

# The Substance of the Universe A Philosophical Concept about the Origin of the Universe the Great Magnetic Mass and Velocity

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**Abstract:** The subject of atom and its components of electrons, and protons, have always occupied my mind since my scholar days studying agriculture at Cairo University -1952. Scientists suggested that the atom components are just particles. Although they could measure these particles, they didn't exactly define their nature. This paper depicts a philosophic concept of the nature. It is an invitation to reconsider the nature and the origin of the universe from a new perspective which might cause bewilderment to the reader. I realize that I don't need to run in the street like Archimedes and I certainly realize that it might take time before scientists would consider or accept my perspective. This article describes The Substance of the Universe A Philosophical Concept about the Origin of the Universe The Great Magnetic Mass and Velocity [Journal of American Science 2010;6(6):195-202]. (ISSN: 1545-1003).

**Keywords:** Atoms, Big Bang, Electricity, Energy, Heat, Magnetic Mass, Matter Measurements, Mother Magnet, Photons, Quantum, Universe, Velocity, Gravity, Black Hole, Galaxies, Ether, Dark Matter, Dark Power, Void, Eternity, Infinity, Laser Beam, Confusion Energy, Attractive Charge, Compulsive Charge, Thunderbolt .

## Introduction

The subject of atom and its components of electrons, and protons, have always occupied my mind since my scholar days studying agriculture at Cairo University -1952. Scientists suggested that the atom components are just particles. Although they could measure these particles, they didn't exactly define their nature.

This paper depicts a philosophic concept of the nature. It is an invitation to reconsider the nature and the origin of the universe from a new perspective which might cause bewilderment to the reader. I realize that I don't need to run like Archimedes and I certainly realize that it might take time before scientists would consider or accept my perspective. But, first of all, I would like to remind the reader of the philosophers past saying "Truth is impossible". With this, I suggest a way of thinking, which in essence is an invitation to review the existing scientific approach to explain nature phenomena.

A central premise to this paper is that human mind fell into several caveats in its attempts to understand the substance of universe. For example:

- Physicists and Mathematicians refused to accept the concepts of Eternity and Infinity in mathematical terms; and they cannot conceive their existence in the substance. In my opinion, the applied measurements to understand the nature phenomena have stood in the way of human mind to be free to conceive the concept of absolute infinite (abstract) as a real (substance).

- Human mind consistently looks for a reason behind every action and a source for any energy, at the time when there is no reason for a beginning point of the nature. There is no cause for magnetism to be referred to a dark matter. There is no limit of the existence and no limit of the time.

- Man feels heat and considers it a de-facto subject. I can suggest as well that nature is cool, and feeling heat is just a biologic sensation.

- Man never expected that light may kill people. He supposed that it is electricity when thunder and lightning destroys substances and kills people. While thunderbolt is just a beam of light that we can suppose as LASER BEAM.

Let us discuss how these concepts limited the way humanity strived to understand nature.

## Part One: Scientists Lose Their Way To Determine The Origin Of The Universe.

### 1-1 Human Mind Confined by Measurements

It is surprising to see how the human mind, in its attempt to rationalize and make sense of everything around, is still confined by measurements. Although when Armstrong stepped on the moon surface, he said "This is one small step for (a) man, but one giant leap for mankind", the human mind is still unable to step out of its own confinements. Man invented tools and used mathematical formulas to carefully jump on the moon, but failed to

comprehend his own nature and the nature of his surroundings. He is not able to grasp the substance of the universe. The most dangerous thing is that, man sometime builds his thoughts on wrong readings for his observations.

Professor Stephen Hawking suggested in his book "The Universe in a Nutshell" that the majority of Physicists insist on the idea that the Universe began only few billion light years ago, and that it was very similar to how it is today. It is possible that the Universe has existed for an infinite time, because if the stars have been indefinitely shining, the universe would have become hot to a great extent. That would have led to the heating of the Universe to a great extent, and the skies would be shining like the sun even at night.

In my opinion, what Professor Stephen Hawking says is an example of how measurements constrain the man thinking by relying on the taken for granted assumptions.

Throughout history, anything fell outside the available man measurements -at the time- was rejected. Galileo Galilei was sentenced to death for claiming that the earth is not the center of the universe. The Italian astronomer GIORDANO BRUNO was burnt to death for his attempt to break free from the earth confinement to the heaven horizons by claiming that the universe is infinite and that the stars in the skies are suns similar to our sun.

## 1.2 Man Biologically Confined

It is even more intriguing that man has used his biologic sensation to envisage natural forces and deal with them as a de-facto subject, precisely heat and electricity. These are mere phenomena similar to ocean waves, storms, and earthquakes. Heat and electricity are neither part of the atom nor a part of the nature.

□ ELECTRICITY is a man invention. When a generator moves turning around a bobbin inside a block of magnet, this causes excitation (confusion) to the matter components. ELECTRICITY expresses a confusion case.

□ HEAT expresses velocity. Man feels danger from the accelerated velocity of the sun photons, and from the moving molecules around him. He called this danger as HEAT. Scientists expressed these events of kinetic energy, potential energy and others to simplify dealing with matter as daily occurrence. But for nature and the universe, it differs. The sun never radiates heat but it generates velocity in the form of rays of photons.

These points will be discussed later in part two of this paper when we present the new perception of nature.

## 1.3 Eternity and Infinity, are they realities?

Isaac Newton proposed an infinite universe where planets and stars are governed by gravity. But scientists of modern Mathematics and Quantum Mechanics challenged this concept. Instead, they proposed equations that led them to opposed theories. Some Cosmologists proposed one limited universe. Others proposed multiple universes. The French astronomer Jean Pierre Luminet proposed mirrors of universes in one universe.

For the atom, Quantum Mechanics physicists suppose the atom is composed of 300 bodies.

Simply, I suggest that talking about a limited universe means that it exists within void beyond it. Yes, it is nothingness, but for what extend? Since eternity and infinity are realities for the void, why couldn't they be realities for the universe? I hereby propose the acknowledgement of eternity and infinity as realities for void and as a reasonable starting point that can lead us to a balanced concept of the universe.

## 1.4 The Big Bang

Measurements have led physicists and cosmologists to the theory of the Big Bang. In the CERN Laboratory of France, physicists claimed that the universe started with complete nothingness. Then an infinite dense scalar field exploded. In the first few picoseconds, there was a very high temperature (like hell) and then strings were formed that excreted particles and forces including gravity.

The Italian Physicist Gabriele Veneziano added that, before the big explosion, there began an extremely high density space which caused the formation of a black hole. Inside that high density space, there were MAGNETIC WAVES which were trapped by the black hole. These waves interacted within forming strings, the base to gravity then the big bang which preceded the formation of particles and the universe.

John Ellis a Mathematician from Cape Town University claimed that we had clear proofs that the universe started at a very high speed from a fire ball. Ellis said that the universe went through a stage of extreme heat in the beginning of its formation (over a billion degrees centigrade). He suggested that from the very first second of the universe life, Protons, Neutrons and other Quarks existed. Within a few minutes of the universe start, the Quark particles united to form atomic nucleus. Addition to the dark matter, Professor Ellis presumed the existence of a DARK ENERGY.

On the other hand, the astrophysicist Andrei Linde, one of the Big Bang theorists, added there were extremely small scalar fields existed but did not explode. Rather, some other scalar fields grew

tremendously to the point that it exploded, and that we live on one of them (UNESCO, 2001).

According to the Big Bang theory, the universe expanded (and is still expanding) from its initial state due to the great explosion. Its lifetime is estimated at few billions of light years.

From my perspective, while it is possible that a great explosion has taken place, the human mind has overlooked the fact that the measurements that were used to reach the Big Bang are actually limited conceivable measurements that constitute only a part of the infinite universe. There is no proof whatsoever that there is a beginning point (a center) which can be used to measure the line of expansion in any straight direction. It is acceptable to explain the dynamics expansion of the universe as a balloon that is growing, but it should not be linked to the Big Bang. While some galaxies are getting apart, there may be others moving closer elsewhere. That may refer to the auto-motion of what Professor Ellis presumed as DARK ENERGY. Therefore, estimating the age of the universe on the observation that galaxies move apart seems doubtful.

### 1.5 Atoms as a Classical Approach to Explain Nature

Scientists of the 19th century established rules for the laboratory experiments. The great scientist, Joseph J. Thomson used the electrical discharge device to polarize a substance which he called ELECTRON, thus placing the first brick in building the atom concept. Thomson was followed by Ernest Rutherford, who conceptualized the idea of the nucleus.

Despite all the discoveries regarding the structure of the atom, the scientific domain had no answer to how an Electron separates free from an atom?

Professor Konrad B. Krauskopf; said in his book, "The Physical Universe" that electron, proton, and neutron are elementary particles, in a sense that they could not be broken down into anything else. However, scientists opposed that, saying in the same book that Chemical reaction in the battery keeps the electrons moving; that electron can be set free from atom by light and that in a television picture tube, a beam of electrons is directed at a fluorescent screen that glows where electrons strike it.

I suggest that the particle that can be set free from metals and moves in current or as beam, belongs to the rays group. If this particle is beta ray, we should leave the electrons happy in their orbits surrounding the nuclei of an atom.

While the scientist William Conrad Roentgen named the X rays, and the Scientist Albert A. Michelson precisely measured the light speed, Madam Marie Curie worked on the radiating element Uranium. The shirt of the scientist Henri Becquerel was burnt from a tiny Uranium particle which he carried from the laboratory of Madam Curie.

The contemporary science discoverers did not explain why Becquerel's shirt and Curie's fingers burnt from dealing with radiating elements while no thing got burnt from dealing with X rays. It is not reasonable to say that was because of radiation. Was that because of heat (kinetic energy) or because of the components that radiated free from radiating Uranium element?

It is reasonable that protons and electrons gain super speed when they got free radiating from Uranium element; and that was the cause of burning Curie's fingers and Becquerel's shirt. This opposes Albert Einstein saying that light is the most speed in nature? And; as the electron builds a stable main balance in the structure of the atom and hence, if what Thomson has polarized, should be just only rays?

Einstein introduced his theory about light as tiny bursts of energy in series of packets. He called them photons. I wonder why (burst)? This opposes Max Planck's theory of light as waves. Scientists approved both sayings. They approved that the wave theory of light and the quantum theory of light complement each other. ??

In any case, scientists have contributed with a great deal of information that better to be re-considered.

### 1.6 Quantum and the Collision Accelerators Explain the Atom

Mathematics is an interesting field where mathematicians enjoy dealing with algorithms. Early in the 20th century, a new science of Mechanical Quantum was introduced by the scientist NIELS BOHR to express the rules of Physics. Many collision accelerators were built around the world. That led to ideas and correlated probabilities about the atom, the last of which were composed of 300 bodies that were mostly unstable.

The Quantum theory is controversial; it introduced the Positron which contrasts with the Electron, the contrasting Protons, and the mass-less material. Pheromones and Peons, as well as many others, were derived from quantum equations. Some scientists considered Quarks are just pillar items in the mathematical equations of atom. Others considered them real physical bodies that should be sought in the atom structure.

It is clear that smashing the particles of an atom in the collision accelerators led physicists and mathematicians to suggest complicated properties. They assigned names to a large number of infinitesimal bodies that were created in laboratories.

Sam Treiman, 2002, in his book “The Odd Quantum”, mentioned that the possibility of the existence of bodies emitting from fields, led us to generalize the notion that electrons, protons, and other bodies are quantum for similar fields. These fields were not traditionally known for us, they were introduced as quantity fields to define required body quantities. Therefore, we would like to replace the following question: “What are the fundamental bodies of the universe and what are the working forces between them?”. By this question: “What are the fundamental fields of the universe and how they do affect each other?”

That is the question; what is the nature of the components of an atom? Are they Material or non material? This long standing question will be discussed in part two of this paper.

### 1.7 Ether as a Medium to Transmit Waves

Michael Faraday defined the electric field and offered to the human kind his great discovery of the bobbin which turns around a magnet and generates electricity.

J. Clerk Maxwell introduced his mathematical equations about electric waves linked to magnetic waves which he called the Electromagnetic energy. He found that the speed of this energy waves is the same as the speed of light, and therefore Maxwell claimed that light could be a form of these electromagnetic waves.

Heinrich Hertz revised the wireless electromagnetic waves, and Guglielmo Marconi used these to invent the telegram.

There has been a need for a medium to transmit the electromagnetic waves, wireless waves, and light waves. The philosophers and scientists of the 19th century assumed the existence of a medium, a phenomenon which they labelled ETHER. They wondered about the nature of this Ether. Is it a chaos or a void? Or is it a space-time continuum? They wondered if it is a material or a non-material. The Ether density was estimated to be ten fold million of lead density. They defined it as a medium which fills the void and occupies all the spaces between the material minutes. It transfers the energy waves like the universal rays and the wireless rays (Foad Sarrouf, 1932)

I should repeat here that electricity is a man invention, and what is generated from the mechanical

motion of an electric generator disappears once the source stops. Hence Electromagnetism is better to be called Velomagnetism. That will be defined in the new look for nature in part two of this paper.

### 1.8 Dark Matter

In 1930s, the Swiss astrologist Fernz Zwicky claimed that in his observations on galaxies he noticed a huge variance in mass unknown in nature and does not emit any kind of radiation, which he called the LOST MASS.

In the 1980s, scientists observed an arch of light surrounding part of a group of galaxies; which confirmed what Einstein earlier mentioned about the polarization of light. They endorsed what Zwicky claimed about a huge mass of energy that does not transmit radiation. Scientists concluded that there exists an unrecognized form of a magnetic energy that caused this phenomenon. They wondered about the source of this huge mass of energy and named this source “Dark Matter”. They said it was neither universal dust, nor gaseous balls, nor brown nor black dwarfs. Some scientists assumed the dark matter existed from strange particles that resulted from the Big Bang. Others assumed it a shadow matter (Wasfy, 1994).

Many assumptions explained the source of this huge mass of energy! But for this merely huge mass of energy, I was looking; for fifty years; to reconsider a new perception of the nature, that will be discussed in part two of this paper.

## Part Two: A New Suggested Philosophical Concept of Nature

### 2.1 Two options to choose from:

When we think about the beginning of the universe, we will be faced by two options:

The commonly known beginning point of the universe, was a scalar field (material) limited in time and in space, within the theory of the Big Bang. This theory is agreed upon by the majority of scientists.

OR

An absolute energy, unlimited in time and in space which scientists explained its effects in the huge magnetic field which they thought comes from the Dark Matter.

The human mind always looks for an actor for every act, and for any energy he looks for a source for this energy. Let us free our minds from the constraints that the conventional intellectual dogma imposed on them. Let us assume that it is not a

magnetic field caused by a dark matter, but it is a magnetic energy with no cause. It is an infinite eternal magnet (a substance) surrounding us within which we live; just like the aquatic beings live in the oceans deep depths under the huge pressure of the water mass. This substance is just energy. It is a great magnetic compression which I would like to call Mother Magnet. This magnet would have no meaning whatever unless it evolves from within.

## 2.2 The Mother Magnet - Pre-Universe

In the beginning, I believe, there has been an eternal magnetic continuum, looks like a gel. It was light in its density and weak in its magnetic effect. It was and still moving in currents similar to the ocean currents. This magnetic phantasm had an auto-ability to magnetically increase in density. As this condensation increased with time, it led to what I can call the maximum mass of the Mother Magnet.

From the maximum mass point, the great magnetic compression moved to the next stage. That was the secretion and ejection of minutes (sols – particles) of extremely compressed magnets, like a gel that internally secrets sols.

We have to notice that, if Mother Magnet was completely compressed from the very beginning: it would have been balanced and would not have needed to maintain its balance by secretion. This would have meant that this universe would have never come to exist.

Movement is a sign of existence, and thus it seems more sensible to assume that the magnetic mass moves rather than it stay still.

- The shift in the earth magnetic direction which occurs every epoch: could be a proof that the Mother Magnet moves.
- The movement of the Galaxies apart from (or closer to each other, elsewhere) may be due to the Mother Magnet motion.

## 2.3 Beginning of the Universe

Now we have an extremely powerful magnetic mass - the Mother Magnet - which secreted particles (minutes - sols) that are extremely magnetic compressions. These magnets acquired the following characteristics which caused the manifested existence of the universe and gave a meaning to its existence.

- The magnets were secreted in different sizes.
- The secretion process from the Mother Magnet granted the magnets velocities. Like heated water, the molecules of water gain accelerated velocities, and when reach certain point they evaporate.
- Since the magnets had different sizes, they had different magnetic forces (fields), and accordingly

different velocities.

- The equality between the velocity force of the the secreted magnets, and the Mother Magnet's self developed force capacity, led to nature balance.

## 2.4 Matter Formation

These particles that are extremely magnetic compressions and they gain different magnetic fields and different velocities, these are what will be known later as Electrons, Protons, Neutrons, Photons, and other different ray compressions.

The material formation of the universe came into being existed from the contradiction of the following two opposing forces and nothing else:

The Magnetism That Characterizes Force Of Attraction and The Velocity That Characterizes Force of Repulsion that we shall express as attraction charge and repulsion charge.

When the magnetic compressions gathered and reach a stable internal balance due to the balance between the different velocities and the different magnetic fields, they combined in a form that we consider Matter. This matter started with simple atoms, and then gathered in molecules, then to growing compounds of elements, and the way to organic formations. The formation of atom started with simple and gaseous elements: those were hydrogen and helium.

Opposite state takes also place when the velocities and the magnetic fields enter a phase of an imbalanced state, which results in immense reactions through either attraction or rejection, as seen in the Solar Reactions or Planets Explosions.

Magnetic compressions are divided into two groups:

- A group of basic components that make up the balanced and stabilized atom and molecule. This group has big mass, super speed when it is free, and strong magnetic field. It is the Protons, Neutrons, and Electrons and all other supposed heavy components. This group is what scientists expressed as, "elementary particles, in a sense that it cannot be broken down to any thing else".
- A group of magnetically compressed components with light mass, light magnetic field, and low speed. When they are compared to the atom structure, they seem relatively look like fine dust (fluffy). Assuming a Proton is in the size of a football and an electron is in the size of a grain, the Photons and all other rays bodies will be relatively in the size of fine dust particles.
- The rays are light photons, X-rays, alpha rays, beta rays and others. These are also different in mass,

different in velocity, and different in their magnetic field.

- Gamma rays are the same. They are tiny particles, but cannot be sensed by ordinary tools.
- All rays are not of the main components of the atom. They are easily sucked in (absorbed), and easily released from the atoms and molecules. Scientists expressed that as gain or loss of energy.

## 2.5 Heat

□ Considering what I explained before, it is clear that the universe would be based on a unity that is Magnetism. It exerted particles of severely compressed magnets. These particles carry two charges; Pulling charge (force) represented by their magnetic field and, repulsion charge (force) represented by their velocity, and nothing else. That is to say, there is no concept of heat or electricity in nature.

□ I repeat that heat is a mere human biologic sensation. Man feels danger from accelerating velocity of particles around him. He calls this danger as heat.

□ James Joule was the first to relate friction and velocity with heat. He accelerated the speed of water by turning paddle wheel in water. He supposed that water gained heat by friction. Did he measure the heat of water? Or did he measure the accelerating velocity of the mercury in the thermometer related to the accelerating velocity of water? He measured velocity concerned to velocity.

□ Scientists claim that heat increases the velocity of the matter. On the contrary, heat is rather a man expression of matter velocity. The relations between the different velocities of the compound formations (the matter) are measured by man in the name of heat. All physical laws of heat are the same for velocity.

□ It is very important to know that measuring heat as a velocity at 3000 degree Kelvin; the degree estimated by scientists for the universal explosions, we find that the photon speed is almost the speed of a turtle. In my view, there are two groups of velocities: The super high velocity of free Protons and Electrons, and the limited velocity of the groups of rays.

## 2.6 Electricity

2500 years ago in Greece, Thales experimented rubbing amber with fur, that caused sparks to occur and that attracted light bits of paper. As amber is called electron in Greece, Thales named the charge that occurred an electron charge instead of amber charge. Thales did not mean that this was electricity,

because what he noticed was a magnetic charge. Scientist Thomson took the term electron and built upon it the story of electricity in the atom.

What was the rubbing effect? Rubbing confused the stable relations in the atoms of the material rubbed. This confusion affected either the attractive force in the atom which caused attracting the light objects, or the repulsion force that caused light photons to release.

This stimulation also appears in thunderstorms. The strong rubbing between clouds confuses the molecules of water. That causes photons of light to release confused molecules of water. The lightning is light photons which released confused molecules of water. Thunderbolt is a bundle of light similar to Laser beams.

Electricity is an example of how scientists were confined to measurements. They affirmed the existing of the electric current, in the time it is an electric energy that flows in waves. They invented extant tools to measure electricity. They made high efficient control over electricity that is now the most principle for our civilization. Nevertheless scientists failed to define the nature of electricity saying it is (not known till now).

Electricity is neither a part of the atom nor a part of the nature. Electricity is a man invention. The generator moves turning around a copper wire bobbin inside a block of magnet, by doing so, two external forces are affecting the bobbin. One of these external forces is velocity generated by turning around the bobbin, and the other external force which affects the copper wire is magnetism added by the magnet block. These two external forces excite (confuse) the stable relations between the magnetic fields and the velocities of the copper atoms and molecules components. This disturbance (caused by confusion) is transferred to the transmitting wires as waves that named Electricity. This confusion affects all the atoms and molecules components and not only the electron. Electrons never flew in current.

This proves my analysis that relations in the atom are between magnetism and velocity. This also shows the similarity relations between magnetism (gravity) and velocity in the universe.

## 2.7 Atomic Formation

In the book "The Odd Quantum", Sam Treiman suggested the possibility of the nonexistence at all of

material bodies but rather the existence of fields. He explained that it is possible that what we think as bodies could in fact be strong condensed pulling fields. He rejected later that concept, saying that it was a theoretical probability that bared no value.

I think that what Treiman refused is in fact closer to reality. That is, atom components are bodies of strong condensed pulling fields (and velocities). This is what I expressed as “sols of severely compressed magnets”.

I believe that the atomic formation is governed by a group of factors:

- The unity of the universe is Magnetism that excreted bodies of magnetic compressions having velocities.
- As these excreted bodies take define place in the space, this means that they have masses; and since they are compressions, they must store energy
- There are only two energies produced by these magnetic compressions (substance): The pulling force of the magnetic field and the repulsion force presented in velocity.
- The universe is cold. Heat is a mere biological sensation.
- There is no electricity in the atom formation. Electricity is a human invention.
- Every particle in the atom has its own-two charges which indicate magnetic and velocity charges. This would be expressed as (velomagnet) instead of (electromagnet).
- The atom main structure is composed of basic magnetic compressions that have big masses. These are the Protons, Neutrons, Electrons, and others. Electron, proton, and neutron are elementary particles.
- It is of no mean to say that neutron has not any charge. I wonder if scientists supposed it is in the nuclei just to keep quantum equations balanced. They have to search after other quantum solution.
- Mathematicians would (likely) put equations to the balance points between the nuclei and the electrons surrounding it.
- Rays are a group of small weight magnetic compressions, which are intrusive components to the atom and not part of its basic composition. These components have limited magnetic fields, and limited velocities in comparison to the compressions that have heavy masses. That makes them easily trapped by the heavy components of atoms and molecules.
- Rays strongly reside in huge quantities, sticking inside the atomic, the molecular, and the biological compositions.
- There should be a revision of the Isotopes phenomenon in relation to the accumulation of the ray particles in different quantities in the atom.
- The rays save their velocities after being trapped

by the heavy components of the atom. They acquire the velocities of the units they are stuck to. Once released from this trap for any reason, rays regain their own velocities.

□ Rays release its trap in the atom due to external effects, which cause excitation (confusion) to the matter components. These reasons are of mechanical effect (electricity or rubbing), accelerating velocity (heat), chemical effect, solar reaction, or global explosion.

□ Stars and planets explosions release huge amounts of rays which fill the universe and the excess is absorbed by the Mother Magnet.

□ Accelerator Laboratories cause strong clashing which led to results and assumptions that are mostly unstable elements.

## 2.8 Light Photons

□ Rays characteristics demand extensive research, specifically what concerns the light photons:

□ The Photosynthesis process in plants is the presence of solar photons inside the botanical biological structures. Plants are the media which transmit the Solar Photons to all living beings. In the process of food assimilation, living beings gain their “heat” from the Photons released from molecules of carbohydrates and lipids. Oxygen is used for chemical assimilation process not for giving heat.

□ Petrol is a huge reserve of Photons which accumulated from the plant Photosynthesis in the old times.

□ The following soil studies equation is an indication of the phenomenon of light photons preservation in huge quantities in the soil:

□ Humid soil + heat (photons accumulation) = dry soil + evaporating water

Hence

□ Dry soil + added water = humid soil + heat (photon radiation)

□ The question now is: where are the photons preserved?

## 2.9 Redefining Common Expressions

□ Electrons and Protons are commonly defined as particles that carry respectively negative and positive electrical charge. They should rather be defined as: “Magnetic compressions that have Magnetic fields and velocities”.

□ For the universe, there is nothing either called positive neither negative magnetic field, nor called northern or southern magnetic field. It is just a universal magnetic flow without fixed northern or southern poles, which may be compared to water

currents in the oceans.

□ In the range of the earth or even in the Milky Way galaxy, poles of the magnetic field of the earth changes its direction according to the galaxy changed situation in the universal magnetic flow.

□ The tremendous atom explosions (nuclear fission) result only from splitting the components of the atom. What would be the result of expanding the compression of an electron? Is it possible? In CERN Laboratory, scientists seem they need two thousands time of the speed of light to explode two electrons or protons if crashed.

□ The scientific notion that the matter does not vanish or renovate ought to be revised. This is because the Mother Magnet will always remain an infinite source of new compressions, while roaming condensations will disperse in it. Black holes could let the universe components return to the Mother Magnet in a way that keeps global balance.

It is this dispersion of light inside the Mother Magnet which explains why the stars could shine indefinitely without heating the universe up to the stars heat degree and didn't lighten the skies at night, as Dr Hawking assumes. (Remember that the light photons and other compressions are magnetic particles, and there is nothing weird about these melting in the surrounding they originated from.)

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17/03/2010

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