

# Reconciliation of GR and QM by a New Gravity-Black Hole and Lightspeed Model Called Quantum- FFF Theory.

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## Abstract,

Quantum FFF ( Function Follows Form) theory states:

That the vacuum is seeded with fast oscillating massless Preons also called Higgs particles, oscillating along a complex chiral tetrahedral vacuum lattice, forming a universal reference frame, which has the ability to transfer Photon and Graviton information in bunches of oscillations, through the vacuum lattice with the local speed of light adapted to the local mass carrying objects., reason to design a **new Particle-Quantum Wave system**.

That Fermions are real stringy particles with a complex propeller shape spinning over two rotation axes leaving a Calabi Yau manifold behind.

As a consequence there are no attraction forces on propeller shaped Fermions.

Only the sum of the different kinds of vacuum impulses by zero point Casimir effects in combination with the local vacuum oscillation spectrum (in hedgehog shape) coming from all directions on Fermions are responsible for all forces and other energetic phenomena around black holes.

As a consequence New physics will be needed and the introduction of Quantum based monopole radiation fields like the electric and magnetic fields, reason to design **new Feynman diagrams even for Gravity**.

The gravity of Black Holes is assumed to be based on the zero point Casimir oscillation spectrum only, but without the opposing repulsive gravitons. Black holes don't emit gravitons because according to Quantum-FFF theory, they are massless and contain a nucleus of massless Higgs based Quantum knots only able to absorb the incoming oscillating vacuum particles, reason to design a **new Black Hole principle**.

This new black hole is not able to emit gravitons as a consequence Black holes should be supposed to be massless and the origin of all Dark matter. Secondly black holes are equipped with an electric potential between horizons, as the origin of so called Birkeland and Alfvén current circuits around stars and galaxies.

## Introduction.

In Quantum FFF (Function Follows Form) theory, there are no attraction forces on the propeller shaped spinning Fermions. Only the sum of the different kinds of vacuum impulses from all directions on Fermions coined: “**Double Vector Hedgehogs**”, are responsible for all energetic phenomena in the universe.

For Quantum gravity on earth, we should take account for two vector Hedgehog “BUBBLES” because the earth is supposed to produce a series of graviton impulse vectors with a bubble shape as counter part of the Casimir Bubble from the vacuum..

Thus we could give such a gravity model the name: **“Double Vector Hedgehog bubble gravity”**.

We may call the local double vector Hedgehog also: a dual repulsive vacuum oscillation spectrum with a constant a-symmetrical zero point Casimir effect, able to insert attraction and repulsion forces on Fermions and even magnetic curvature forces.

Fermions are assumed to be fast spinning 3 Dimensional propeller shaped stringy particles, able to deform impinging Higgs particles into 5 different shaped 3-Dimensional Photon/Gluon particles and Gravitons. (Figure 1,2 and 3, ref. 3,4).

**In contrast with the contemporary “standard model”**, I count two monopole Gluon/Photons (coded: LOL+ROR) for the electric quantum force, two Gluon/Photons (LOU+ROU) for the magnetic quantum force and one Gluon/Photon (UOU) as general particle for the x-ray, gamma ray and different light frequencies.

The result is that Gluons are the same particles as Photons acting however at different scales or distances from the atomic nucleus.

Thus not only the FORM of particles but also the distance of action is critical for the FUNCTION of these particles, which are supposed to be equipped with an internal hinge system of three hinges able to rotate in steps of 90 degrees. (fig.1)

In total 5 different shaped Gluon particles (Ref.3,4) are in contrast with Gravitons, supposed to be able to merge with Fermions into more complex compound Fermion particles (Quarks, including Muons and Tau Fermions). However if no Fermions are hit, then after a very short (Planck) distance the Gluon information is picked up and transferred as 5 different coded Photon information or as a Graviton encoded information, by the Higgs system simultaneous along different Lattice routes in the form of a bunch of entangled Higgs oscillations. (figure: 7). This is the new design for the so called particle-wave duality.

The bunch of Higgs oscillations can impinge somewhere on a new Fermion and then the Photonic bunched wave function will COLLAPSE and change back into one Gluon particle, able to merge with the Fermion and originate measurable atomic change.

For the **New lightspeed model** (see ref 3)

**A New Particle-Quantum Wave System.**

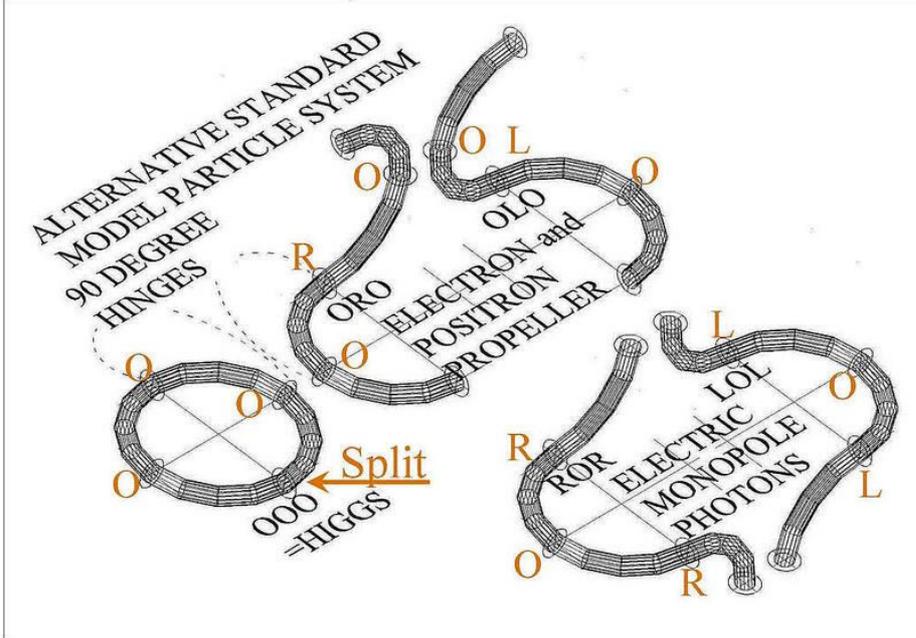


Figure: 1, Example of internal 90 degree hinge rotation of the Q-FFF particle model.

# A New Particle-Quantum Wave System.

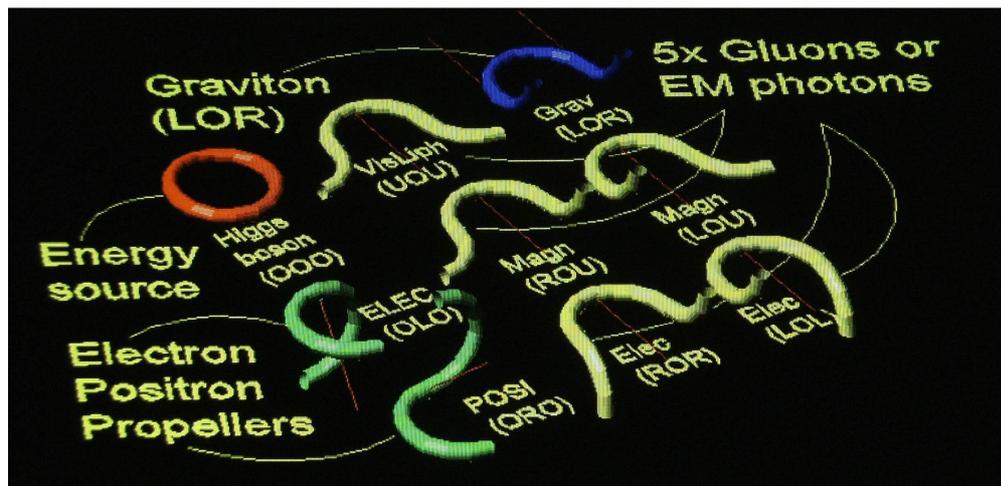
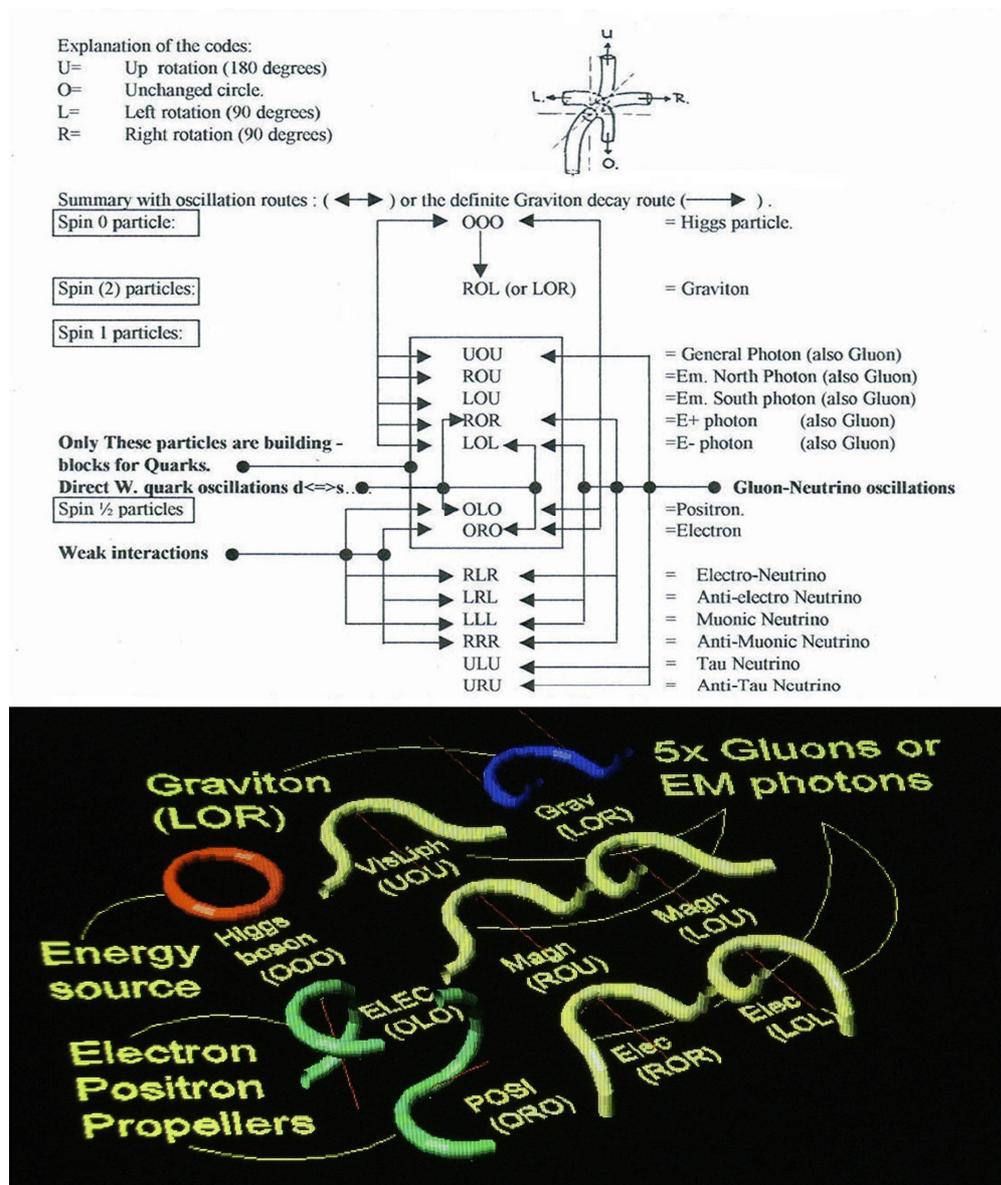


Figure 2, 3-Dimensional String Based Alternative Particle Model. (Ref. 3)

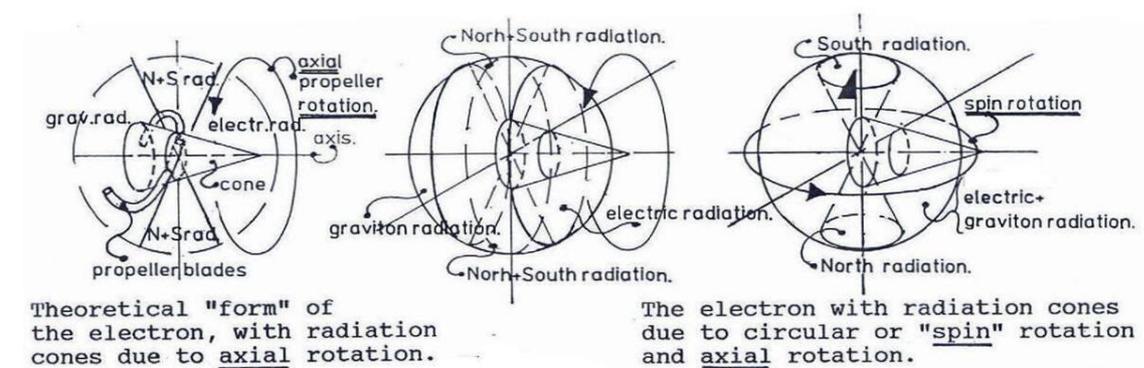
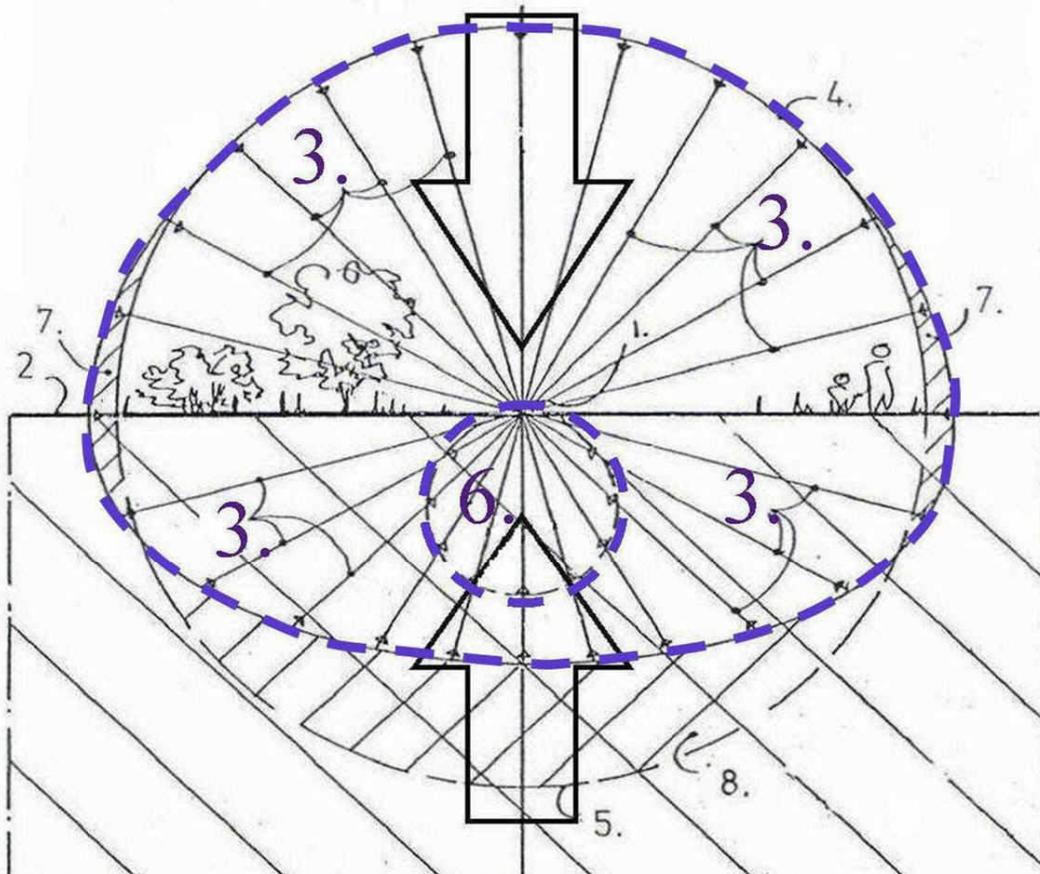


Figure 3, Double axial spin of Fermions with monopole Gluon- Graviton radiation cones. (Ref.3) After a short distance the 5 string shaped Gluons (2 Electric, 2 Magnetic and one general) can merge with Fermions into compound Quarks, or become a photonic wave, just like the Graviton.

## A New Gravity system.

Quantum Gravity as pressure distribution of the oscillating dual Higgs/Graviton vector field.

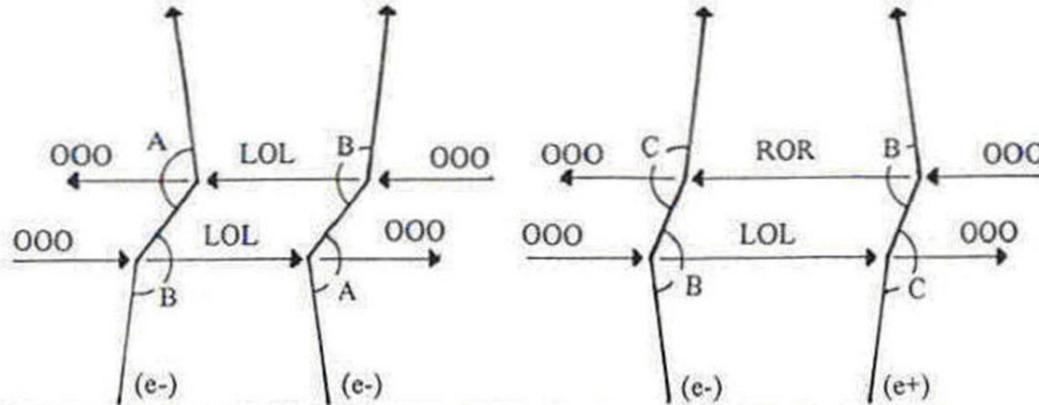


Cross section through the dual Higgs/ Graviton 3D vector field pressure distribution (or globular Hedgehog) on a point mass (1) located on earth's surface (2), according to Quantum FFF theory.  $3+4=$  Higgs vector field.  $6=$  Graviton vector field originated by the Higgs-graviton field transformation of the earth itself.  $7+8=$  differences with a perfect globular vector distribution. Field variables  $3+6$  are rendered as inversed arrows. (see also black hole pressure distribution without gravitons)

**Figure 4**, Quantum gravity on earth. Cross section of the “**Double Vector Hedgehog bubbles**” of pushing forces around Fermions. The difference between Higgs vacuum pressure (3) and less effective Graviton pressure (6) on Fermions.

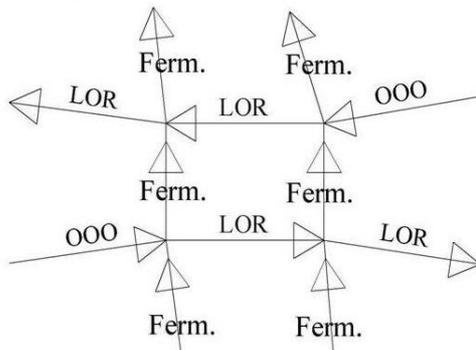
## New Feynman diagrams.

Alternative Feynman diagrams with additional ZPE vacuum Higgs impulses, combined with electric and magnetic monopole photon impulses, according to Quantum FFF Theory



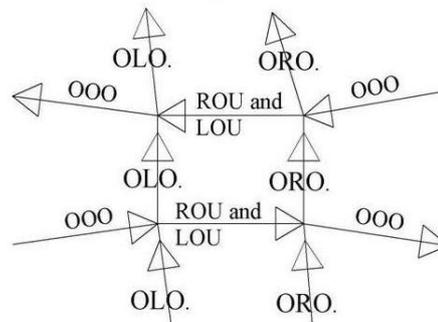
Higgs (OOO), Neg. Photon (LOL) Pos. Photon (ROR) all change form after collision with Fermions

Higgs impulse diagram for Double LeSage Gravity, according to Quantum FFF theory.



Fermionic impulse differences with Higgs (OOO) and pushing Gravitons (LOR).  
OOO changes form after collision into LOR.  
Gravitons don't change shape after collision.

Higgs Impulse diagram for MAGNETIC monopole radiation, according to Quantum FFF theory.



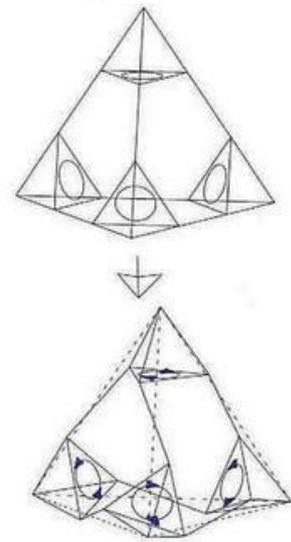
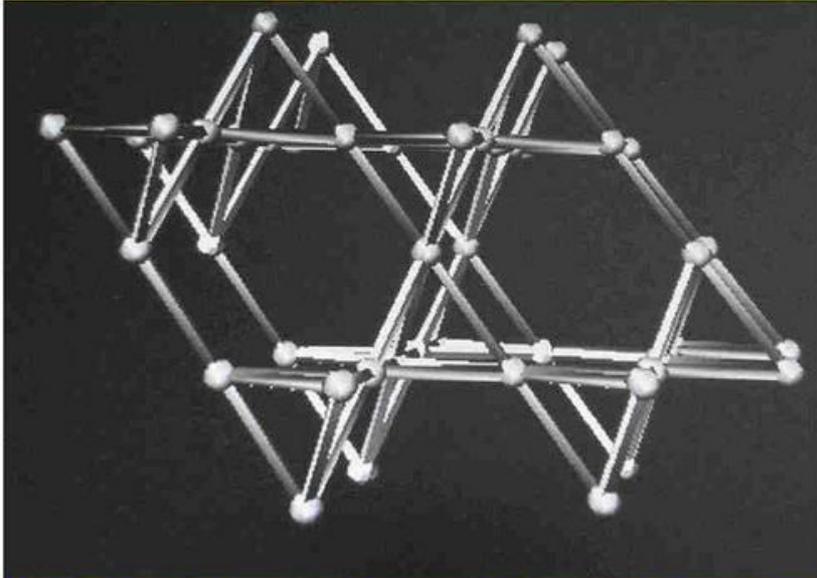
Fermionic impulse differences between Higgs (OOO) and TWO Magnetic monopole photons (LOU and ROU) on Fermions (OLO and ORO).  
OOO changes form after collision with OLO resp ORO into ROU and LOU and after second collision back again into OOO.

Quantum Gravity (left) and Magnetic forces (right). Vacuum Higgs Chirality and particle geometry and spin plays an important role

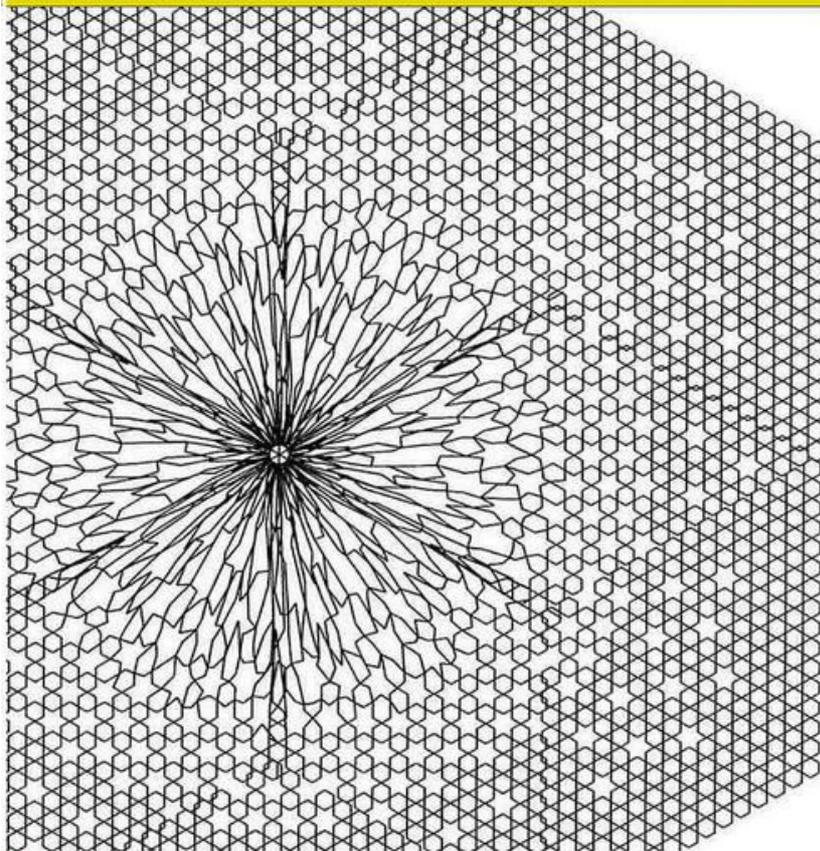
**Figure 5,** Alternative Feynman diagrams for electric-, magnetic – and Quantum gravity forces. ( Top) The principle of electric field force transfer by two monopole electric Photons (LOL and ROR) pushing Fermions with different impulses between two equal charged Fermions and different charged Fermions.  
(Below) A comparable system is supposed to be active for Quantum Gravity and Magnetic forces.

## A New Particle-Quantum Wave System.

New Dark Matter Black Hole, “Eat” the chiral oscillating Higgs vacuum.(Quantum-FFF Theory)



Simplified tetrahedral vacuum lattice structure (left), constructed by complex chiral tetrahedral building blocks (right). Each universe has to choose between a left- or righthanded rotation of its tetrahedral building blocks. Each chiral lattice has the Planck length and is supposed to be equipped with at least two oscillating massless new Higgs particles.



Black holes EAT the vacuum lattice with the oscillating Higgs particles, So, the vacuum lattice structure around a black hole could be represented like this.

As a result, the near vacuum is thinner or diluted, it has holes, which could be the origin of the Universal HUBBLE redshift.

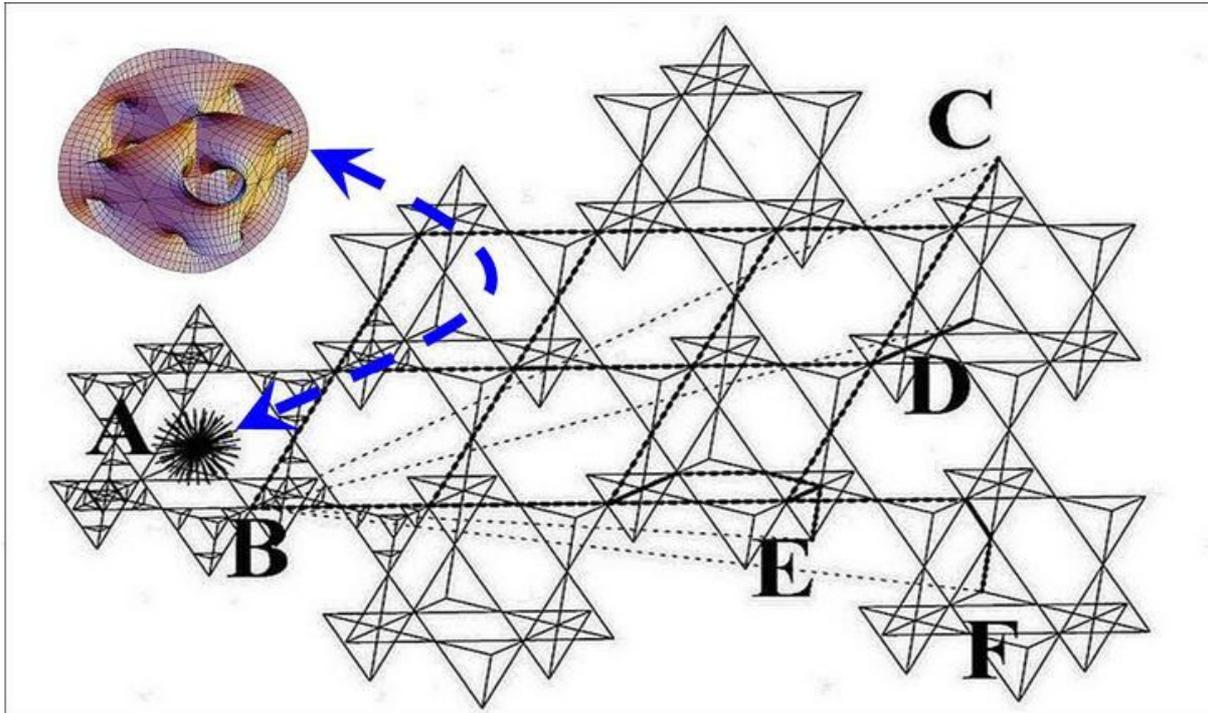
By contrast, my new black hole paradigm says: the origin of universal redshift is Dark matter.

Dark matter is the proliferation of vast numbers of Black holes around Galaxies. Conclusion, based on Hubble redshift, we don't know anything about expansion or contraction of the universe.

(Author Leo Vuyk)

Figure: 6, The Vacuum lattice with the origin of chirality and vacuum deformation around a black hole.

## A New Particle-Quantum Wave System.



The Calabi Yau manifolds are not preserved for the oscillating Higgs vacuum lattice (as suggested below), but for all Fermion dual axis rotation. (as suggested above). The vacuum Higgses are linear oscillating in a tetrahedron lattice for propelling the Fermion propellers. According to Quantum FFF Theory. .

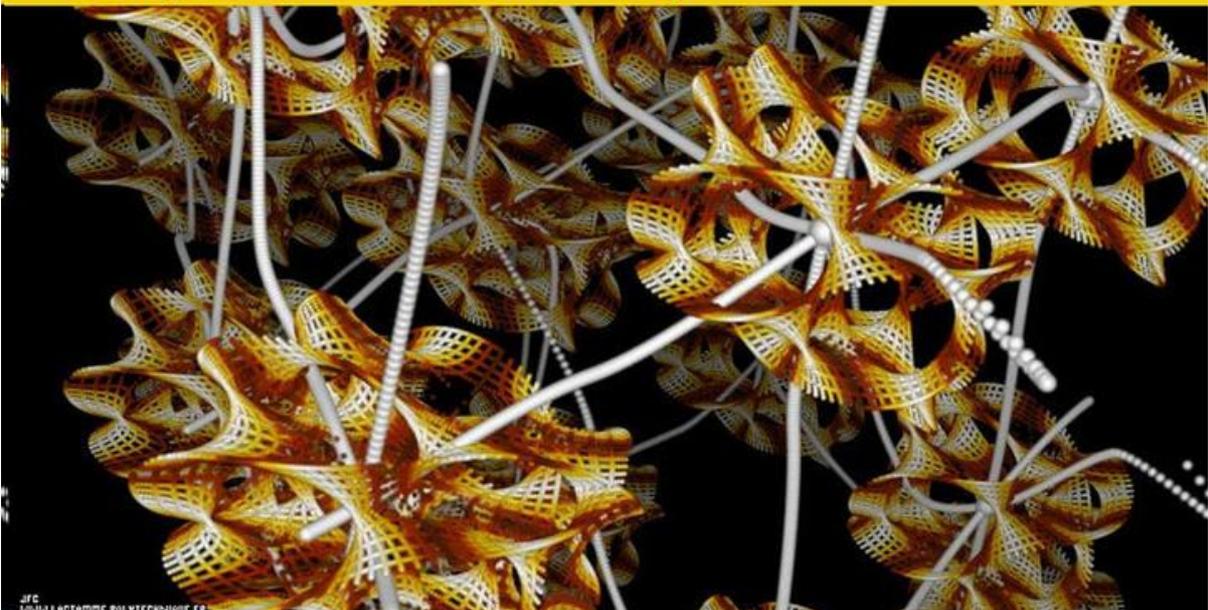


Figure: 7, Calabi Yau manifold NOT related to the vacuum but to the spinning Fermion.

## A new Black Hole.

Recent turmoil around the foundation of Black hole theory principles by Stephen Hawking and others, is a clear sign of great uncertainty about black holes and adjacent subjects.

As a consequence, it seems a good moment to come up with a Black Hole alternative already prepacked in my Quantum FFF Theory ( Function Follows Form)

Quantum FFF ( Function Follows Form) theory states, that the vacuum is seeded with fast opposite oscillating massless 3-Dimensional torus shaped Preons, responsible for pair production. Two Preons are able to change form into two entangled Fermion propeller strings by an overflow of energetic opposite collision. This energy overflow is supposed to be present at the black hole event horizon as the result of pair production combined with charge splitting between positive and negative charged particles( fig 9,10,11).

Due to the mass differences between the positive charged anti muons as the base for protons and the electrons, the electrons tend to float at the outside of the horizon, which introduces the electric potential and the charged plasma around black holes like ball lightning. (fig 13).

Thus the FORM of all particles is based on real joints and gears, responsible for the FUNCTION even for composite Quarks and Photons, however all particles are instant entangled and guided in a dual mirror multiversal way.

That dual oscillating Higgs particles are the same as Preons and are responsible for the Casimir Dark Energy of 126 GeV recently observed in the LHC at CERN.

That the oscillating Higgs vacuum system is the messenger medium of all Photon information and Black Holes are equipped with a nucleus of compacted Higgs particles, compressed by the oscillating Higgs vacuum.

The vacuum energy flow around such a Black hole indicates that different sized globular horizons are needed, an event or Photon horizon and two Fermion repulsion horizons, which can explain lots of astronomical unresolved phenomena.

In Quantum FFF theory it is assumed that there are four kinds of dark matter black holes,  
**1: The Big Bang – or Big Crunch Black Hole**, the origin of the cyclic multiverse.( ref. 42,35,33,26,23,)

**2: Primordial Big Bang splitting Black Holes** as the product of the exploding Big Bang black hole, identified as a pairing an splitting process of Galaxy Anchor Black Holes ( GABHs, ref. 33),

**3: Supernova Black Holes** identified as and after a pairing and splitting process as Herbig Haro hotspots as the origin of Stellar Anchor Black Holes (SABHs, ref. 10).

**4: Electro Magnetic Interference Black Holes**, described as the origin of so called Quantum Knots found in the lab.(ref, 27,22,14,11.) , Ball Lightning, Earth bound Micro Comets, Solar related Comets and Sunspots.

All Black Holes are equipped with at least three horizons (fig 9):

1: A 3 dimensional globular massless quantum black hole nucleus, surrounded by a globular event horizon, (fig 9) This is the globular shell where maximum opposing photon energy (also vacuum energy) is concentrated

A Fermion repulsion zone located in between two horizons:

2: A fermion attraction/repulsion horizon with entangled pair production (partly annihilated) creating plasma,

3: A fermion repulsion/attraction boundary (by fermion spin flip, ref. 14) with zero point electric plasma polarization of electrons pushed outside and protons pushed at the inside. This is supposed to be the base for all Birkeland/ Alfven current circuits in space.(fig 14, ref 28,22.)

## Quantum FFF theory.

Quantum FFF ( Function Follows Form) theory states, that the vacuum is seeded with fast oscillating massless dual Higgs particles (the origin of dark energy) , oscillating along a complex chiral tetrahedral vacuum lattice, which has the ability to transfer Photon and Graviton FORM information in bunches of linear but chiral oscillations, through the chiral (helix shaped) vacuum lattice with the local speed of light.

The local speed of light is created around massive objects which seem to be able to “drag:” the Higgs vacuum oscillations into an anti-symmetrical action called “LASOF” or Local Anti Symmetrical Oscillating vacuum Frame.

There are no attraction forces in Q-FFF theory. Gravity seems to be the result of two different impulse vector arrays: the massless Higgs impulse array and the (less effective) massless Graviton impulse array, which is supposed to be based on the same massless Higgs particle transporting the “FORM information energy” of the Graviton.

As a consequence, new paradigm Dark Matter Black holes suffer only from the gravitational influence of Higgs vacuum (photon) impulses also coined Casimir push-gravity, because no gravitons can escape from the Black hole. The Black hole is supposed to be a super dense knot of Higgs particles floating inside ( and compressed and attacked by) the energetic oscillating Higgs vacuum frame. (Fig. 6,7)

In Q-FFF theory it is postulated that only micro black hole nuclei below a certain size are able to evaporate back into the Higgs vacuum. Black hole types larger than ball lightning and small Comets are supposed to have a steady growth.

No photons like gravitons can escape from inside the Black hole. However, in Q-FFF theory, the vacuum is constantly “eaten” by these NEW Black hole nuclei and the origin of the Casimir quantum gravity effect of Black holes..(fig 9)

In the Q-FFF model, Fermions are assumed to have a propeller shape equipped with a left- or right hand “pitch” (fig 1) Quarks and some leptons are compound particles (with photonic gluons) however, electrons and positrons are singular.

Only the statistical sum of the different kinds of vacuum impulses (in the form of butterfly shaped vector arrays : fig 4,5,14) by real collisions from all directions on Fermions are responsible for all (energetic) phenomena in the universe.

The polarisation and so called spin flip of Fermions around Black holes is the origin that Black holes are equipped with a narrow Fermion repelling and plasma creating globular zone between two horizons. (fig, 9,10,11)

**As a result, Black holes are Zero Point Energy driven electric generators with negative charge at the outside and positive charge at the inside, able to change the world and our economy..**

The local lightspeed differences around massive objects.

According to Quantum FFF theory the lightspeed is NOT everywhere the same!

It was I.I.Shapiro who observed the lightspeed decrease (and curvature) around the sun, but he forgot to solve his anomaly, which he found to be between the radar reflection times of Venus and mercury and earth. (fig 28) and (ref 3; **Experiments to Determine the Mass Related Lightspeed Extinction Volume**)

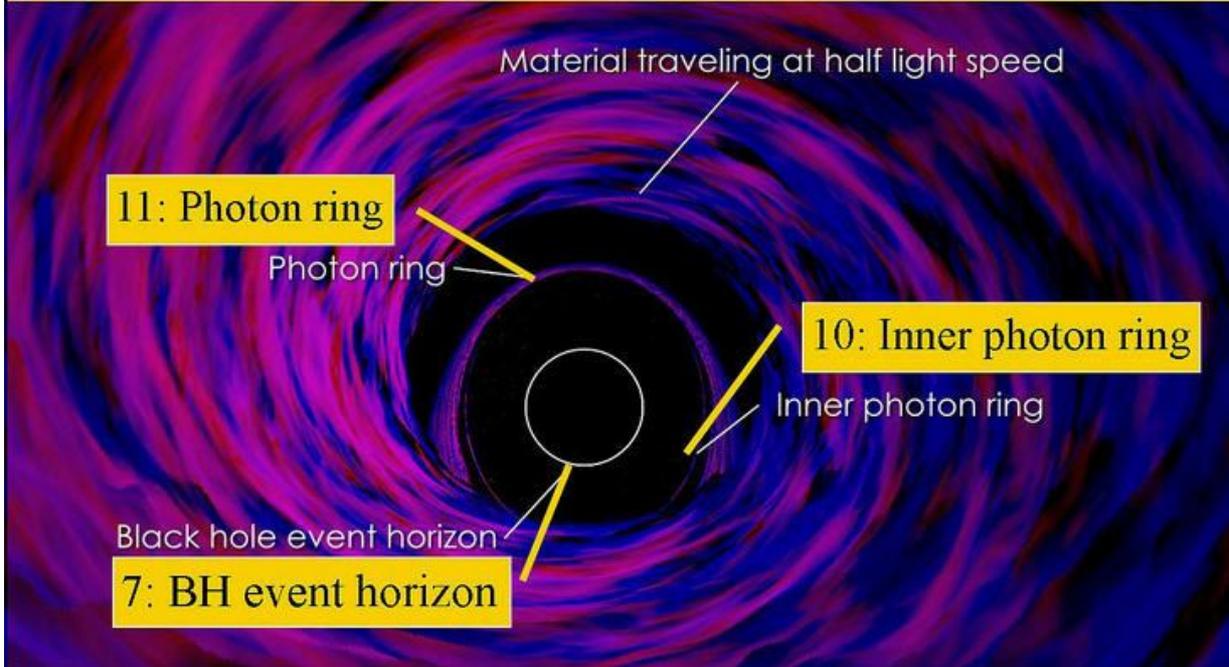
# Quantum FFF Theory and New Physics by:

- 1: Dark Matter Black Holes without gravitons.
  - 2: Dark Energy (Casimir) Higgs Field.
  - 3: Dual push Gravity = Attraction (Higgs-Casimir opposing Graviton push).
  - 4: The Big Bang is a Splitting Big Bang Black Hole (BBBH) into smaller primordial Splinters.
  
  - 5: Primordial Big Bang Black Hole splinters (PBBS) produce the energetic Dark Energy Higgs field by partly evaporation.
  - 6: Dual PBBSs produce plasma in giant Herbig Haro systems as a base for Giant stars in open clusters as a start for Spiral Galaxies.
  - 7: Spiral Galaxies keep both Primordial Black Holes as Galaxy Anchor Black Holes (GABHs) at long distance.
  - 8: After Galaxy Merging these GABHs are the origin of Galaxy- and Magnetic field complexity.
  - 9: Dual Black Hole systems produce Plasma out of the Higgs field by a convertible Higgs particle.
  - 10: Dwarf Galaxies are created after Galaxy merging in between two or more local GABHs (irregulars) or around GABHs Globular Clusters.
  - 11: The first Supernovas produce medium sized Black Hole as the base for secondary Herbig Haro systems.
- (author Leo Vuyk)

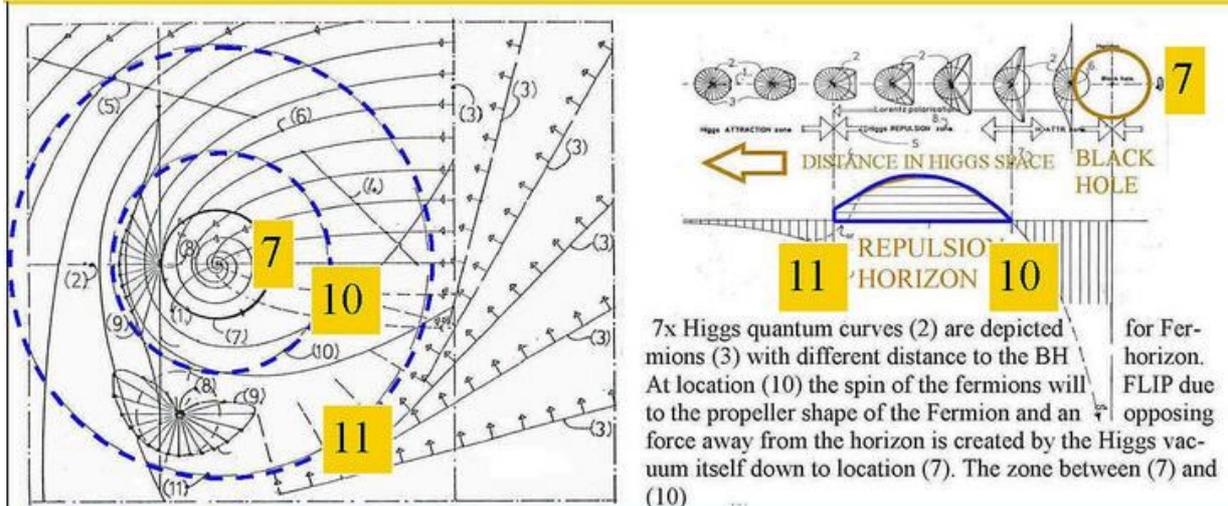
Figure: 8,

## A new Black Hole System.

Tripple Black Hole horizons found by NASA in accordance with Quantum FFF theory..



For tripple B-H horizons in Quantum FFF theory see (nrs: 7: Event horizon, 10: Inner photon ring, (10+11 =Fermion repulsion zone) 11: Photon ring )



- 1: Non rotating Black hole nucleus (in 2D cross section).
- 2: Reference axis for trajectories 4,5 and 6.
- 3: Other incoming photonic/Higgs fronts (without depicted trajectories)
- 7: High photon energy collider globular shell, with intense Quantum effects like pair production ( $e^-e^+$ ). 8: test masses.
- 9: Butterfly shaped Higgs/photon Fermion pushing curves in 2D.
- 10 and 11: Fermion repulsion zone. Due to the propeller shape of the Fermions, they will experience a so called "Spin Flip" in this zone.

Figure: 9, Three black hole horizons (7,10 and 11) with pair production and annihilation outside horizon (7) and charged plasma formation in between (10 and 11, the Fermion repulsion zone) horizon 10 will have a positive charge and horizon 11 will be negative charged, due to mass differences between anti Muons and Electrons. ( ref. 4, 3- Dimensional String Based Alternative Particles Model )

# A new Black Hole System.

## The OLD and NEW Black Hole differences.

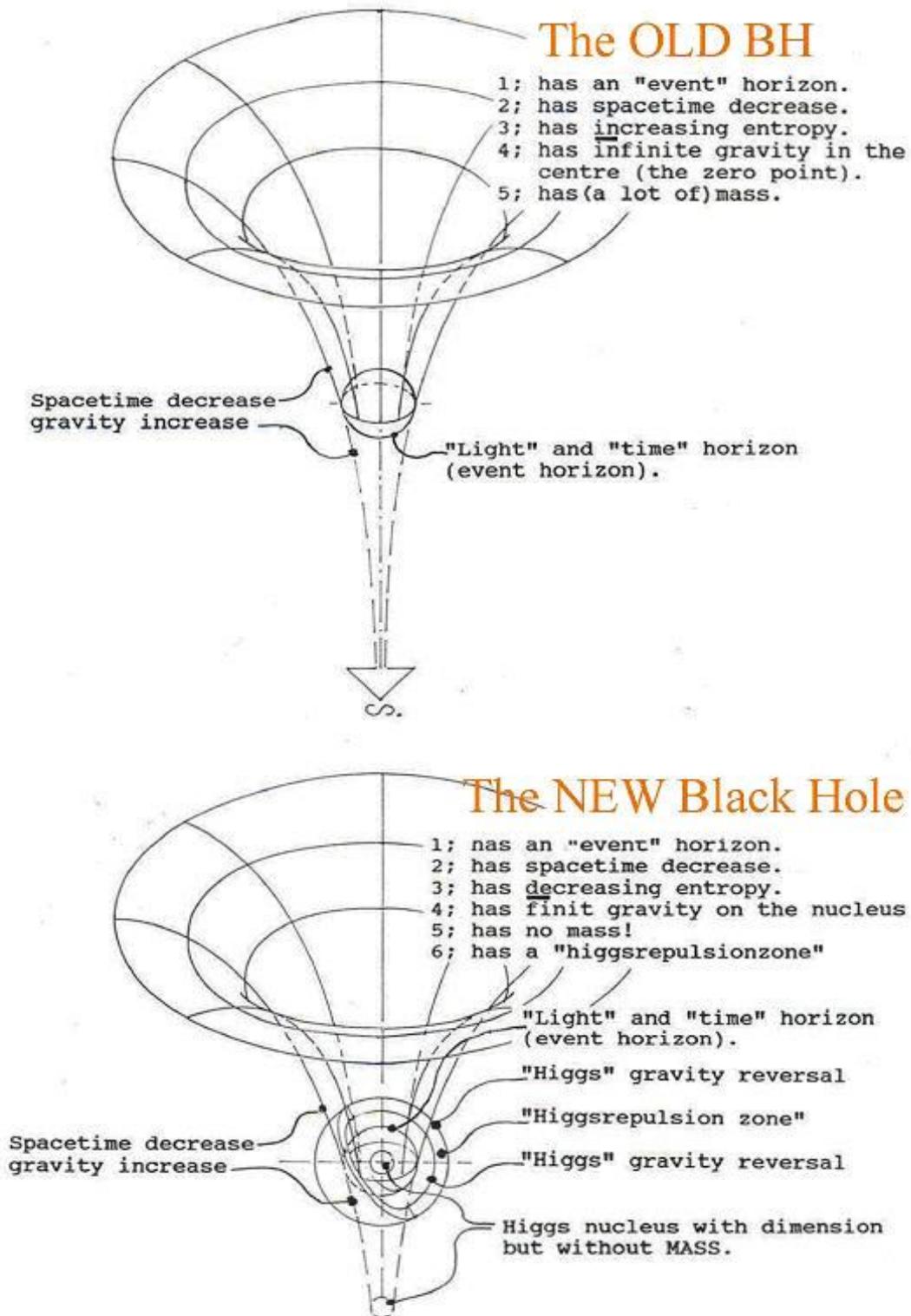
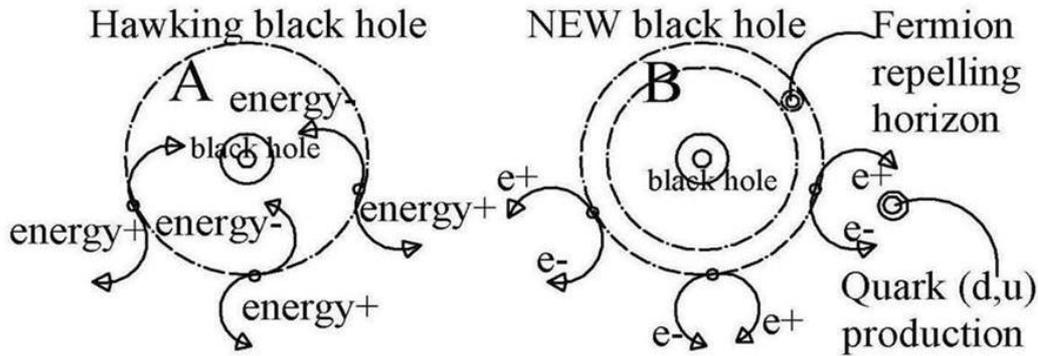


Figure: 10, The difference between the old and new paradigm Black hole according to Quantum FFF Theory .

## A new Black Hole System.



The NEW Black Hole is equipped with a Fermion repelling horizon. In addition Quantum Fluctuations produce twin Electron- Positron propeller shaped Fermion particles out of two convertible Higgsen. (See the 3D particle zoo of the theory) Quarks (d,u) are created by the “dressing up” these twins with Photon/Gluon particles. So BHs create simple plasma clouds like Bock Globules and plasma pillars in Nebula and Herbig Haro objects. (Author Leo Vuyk)

Figure 11, Quantum Fluctuations as the origin of pair production and Plasma creation (Quarks) around Dark Matter Black Holes.

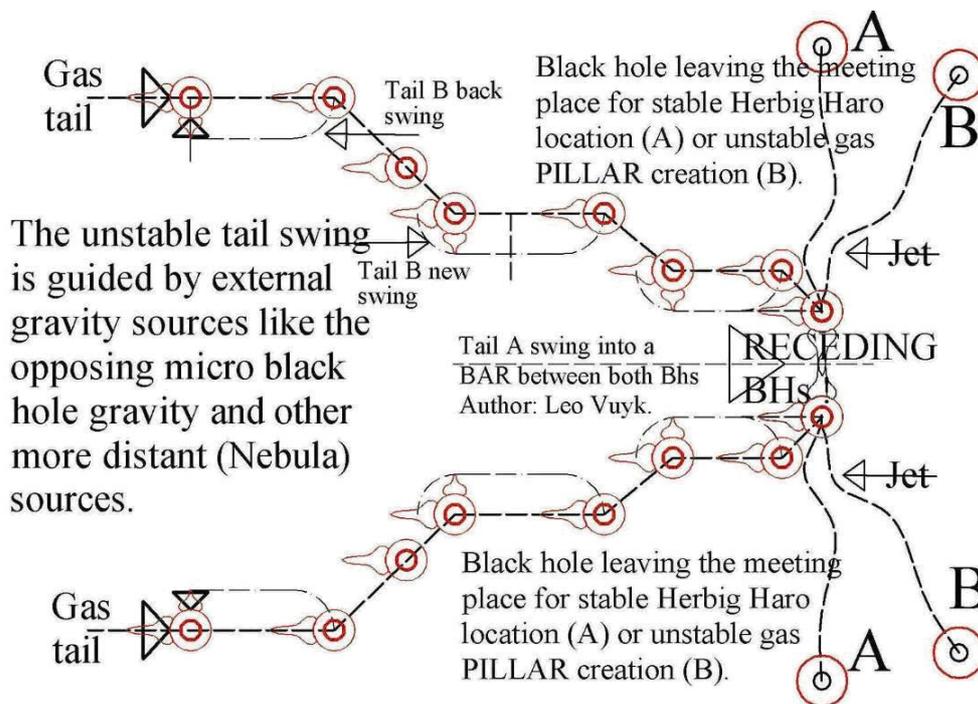


Figure 12, New Black hole propulsion principle by a self produced plasma-dust tail,. As a consequence, New black holes do not merge to form larger nuclei, they even repel negative charged metal surfaces by their own exterior electron charge. ( see also fig. 9)

This Ball Lightning photo is an important piece of the new physics of Quantum FFF theory. It shows a self produced vapor trail washed out by the opposing wind of the massless BL nucleus, which seem to be pushed against the wind. Just as observed in multiple single- and pairing Black Hole examples in nebula like the Carina.



Other examples of BLs with plasma tails



Figure: 13, Electric potential between horizons of microscopic black holes like Ball lightning plasma balls.

Birkeland/ Alfvén circuit currents around stars and galaxies, are driven by new paradigm tandem black holes, producing an external excess of negative charged plasma accelerated by the Casimir polarized vacuum (or Higgs polarized oscillations, according to Q-FFF Theory)

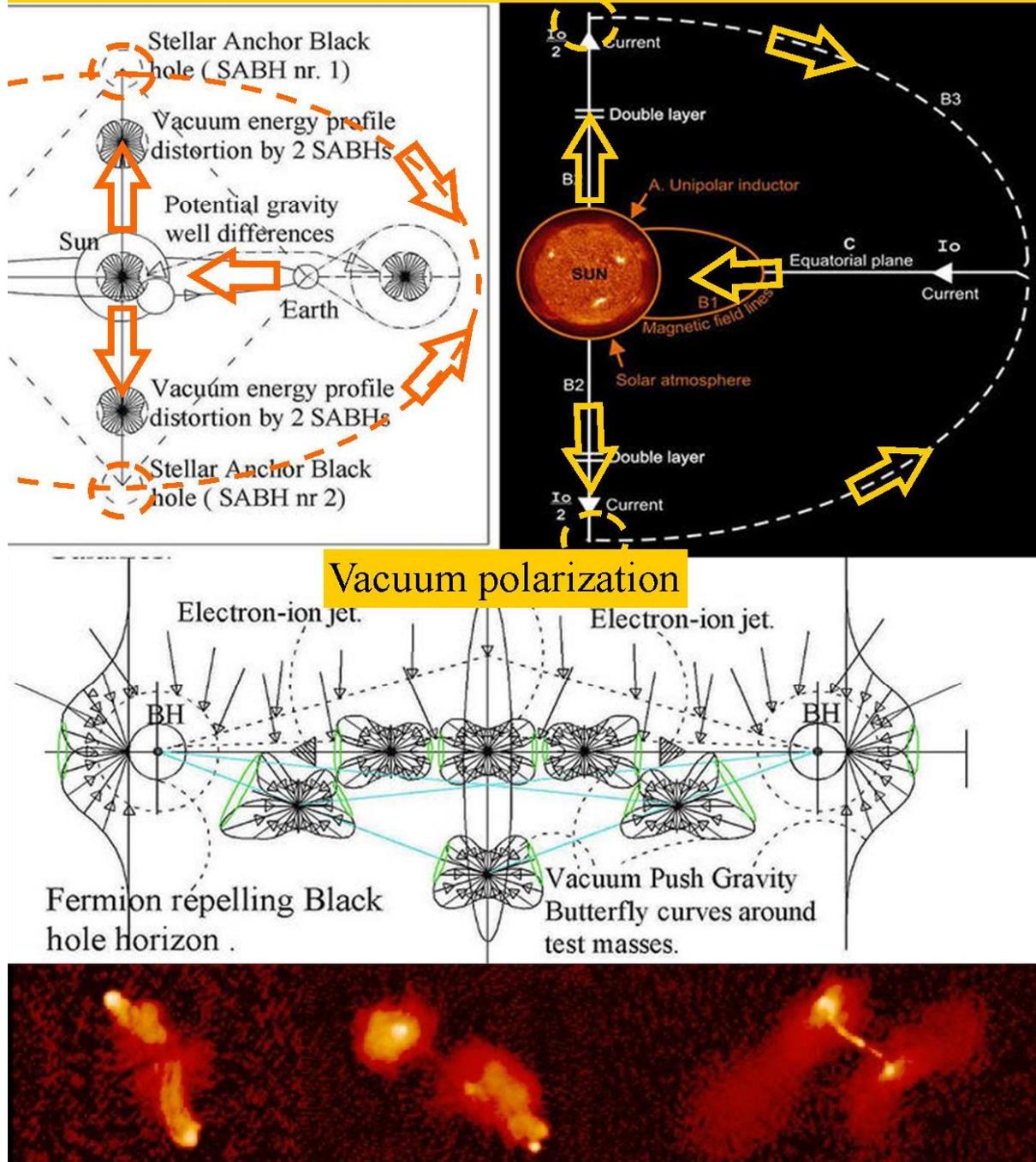
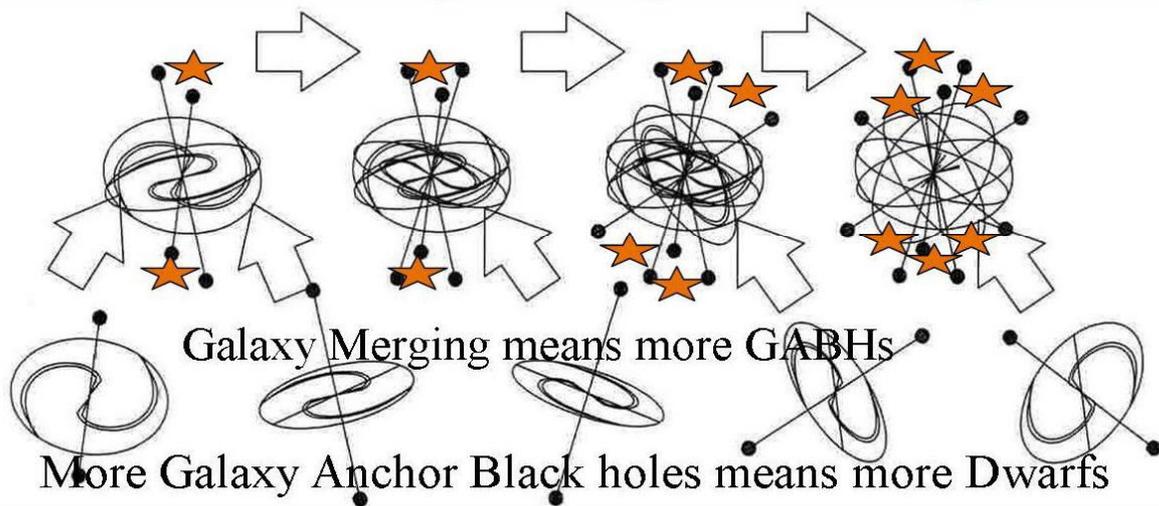


Figure: 14, Birkeland and Alfvén Current circuits around the Earth and Galaxies.

Dwarf Galaxy formation between Galaxy Anchor Black Holes (GABHs) as the Origin of stellar migration forming Polar Ring Galaxies. More GABHs means more Dwarfs means more sources for Stellar migration and bulge formation, according to Quantum FFF Theory.



Comparison between Polar ring galaxies and Primordial early galaxy formation between two Galaxy Anchor Black Holes

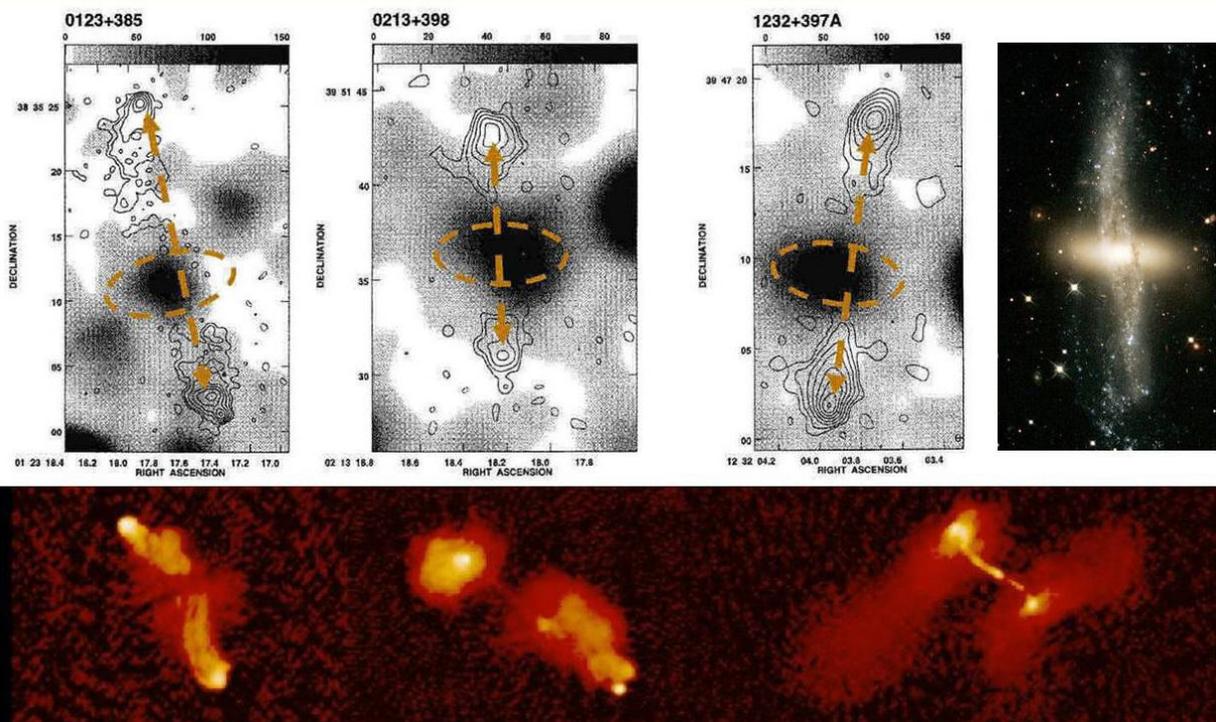
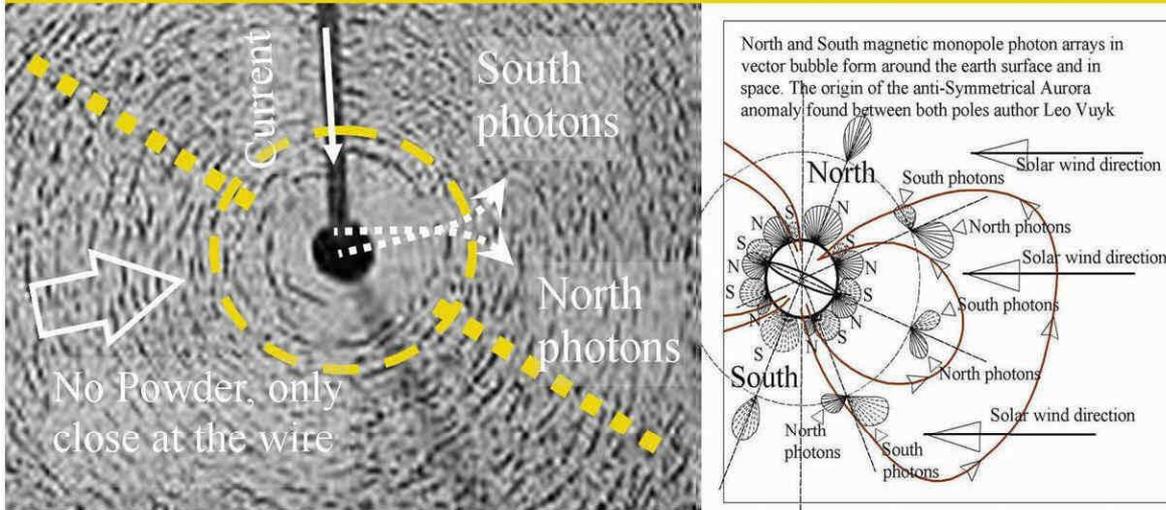
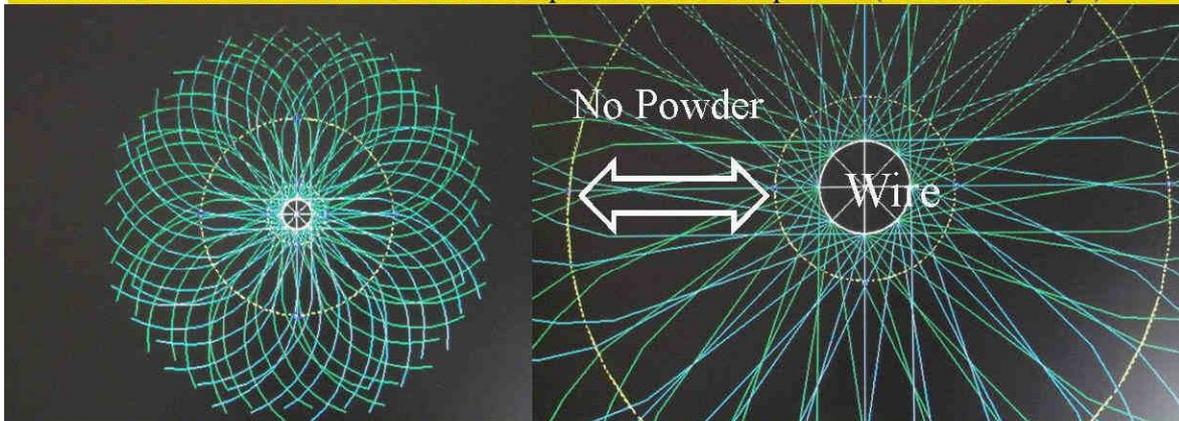


Figure: 15, Dual Galaxy Anchor Black Holes as the origin of Dwarf Galaxy formation and dark matter

Magnetic field variations by the “Curl” of Magnetic Monopole (N and South) Radiation around a wire and the earth.



According to Quantum FFF theory, all magnetic fields can be presented as DUAL Magnetic Monopole Photon Vector Arrays. These monopole arrays undergo curvature. As a result, the magnetic field intensity around the Earth and a wire is NOT dropping off with the square of the distance from the source!! The field become stronger polarized away from the source (See images). Close to the current transporting wire the magnetic field strength is zero due to the parallel trajectories of North and South Photons before curvature and polarisation of iron powder ( Author: Leo Vuyk)



TWO (North and South) Monopole Photon trajectories around a current in a wire shown in cross section. Between the two yellow circles both (N+S) trajectories are pointing about parallel. The result: No iron Powder orientation between the concentric circles, as is observed in the lab (see upper photo). This is a firm support for the monopole photon vector array element of Quantum FFF Theory.

Figure: 16, Magnetic Field intensity is only at polar regions dropping off with the inverse cube of the distance from the source.

However the so called CURL of the magnetic vector arrays around the earth, permanent magnets and around current bearing wires, is supposed to be the origin of a strange anomalous less pronounced drop of the field strength related to the source in the “no powder zone”.

**ALTERNATIVE MAGNETIC FIELD INTERPRETATION.**

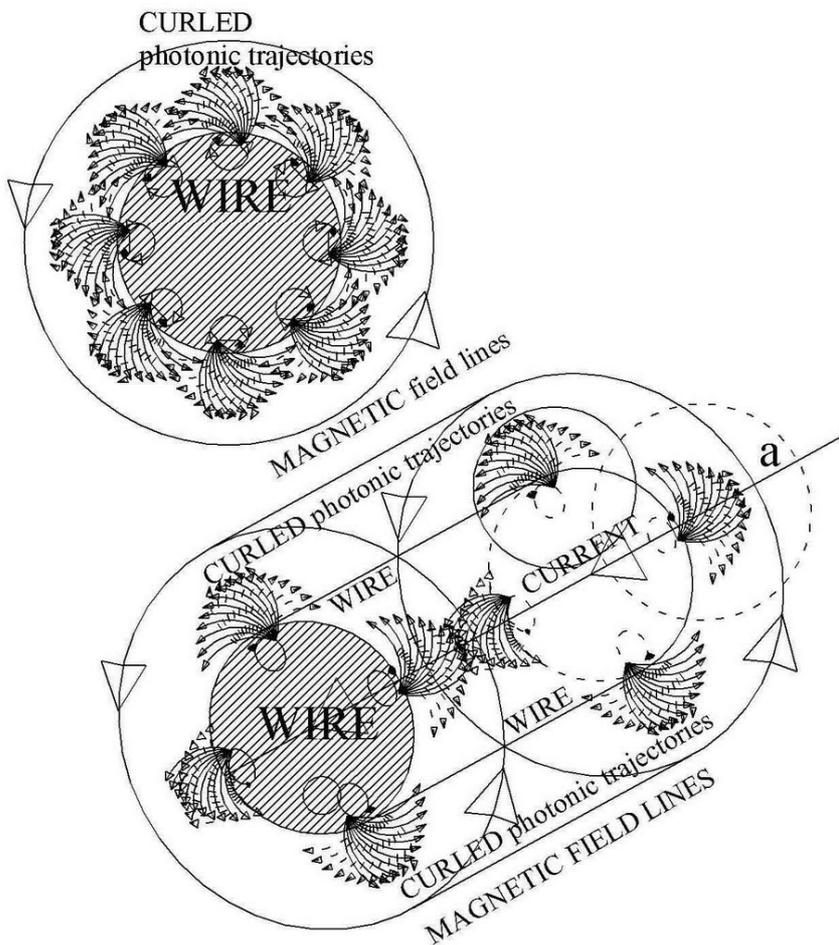
If magnetic field lines have a quantum mechanical origin, based on alternative magnetic monopole photons (with a North or South characteristic and a slight "photonic trajectory CURL") then the picture below could represent the origin of a "Magnetic vector potential (A)" around an electric current e.g. in a wire.

This magnetic CURL is supposed to have the same origin as assumed for the DIFFRACTION process (of light): "Settlement" of photonic information routing inside the local microscopic Higgs vacuum lattice.

It is assumed that the photonic CURL in the photonic vector field will change due to wire bending.

The Curl will be able to decrease down to zero curl, at the outside turn of a bended wire, (e.g. see position: a) If this is the case, the magnetic field (called the B field) will vanish completely around a long small solenoid. Inside a wire bending however, the Curl will consequently increase.

Conclusion, the proposed two force carriers (photons: North and South) are able to explain the peculiar qualities of the so called Magnetic Vector Potential field (A). (Author L.Vuyk)



**Figure: 17,** Alternative magnetic field by “curled Photonic monopole information around an electric wire under current.

ALTERNATIVE magnetic field interpretation based on two different magnetic photons ( N and S) with boundary layer elevation indication.

If magnetic field lines have a quantum mechanical origin, based on alternative magnetic monopole photons (with a North or South characteristic and a slight "CURL") then the picture below represents the differences with the traditional view.

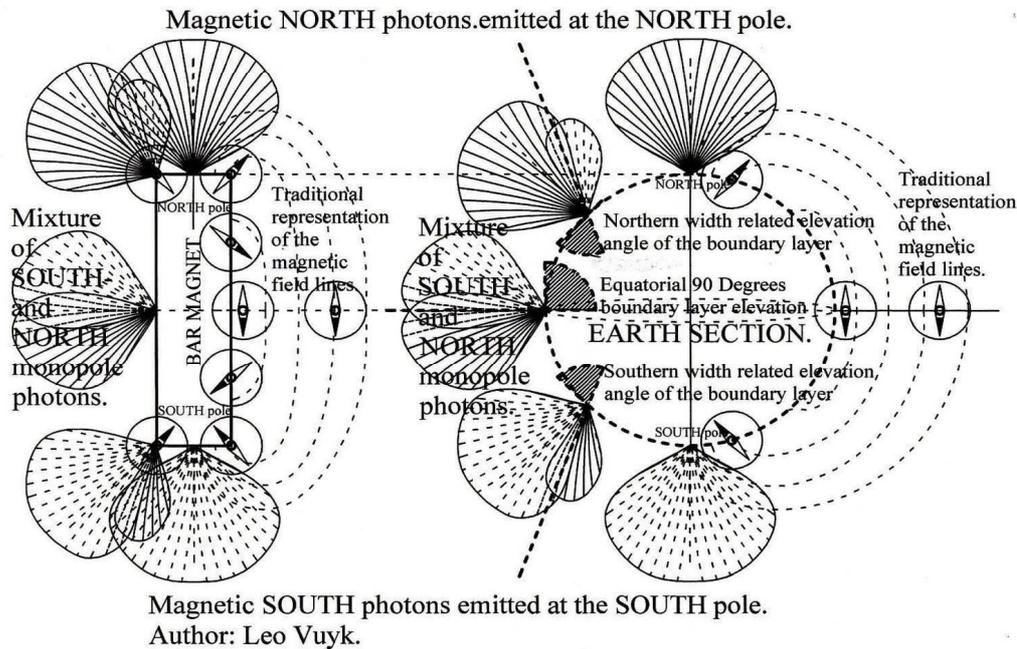


Figure 18,

Alternative magnetic field interpretation , based on two different magnetic Photon/Gluons ( North and South) with different boundary Layer elevation indications.

The 5 Gluons ( Fig.1) are supposed to be the same as Photons however with different appearances.

Gluons are supposed to be real 3-Dimensional strings, able to “click-on” to Fermions and form Quarks.

Photons are supposed to come only in wave form, as monopole information bunches travelling with the local speed of light along the mass-less oscillating Higgs vacuum lattice.

The are transformed Gluons

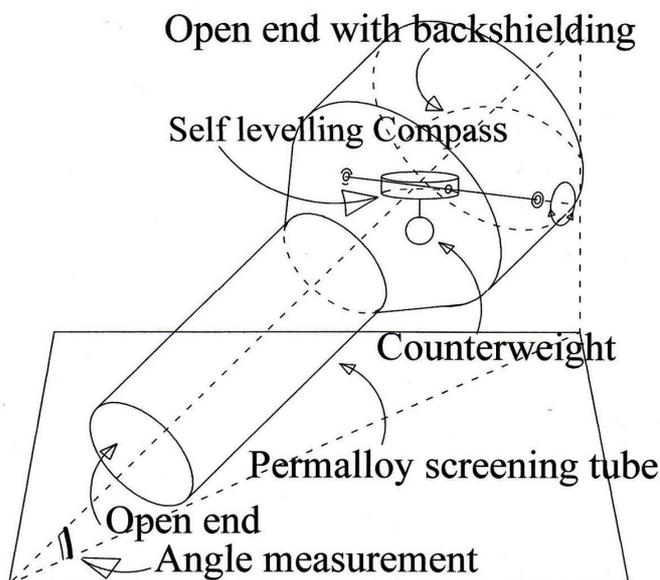
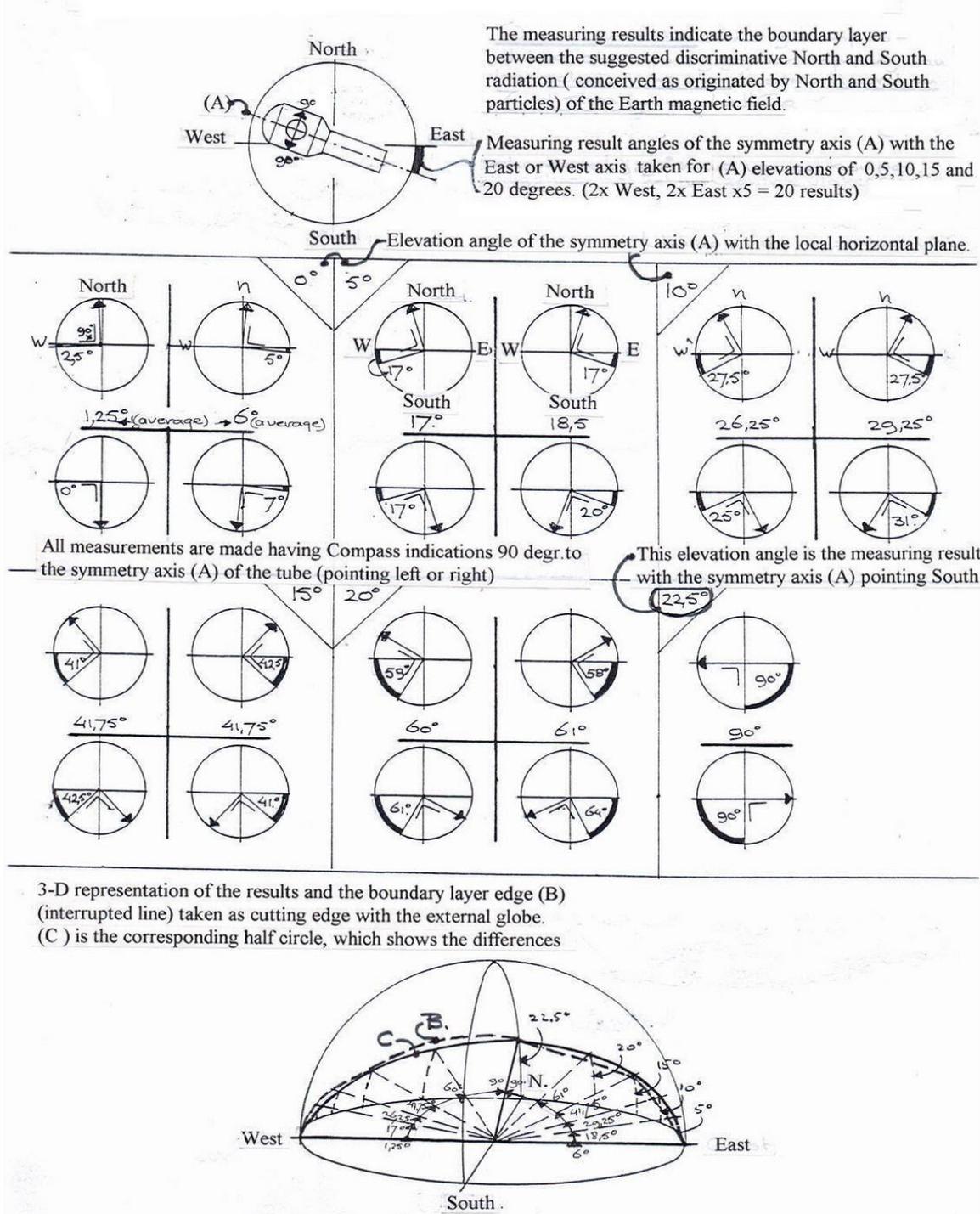


Figure 19,

3-Dimensional representation of the magnetic monopole telescope, able to show differences in the monopole Photon trajectories (with North or South characteristic) around the earth.

The screening tube with back shielding, is made of permalloy or mu-metal. The compass is a simple hobby compass balancing on copper bolts. Angle measurement is done, only if the compass needle points into a heading

perpendicular to the axial symmetry axis of the tube. See the result on figure 15.

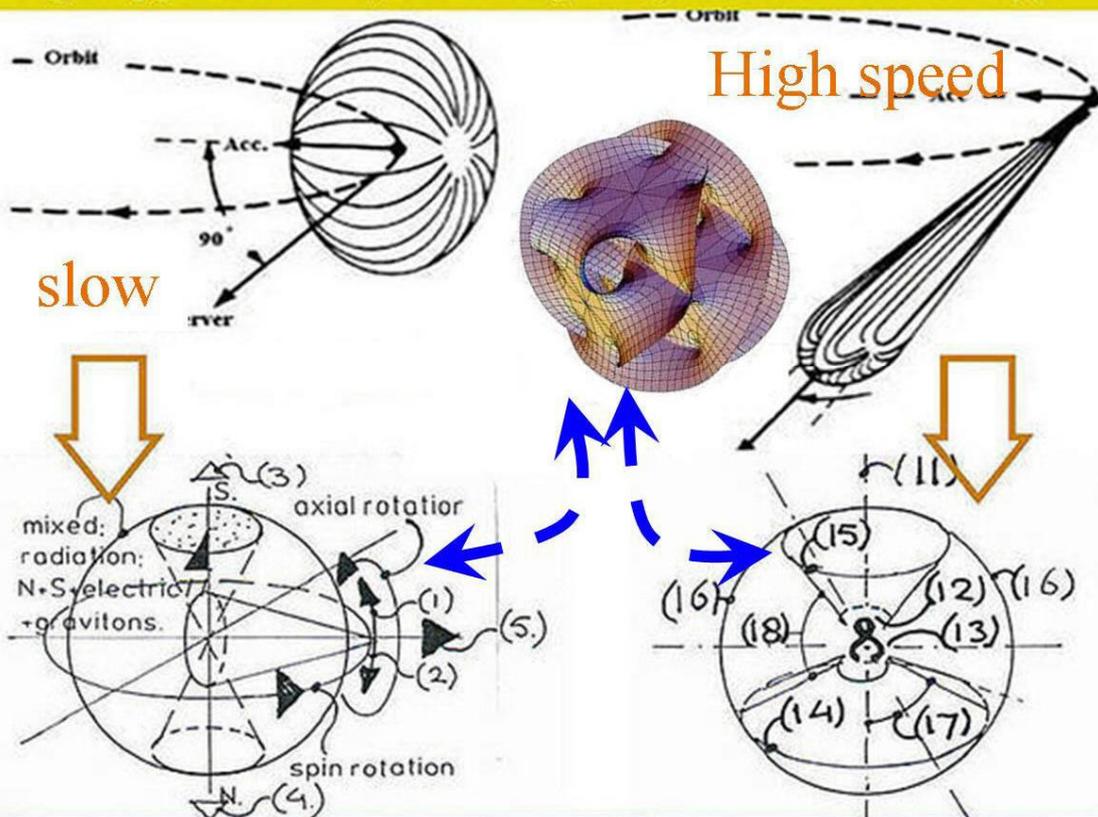


**Figure 20,**  
3-Dimensional representation of the “boundary layer” B, between the North and South monopole radiation of the earth, is the result of multiple measurements by the magnetic telescope at location, Latitude: 52,18 degr. North and Longitude degr. 5,2 East.(see: figure 14).

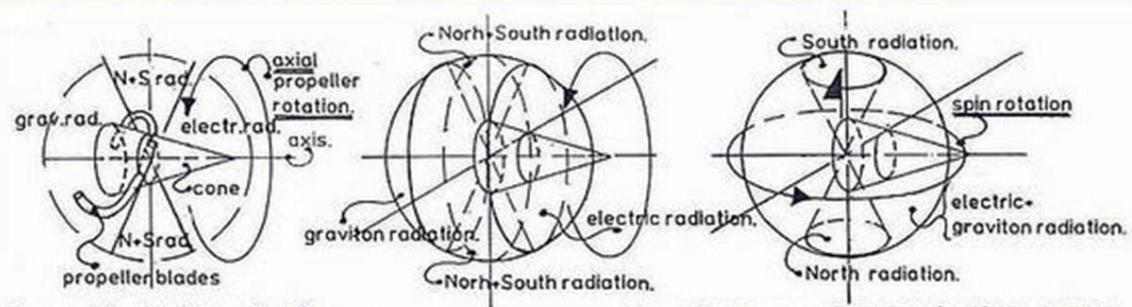
It is assumed that every location on earth has its individual **boundary layer Curve B.**

It is also assumed that **animals like Pigeons and sea Turtles are able to identify these specific curves (B) for different locations by the small amount of permalloy alike metals already found in their bodies, to explain the extraordinary qualities of animal orientation.**

Synchrotron radiation by Polarized Fermion spin combined with high speed motion through the resistive oscillating Higgs vacuum (according to Quantum FFF theory)



The propeller shape of Fermions is the origin of a dual spin state by collision influences of the oscillating massless Higgs vacuum at low speeds. (Spin rotation and axial rotation) At high relativistic speed the Lorentz polarization of the Fermion "propeller nose" (1 or 2) is preferentially pointing into direction (11) with photon cone focussing into the opposing vacuum direction (15) and the Spin rotation has gone. (Calabi Yau)



Theoretical "form" of the electron, with radiation cones due to axial rotation.

The electron with radiation cones due to circular or "spin" rotation and axial rotation.

Figure 21, Examples of how the double spinning Fermions are reacting on the oscillating massless dark matter Higgs vacuum in the case of relative speed and gravity.

# Dual Spin of the Propeller Shaped Electron, Combined with the UP or DOWN atomic rotation

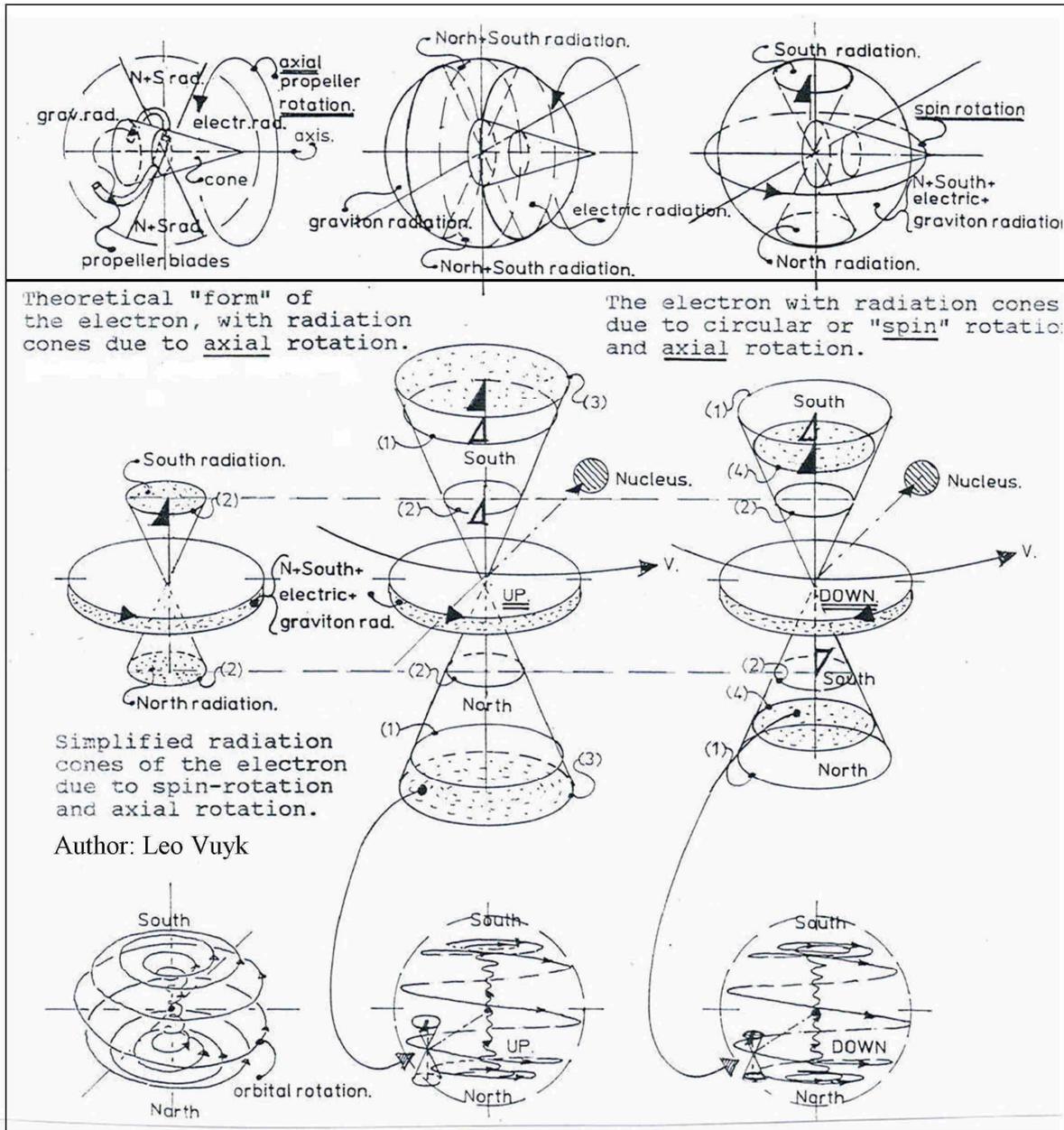


Figure: 22, The difference between UP and DOWN electrons orbiting around the atomic nucleus.

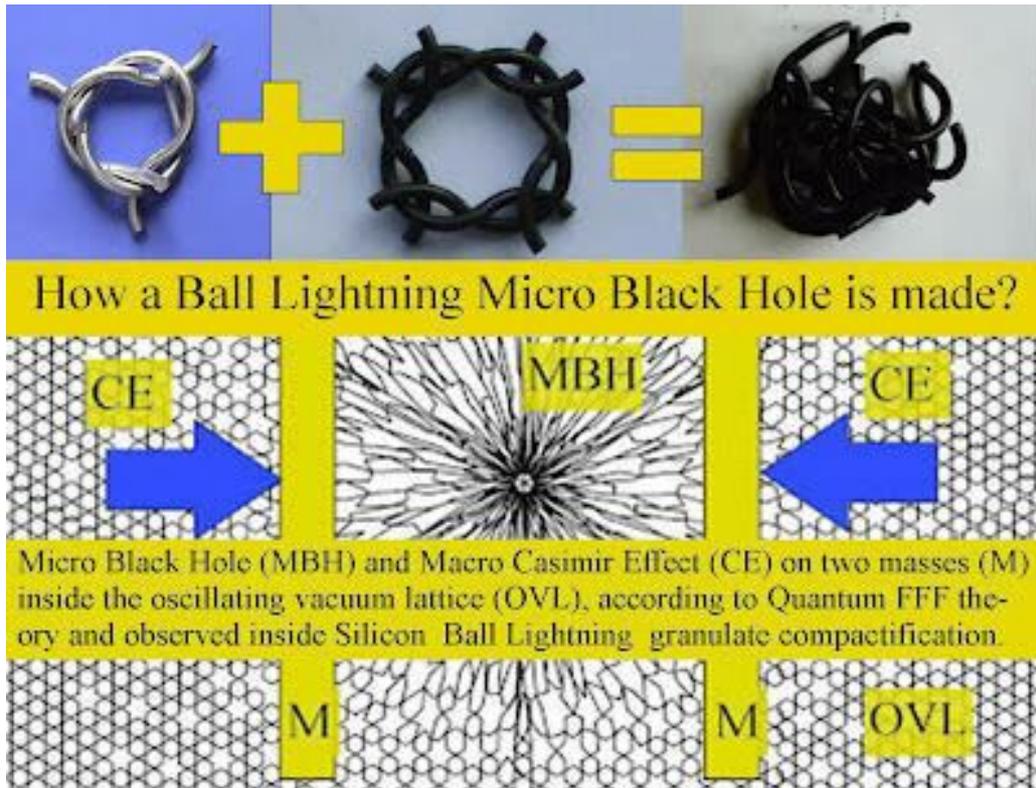
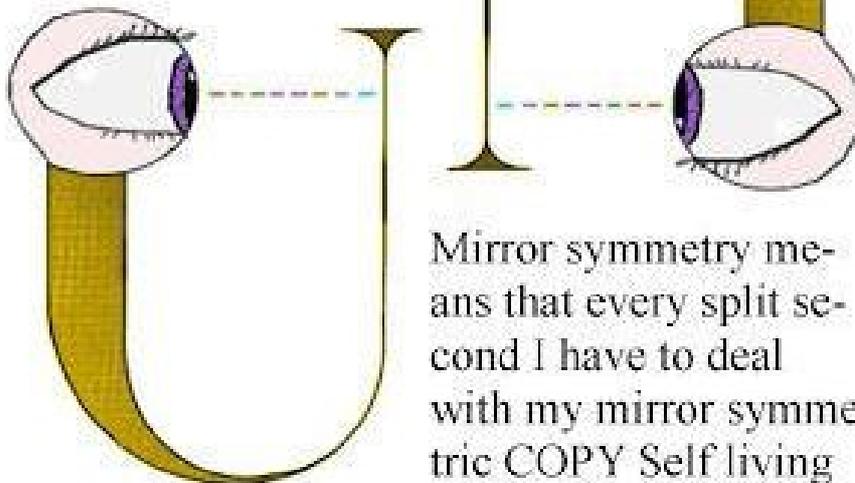


Figure: 23, Single repulsive gravity around a black hole represented by the vacuum oscillation spectrum or Oscillating Vacuum Lattice OLV around a black hole. Above: the Quantum Knot nucleus of a simple black hole.

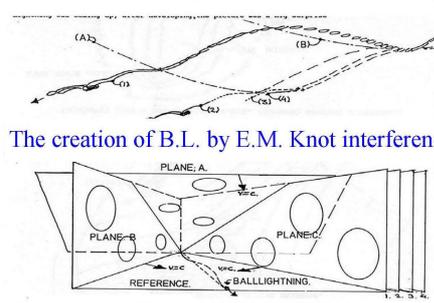
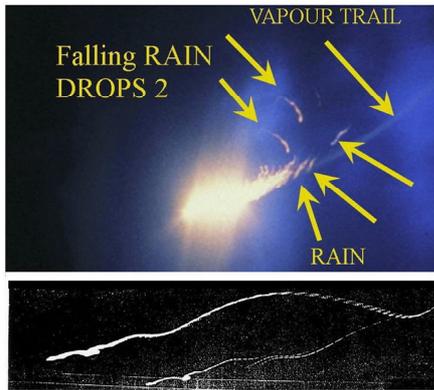
Mirror symmetry between mirror universes: called the multiverse. Quantum Entanglement at long distances



Mirror symmetry means that every split second I have to deal with my mirror symmetric COPY Self living over there. (LeoVuyk)

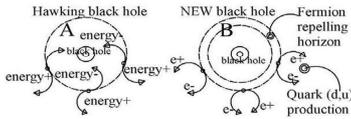
Figure: 24,

# THE SECRET OF BALL LIGHTNING. Its production by e.m.- x-ray interference into a KNOTTY Nucleus, able to accelerate, decrease Entropy and produce Vapour.



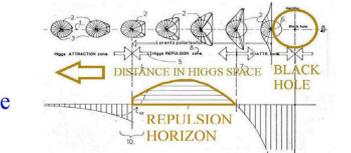
Author: Leo Vuyk 10-02-2011 NL.

## The NEW Black Hole Paradigm



The standard Hawking Radiation postulate is: that all matter (NOT all energy) is drawn into the Black hole.  
My NEW postulate is that even energy (and pushed outside) at the Black hole horizon by QUANTUM FLUCTUATIONS producing Electrons and Positrons.  
The reason for this NEW Fermion production effect is, that it is a consequence of the concentration of head-on Higgs particle collisions just at the horizon. Some Electrons and Positrons will annihilate, but the rest will form Quarks and plasma, because the Higgs vacuum lattice is CHIRAL and prefer to link Gluons to Positrons and form U-Quarks in favour of Electrons and Gluons, which form D-Quarks.  
Thus more Electrons will stay single and form Hydrogen atom shells. However they have less mass than Quarks and feel less attraction to the Black hole nucleus, thus Electrons form also an external shell around the Black hole inner shell of Protons and some Neutrons!  
Due to the propeller shape of the particles all the plasma is repelled away from the black hole! The Black hole will not evaporate!  
This is the base for NEW Physics and a support for a new explanation of Cometary X-rays, Hydrogen and AMINO ACID production. Even Gas Pillar and Herbig Haro formations inside Nebula should be a logic base. Author Leo Vuyk.

## The Fermion repelling horizon



7x Higgs quantum curves (2) are depicted for Fermions (3) with different distance to the BH horizon. At location (10) the spin of the fermions will to the propeller shape of the Fermion and an opposing force away from the horizon is created by the Higgs vacuum itself down to location (7). The zone between (7) and (10) ...



How is the vacuum able to release energy to overcome the opposing wind? By SPIN FLIP and the Plasma tail is always swept at the back of the BL by the wind itself!

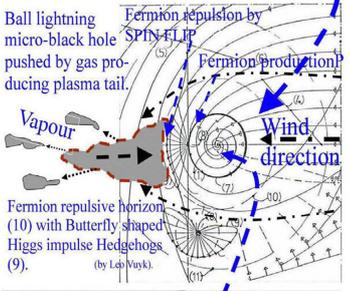


Figure: 25, poster showing how ball lightning should be interpreted as a micro black hole.

Two accelerating, pairing and receding micro black holes in the Carina nebula with temporary meeting place A.

Two accelerating, pairing and receding micro black holes in the Carina nebula with temporary meeting place A, and ionised H2 gas trail.

### What is wrong with Physics at the astronomical scale?

Ball lightning pushed by Plasma tail against the wind  
Vapour trail washed out by the wind

The raspberry multiverse.  
The CPT symmetric raspberry universe seems to be the result of fractal shaped expansion, of the rest of a cyclic central big crash black hole, into egg shaped bubbles with individual Cosmic Microwave Background (CMB) Planck and Planck.

The CPT SYMMETRIC MULTIVERSE CYCLE.  
The Inflation epoch starts if the decreasing vacuum pressure equals the increasing Higgs tension of the Big Crunch black hole nucleus. Inflation epoch ends if all splintered black hole nuclei are evaporated, or left behind as Galaxy Anchor Black Holes.

The origin of Elliptical Galaxies and complex external Dark Matter lobes, by merging of "spiral" galaxies, each equipped with two Galaxy anchor black holes (GABHs) located on each side of the equatorial plane of the spiral.

The Nucleus of the NEW Black Hole.  
A ball of string particles compressed by the oscillation energy of the NW Higgs vacuum lattice: DARK ENERGY. The BH Nucleus itself is DARK MATTER.

Author: Leo Vuyk 4-02-2011 NL

Leo Vuyk@Gmail.com <http://bigbang-entanglement.blogspot.com/>

Figure: 26, What is wrong with physics at the astronomical scale?



## Could Zero Point Electric Energy (ZPEE) of small dual black hole energy systems save the world?

The exhaustion of earth's resources, the criminal financial system, consumerism, overpopulation, poverty, corporate and personal greed, have brought the earth in great danger. The only way out, seems to be a dramatic but radical change of all these subjects.

However what radical change, should save us and prevent chaos and a third world war?

My only guess is Free Zero Point Electric Energy (ZPEE) Vacuum Energy by New Physics, based on Birkeland/ Alfvén electric currents found around the earth and galaxies, adapted to local/ regional scales of use.

As a consequence all physics intelligence power and finance should be much more focussed on so called "Energetic Blind Spots" in physics and astronomy on local and universal scale.

Examples:

A: There is still no serious world wide coordinated research on Ball Lightning and Earth bound micro Comets going on!

B: Physicists are still guessing about the real origin of the magnetic power of Sunspots!

C: The energetic origin of Comets is a mystery, though the research on Comets is taken more serious in the last years.

Secondly we have to think about new political structures to be able to change the base of world scale ZPEE electricity based food production techniques, earning models and law, to create a democratic Sustainable SUPER SOCIAL SOCIETY.

Only supported by free local/ regional electric vacuum energy, the world will be able to produce local food even in deserts, by influencing the weather/climate conditions by global air conditioning, and to build a world federation of stable local societies governed by computer aided management of production and consumption.

If we are able turn to the deserts by weather/climate change into fertile land, the world should be able to feed a multiple number of inhabitants under the sun, than we have now.

### Introduction.

It is an ongoing debate between physicists what the origin should be of the well known polar Birkeland currents and so called electric Alfvén circuits measured around earth and around galaxies.

If we have found the origin of these electric circuits, we probably have also found the origin of several other energetic mysteries on earth and in space, as there are; Ball Lightning, Earth bound Micro Comets, Comets and Sunspots.

The so called Electric Universe Theory has uncovered lots of important cosmological facts around this issue.

However even this theory does not have a clear physical answer about the origin of these electric currents.

Could it be, that beyond the standard model there is room for an extra role of dark matter and black hole physics?

Matt Strassler wrote about black holes: Why has the controversy gone on so long? It is because the mathematics required to study these problems is simply too hard — no one has figured out how to simplify it enough to understand precisely what happens when black holes form, radiate particles, and evaporate.

<http://profmattstrassler.com/2013/09/16/a-quantum-gravity-cosmology-conference/>

Recently it was even Stephan Hawking who changed his mind about the character of the "apparent horizon" of black holes

"Hawking: Black Holes Do Exist—But it's Complicated" | TIME.com

<http://science.time.com/2014/01/27/black-holes-hawking/#ixzz2rmd6fJoT>

## Sunspots, Comets and Ball Lightning.

Could sunspots, comets and ball lightning represent a new kind of Quantum Knots or Dark Matter Black Holes of different sizes, as the origin of those electric currents, or do we have to look for larger scale sunspot resembling objects?

The conventional sunspot solutions,

“How Are Magnetic Fields Related To Sunspots?”

[http://sohowwww.nascom.nasa.gov/explore/lessons/sunspots6\\_8.html](http://sohowwww.nascom.nasa.gov/explore/lessons/sunspots6_8.html)

Wikipedia:

“They are caused by intense magnetic activity, which inhibits convection by an effect comparable to the **eddy current** brake, forming areas of reduced surface temperature. They usually appear as pairs, with each sunspot having the opposite magnetic pole to the other.”

<https://en.wikipedia.org/wiki/Sunspot>

Solar energy output is now understood to be a result of a dynamo mechanism within the sun, converting the energy of plasma flow beneath the surface of the sun to magnetic energy foci on the surface that are observed in the form of sunspots.

<http://www.hindustantimes.com/india-news/newdelhi/indian-solves-400-year-old-sunspot-mystery/article1-668735.aspx>

The electric universe theory by Wallace Thornhill and David Talbott.

It is suggested that sunspots produce enormous electric currents (ref. 3)

(Thunderbolts) “Electric Sunspots” by Wallace Thornhill and David Talbott.

“Conventional theorists look to magnetism to solve the problem of solar energy distribution.

If they were to open their eyes to the electrical cause of magnetism, the solution would suddenly become visible.”

[http://www.thunderbolts.info/tpod/2007/arch07/070222electric\\_sunspots.htm](http://www.thunderbolts.info/tpod/2007/arch07/070222electric_sunspots.htm)

and “Electric Sun” by Wallace Thornhill and David Talbott

[http://www.bibliotecapleyades.net/electric\\_universe/electric\\_sun01.htm](http://www.bibliotecapleyades.net/electric_universe/electric_sun01.htm)

and the “Electric Comet” by Wallace Thornhill and David Talbott

[http://www.bibliotecapleyades.net/electric\\_universe/esp\\_electricuniverse17.htm](http://www.bibliotecapleyades.net/electric_universe/esp_electricuniverse17.htm)

“a synopsis of the electric universe” by Wal Thornhill.

[http://www.bibliotecapleyades.net/electric\\_universe/esp\\_electricuniverse16.htm](http://www.bibliotecapleyades.net/electric_universe/esp_electricuniverse16.htm)

Toward a Real Cosmology in the 21st Century

Wallace W. Thornhill\*

<http://www.benthamsience.com/open/toaaj/articles/V004/SI0162TOAAJ/191TOAAJ.pdf>

Other sources of electric sunspot ideas:

and: “Sunspot physics” Frequently sunspots occur in pairs. The two spots have opposite magnetic polarities, like the north and south poles of a horseshoe magnet.”

<http://www.esrl.noaa.gov/gsd/outreach/education/sam1/Activity10.html>

other sources;

The Origin of Sunspots - A New Hypothesis, by Ackerman, J.

“Sunspots are caused by caused by highly energetic solid bodies falling into the Sun”

Comets?

<http://adsabs.harvard.edu/abs/2003AGUFM5H42B0546A>

The puzzle: Why do sunspots last for weeks instead of flying apart? Like huge magnets, strong magnetic fields in sunspots naturally repel each other. What holds them together?  
<http://soi.stanford.edu/press/ssu11-01/>

Sunspots are not the result of convection of gas modified by magnetism. Sunspots are electrical structures.

Nasa: "What Lies Beneath a Sunspot?"

"Planet-sized dark spots on the Sun have puzzled scientists for hundreds of years"

[http://science1.nasa.gov/science-news/science-at-nasa/2001/ast07nov\\_1/](http://science1.nasa.gov/science-news/science-at-nasa/2001/ast07nov_1/)

### **Dark Matter Black Hole Sunspots:**

"The Self Organizing Universe in the Carina Nebula."

My own contribution. <http://rxiv.org/pdf/1304.0022v1.pdf>

"Are Sunspots made of gravitating Dark Matter Black Holes? (My own contribution).

<http://vixra.org/pdf/1312.0076v1.pdf>

### **Universal Dark Matter Black Holes.**

"Massless black hole pairs in string theory" By: R. Emparan 1996. Department of Physics University of California <http://arxiv.org/pdf/hep-th/9607102v3.pdf>

"Hubble Redshift Despite Universal Contraction is possible."

[http://fqxi.org/data/essay-contest-files/Vuyk\\_13747558.pdf](http://fqxi.org/data/essay-contest-files/Vuyk_13747558.pdf) Hubble Re.pdf

"The Bouncing CP symmetrical Multiverse, based on a massless but energetic oscillating (non SM Higgs) Vacuum Particle System."

[http://fqxi.org/data/essay-contest-files/Vuyk\\_13121461.pdf](http://fqxi.org/data/essay-contest-files/Vuyk_13121461.pdf) The bounc 1.pdf

"The case for primordial black holes as dark matter" Author: M.R.S. Hawkins( 20 Jun 2011)

<http://arxiv.org/abs/1106.3875>

### **Recent evidence for polar solar hotspots found by the IceCube experiment as telltale for Solar Anchor Black Holes (SABHs)?.**

See: IceCube Neutrino Observatory

[https://en.wikipedia.org/wiki/IceCube\\_Neutrino\\_Observatory#Results](https://en.wikipedia.org/wiki/IceCube_Neutrino_Observatory#Results)

"Strange cosmic ray hotspots stalk southern skies"

<http://www.newscientist.com/article/dn20436-strange-cosmic-ray-hotspots-stalk-southern-skies.html#.UuqH1j15OJp>

### **Could this be one of the telltales (the southern) of a Solar Anchor Black Holes?**

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## References.

[47] **The New God Particle and Free Will.**

Author: Leo Vuyk, **LuLu publishers, 2008.**

**ISBN number 978-1-4092-1031-3**

<http://www.lulu.com/spotlight/LeoVuyk>

[46] **Quantum FFF Theory is also published in the form of POSTERS at the Flickr site:**

<http://www.flickr.com/photos/93308747@N05/>

[45] **Numbered listing of Vixra essays by Leo Vuyk (see below).**

[http://vixra.org/author/leo\\_vuyk](http://vixra.org/author/leo_vuyk)

[44] viXra:1401.0115

Calabi Yau Shaped Double Fermion Spin States.

[43] viXra:1401.0071

Democratic Free Will in the Instant Entangled Multiverse.

[42] viXra:1312.0143

The Navel Cord Multiverse with Raspberry Shape.

[41] viXra:1312.0076

Are Sunspots Made of Gravitating Dark Matter Black Holes?

[40] viXra:1310.0101

The New Nuclear Magic Number (34) Explained by the Polar Coaxial Ring System of  
Category: Nuclear and Atomic Physics

[39] viXra:1310.0059

The Semi Relativistic Higgs Field Aether with Mass Related Lightspeed Adaptation.

[38] viXra:1309.0081

New Physics by Table Top Experiments.

[37] viXra:1308.0083

The Raspberry Shaped Super Symmetric Multiverse

[36] viXra:1307.0068

Quantum Function Follows Form Theory, the Small Scale, Posters part 1.

[35] viXra:1307.0067

Quantum Function Follows Form Theory, the Large Scale, Posters part 2.

[34] viXra:1306.0218

Dark Matter UFO Dust Particles or Quantum Knots in the LHC at CERN ?

**33**, viXra:1306.0065

The Splitting Dark Matter- Black Hole- Big Bang and the Cyclic Multiverse.

**32**, viXra:1305.0140

Quantum FFF Theory Experiments, a Summary.

**31**, viXra:1305.0041

The Shnoll Effect Explained by Quantum FFF Theory.

**30**, viXra:1304.0022

The Self Organizing Universe in the Carina Nebula.

**29**, viXra:1303.0211

Hubble Redshift Combined with Universal Contraction is Possible.

**28**, viXra:1303.0053  
 Micro Birkeland Currents Between Two RF Generated Plasma Balls in the Laboratory.

**27**, viXra:1302.0172  
 Silicon Based Ball Lightning Globule Structures and Signs for Accumulation and Retarded Decrease of Tunnelling Energy Bullets.

**26**, viXra:1301.0088  
 Two or Three Large Quasar Groups (LQGs) Located at the Start of Two or Three Lyman Alpha Systems and a Part of the Raspberry Multiverse?

**25**, viXra:1301.0050  
 Dwarf Galaxies and Their Relation with Dark Matter Based Galaxy Anchor Black Holes (Gabhs).

**24**, viXra:1210.0177  
 Instant Broglie Bohm Pilot Waves, the Origin of All Entanglement Effects in the Lab and Wavefunction Collapses in Our Universe as Related to Our Opposing Anti-Copy Universe(s) According to Quantum FFF Theory.

**23**, viXra:1209.0092  
 New Dark Matter Black Holes and a New Dark Energy Higgs Field, Lead to a Bouncing CP Symmetrical Multiverse, and New Experiments.

**22**, viXra:1209.0061  
 Birkeland Currents, Sunspots, Comets and Ball Lightning Originated by New Paradigm Dark Matter Black Holes.

**21**, viXra:1209.0030  
 Majorana and Sterile Neutrino Solutions in the Quantum-FFF Model.

**20**, viXra:1208.0031  
 Clumpy Dark Matter Around Dwarf Galaxies a Support for an Alternative Black Hole Theory According to the Quantum Function Follows Form Model.

**19**, viXra:1202.0091  
 Earth Magnetic Monopole Array Field Interaction with Cyclotron –Synchrotron Electrons and Muon Conversion Used for Levitation Systems.

**18**, viXra:1201.0092  
 Earth Magnetic Monopole Array Field Interaction with Cyclotron Electrons used for Levitation Systems.

**17**, viXra:1112.0065  
 LHC Signals Between 121-130 Gev Interpreted with Quantum-FFF Theory

**16**, viXra:1111.0096  
 Reconciliation of QM and GR and the Need for a Pulsating Entangled CPT Symmetric Raspberry Shaped Multiverse.

**15**, viXra:1111.0061  
 Black Hole Horizon Curvature Dependent Balance Between Plasma Creation and e-e+ Annihilation in Quantum FFF Theory.

**14**, viXra:1108.0036  
 Artificial Ball Lightning Production and Exploitation Device for Zero Point Electric Energy Usage.

**13**, viXra:1108.0006  
 Mass in Motion in Quantum FFF Theory

**12**, viXra:1104.0083  
 Quantum FFF Theory in Posters.

**11**, viXra:1104.0044  
 Ball Lightning, Micro Comets, Sprite-Fireballs and X-Ray/gamma Flashes According to Quantum FFF Theory.

**10**, viXra:1104.0002  
 Stellar Anchor Black Holes as the Remnants of Former Herbig Haro Objects

**9**, viXra:1103.0097  
ZPE Zero Point Energy Examples Around Black Holes.

**8**, viXra:1103.0068  
Funktion Follows Form, at the Quantum Scale and Beyond.

**7**, viXra:1103.0024  
Quantum Gravity and Electro Magnetic Forces in FFF Theory

**6**, viXra:1103.0015  
Wavefunction Collapse and Human Choice-Making Inside an Entangled Mirror Symmetrical Multiverse.

**5**, viXra:1103.0011  
An Alternative Black Hole, Provided with Entropy Decrease and Plasma Creation

**4**, viXra:1103.0002  
3- Dimensional String Based Alternative Particles Model

**3**, viXra:1102.0056  
Experiments to Determine the Mass Related Lightspeed Extinction Volume

**2**, viXra:1102.0054  
Atomic Nuclear Geometry Based on Magic Number Logic.

**1**, viXra:1102.0052  
Construction Principles for Chiral “atoms of Spacetime Geometry