shifts simultaneously at source

QM does not see bosons and fermions ( Photon , electron , protons , neutrons) as particle nature [1] in atoms rather it sees as fields which is spread all around without spin as shown in Fig 34.1 . If Spin of particles collapses the entire universe effects- structural effects , physical effects , chemical effects , spectral effects , life sciences effects and red shift and blue shift effects would be collapsed. According to QM , had these particles being fields in atoms all effects of universe would have collapsed . But on the contrary it does not happen . Hence QM does not speak correct.

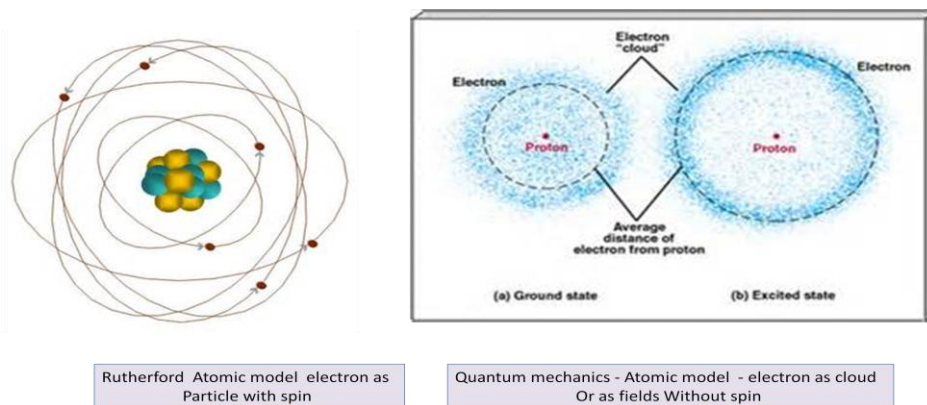


Fig 34.1 Ruther Ford model of Atom and QM model of Atom

## VI. Conclusion

At each step of interaction either Doppler's red and blue shift or in gravitational red shift , it is divine mechanics ( CCP , code PcPs and CP ) that controls and triggers the effect. CCP orders mass of yin to react accordingly . Mass of Yin , having received the messages ( Code PcPs – velocity, direction, magnitude,



quantitative messages , qualitative messages of redshift and blue shift ) it translate the messages and it works accordingly . There is quantum entanglement message system ( First transcription message system ) involvement also in all interactions. Fifth natural force also comes into play during merging and transmutation of monochromatic photons forming new secondary bosons at recipient end . When ever there is involvement of gravitational red shift along with Doppler's red and blue shift at source , the CCP of source of either red shift or blue shift take care of the error either plus ( more code PcPs blue shift ) or minus ( less code PcPs red shift ) to rectify error made by Gravitational red shift in Doppler's blue shift and Doppler's red shift accordingly . So that wrong information regarding Doppler's shift may not be received by the recipient end . That is how divine mechanics works at both ends i.e. at source end and at recipient end in Doppler's red and blue shifts . These are fed thoughts and feeding was done in precreation era by Highest center of the universe . That is how mind and body (mass) work together at the level of B.B.Bs. . Interference , polarization could be explained not by wave mechanics ( quantum mechanics ) rather it could be better explained by divine mechanics ( mind ) now .

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