

# **The Self Organizing Universe in the Carina- and other Nebula.**

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## **Abstract,**

According to Quantum FFF Theory, the FORM and MICROSTRUCTURE of elementary particles, is supposed to be the origin of FUNCTIONAL differences between Higgs- Graviton- Photon- and Fermion particles.

As a result, a NEW paradigm splitting, accelerating and pairing Black Hole seems to be able to accelerate itself by a -Zero Point Energy driven-self created plasma tails, to form dumbbell systems, called Herbig Haro systems, as the start of Bok globules and new star formation in between these dual- or multiple black holes, kept apart by Birkeland current related particle jets.

Several examples of such pairing and splitting into HH objects and Bok globules is observed inside the Carina nebula.

These small black holes inside the Carina nebula are supposed to be remnants of Supernovas or even at a smaller scale remnants of comets or former Starspots like our own Black hole based Sunspots.

This is also reason to suppose that what we observe here at a small scale should have happened directly after the Big bang and the origin of the so called Fractal shaped Lyman Alpha Forest..

As a consequence, this phenomenon is an extra support for the Quantum FFF theory based Big Bang model as the splitting process of a former Big Crunch black hole into a symmetric raspberry shaped multiverse.

The recent observation of bipolar butterfly shaped planetary nebula aligned with the plane of the milky way, should be a direct result of the way Herbig Haro objects are created by pairing and receding dual black hole systems.

## Introduction.

Quantum FFF (Function Follows Form) theory states, that the vacuum is seeded with fast oscillating massless Higgs particles (dark energy), oscillating along a complex chiral tetrahedral vacuum lattice, which has the ability to transfer Photon and Graviton FORM information in bunches of oscillations (in wave form), through the vacuum lattice with the local speed of light. Ref [13,18,21]. As a consequence there are no attraction forces on propeller shaped Fermions. Gravity seems to be the result of two different impulse arrays: the massless Higgs impulse array and the (less effective) massless Graviton impulse array. As a consequence, new paradigm 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 the oscillating Higgs vacuum frame. (Fig. 6) and (Ref. 7,8,9,11,13,17).

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 nucleus and the origin of the Casimir gravity effect of Black holes..

In the Q-FFF model, Fermions are assumed to have a propeller shape equipped with a left- or right hand “pitch” Quarks and some leptons are compound particles (with photonic gluons) however, electrons and positrons are singular. (Ref. 18)

Only the statistical sum of the different kinds of vacuum impulses (butterfly shaped vector arrays) by real collisions from all directions on Fermions are responsible for all (energetic) phenomena in the universe. (Fig 3,4)

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 globular horizon.

As a result, Black holes are Zero Point Energy driven electric generators with negative charge at the outside and positive charge at the inside.

The Fermion repelling horizon of Black holes (fig.7,8,9) is also the origin of vacuum polarisation between pairing Black holes leading to the fast creation of Stars by Stellar Anchor Black Holes (SABHs), Galaxies, (Cygnus A: fig 5) Herbig Haro objects, the pairing of Sunspots Alfvén circuits and Birkeland currents.

The accelerating plasma tail of NEW paradigm Black holes (fig9) (Ref.17), and the splitting Black holes into smaller pairing Black holes is supposed to be the origin of a smooth proliferation of Black holes and downsizing after the big bang of star magnitudes.

The Eagle Spire Nebula, (fig. 1) in the Carina and other nebulas, are examples of a smooth proliferation of down sizing by splitting Black holes through Galaxies and Nebula.

We observe in these nebulas the pairing and splitting of Black holes ending up into multiple Herbig Haro objects (double stellar anchor Black hole systems) generating Hydrogen gas around the two black holes in addition with Birkeland Current systems as accelerating origin of fast new star formation and the start of open star clusters.

Consequently the electric energy production of Stellar Anchor Black Holes (SABHs), seem to be able to explain quick Star- and Galaxy formation, by Birkeland Currents, Alfvén Circuits. However, smaller (new paradigm) Black holes (created by magnetic interference and Radio Frequency currents) are supposed to be responsible for Sunspots, micro-Comets, Ball

Lightning and even as multiple so called Quantum Knots inside Plasma Balls in the laboratory..

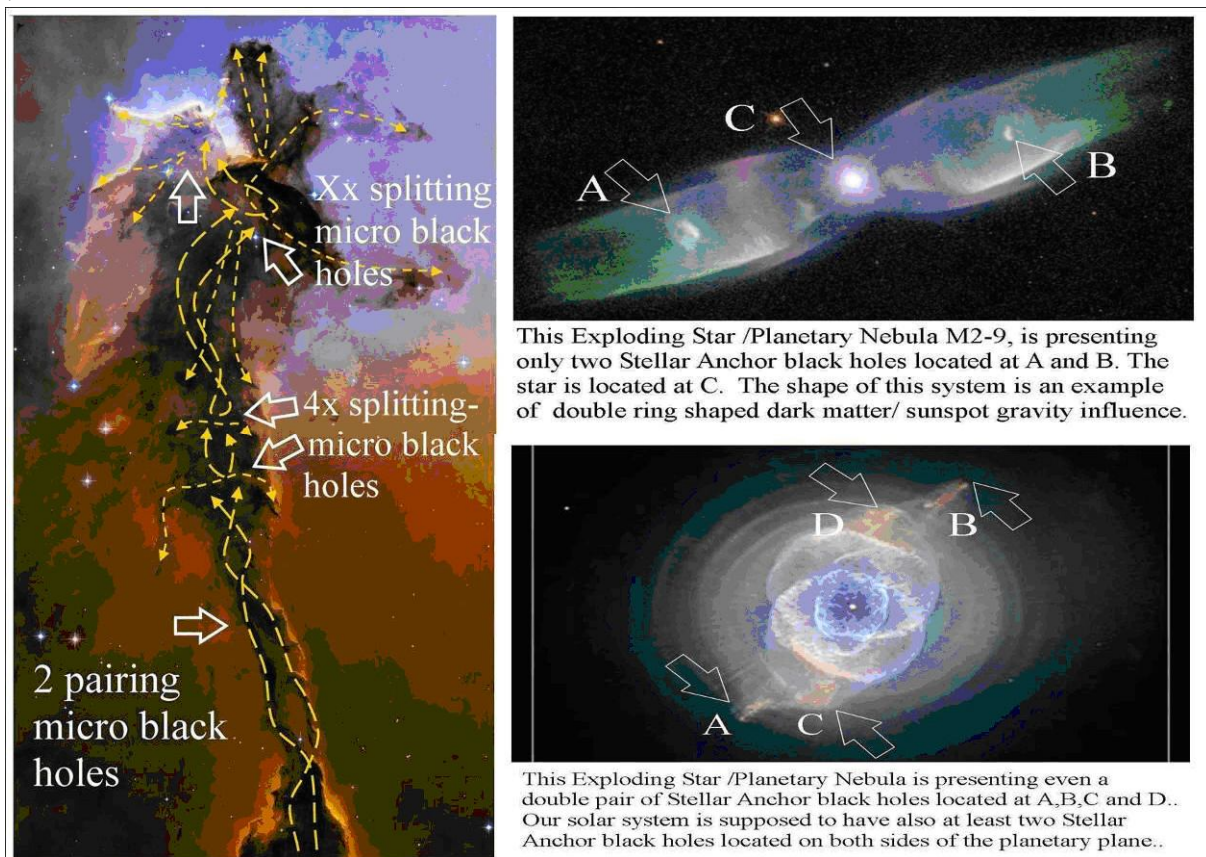


Figure 1, The Spire Eagle nebula, with two Planetary nebula, examples of the gas production and concentration effect of Black holes in the electric universe.

The origine of Double MWC922 interference rings

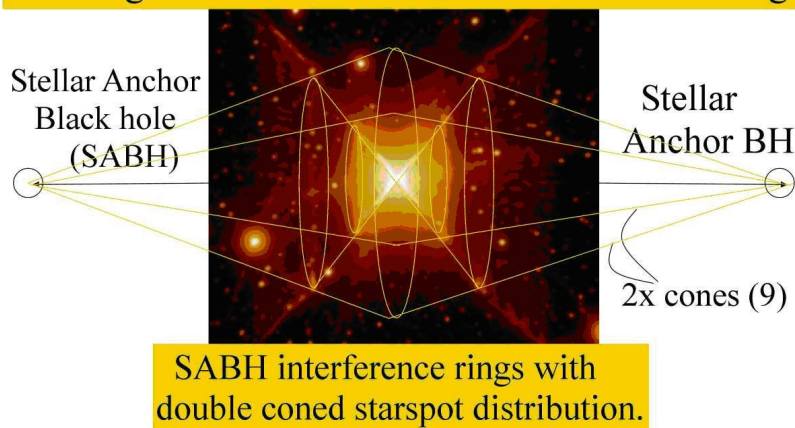


Figure 2, The Red Square Planetary nebula MWC922, equipped with double cone structure of expelled material including trailing starspots (Micro Black Holes). There are FOUR cones (figure 3) of interferences originated by the two Stellar Anchor Black holes (SABHs). These four cones seem to interfere with the TWO cones of expelled material of the star, leading to FOUR rings of interference.

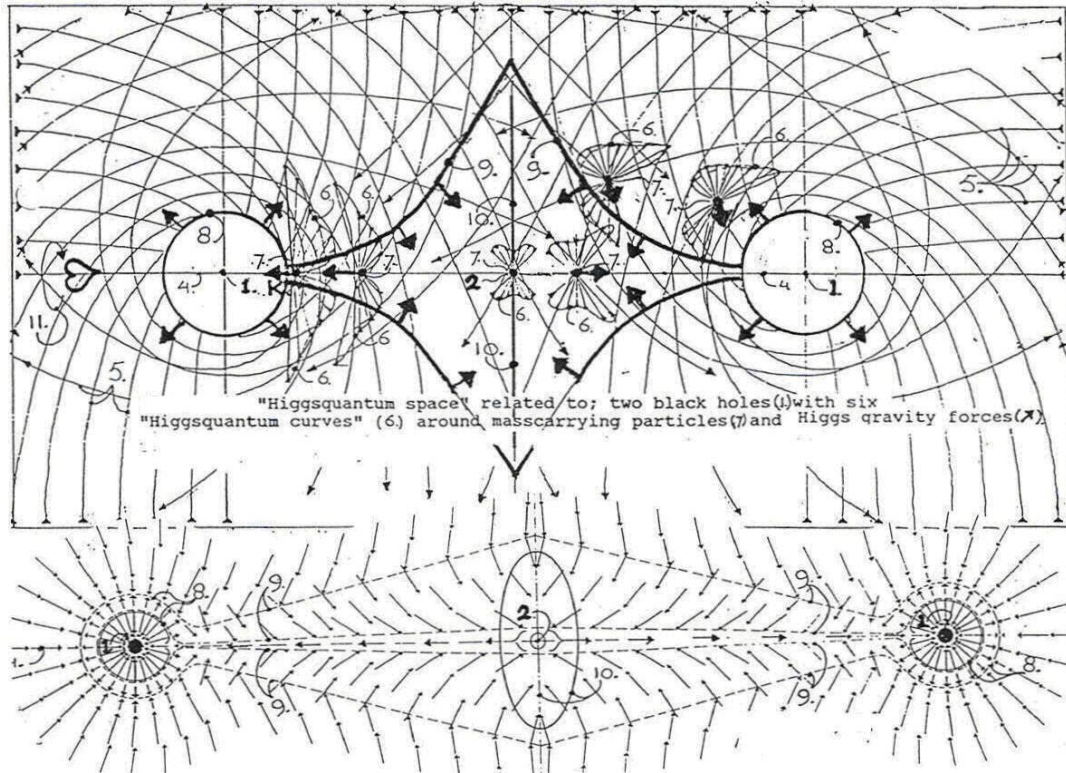


Figure 1, Higgs Vacuum structure around a set of two Black holes, as is found to be present around some Planetary nebula, early Galaxies and Herbig Haro objects. The negative charged particle jets is the result of the Black hole based electric potential combined with the vacuum polarisation (acceleration) effect on light Fermions like electrons and the origin of Birkeland currents and Alfvén circuits.

Dumbbell system of new paradigm Black holes kept apart by two Herbig Haro electron-ion particle jets. Zero Point energy pressure effects around test masses are depicted as butterfly shaped vacuum pressure vector array curves. In Q-FFF theory, the vacuum gravity pressure is interpreted as Dark energy and Black holes as Dark matter. The central "White-Grey hole" is always the place for gas concentration by electric Birkeland current pressure of all open star clusters and Spiral Galaxies. Only Globular star clusters and some Dwarf elliptical Galaxies will show central massive Black holes.

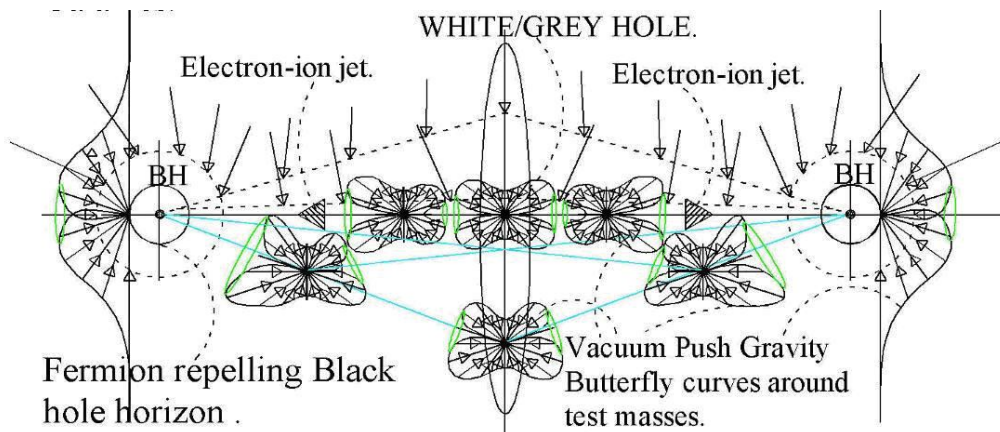


Figure 4, The same Birkeland current system as figure 3 with butterfly vector arrays at different locations around the Black holes. In the middle the vacuum has less density ( larger Planck lengths) by the absorption of the dual Black holes.

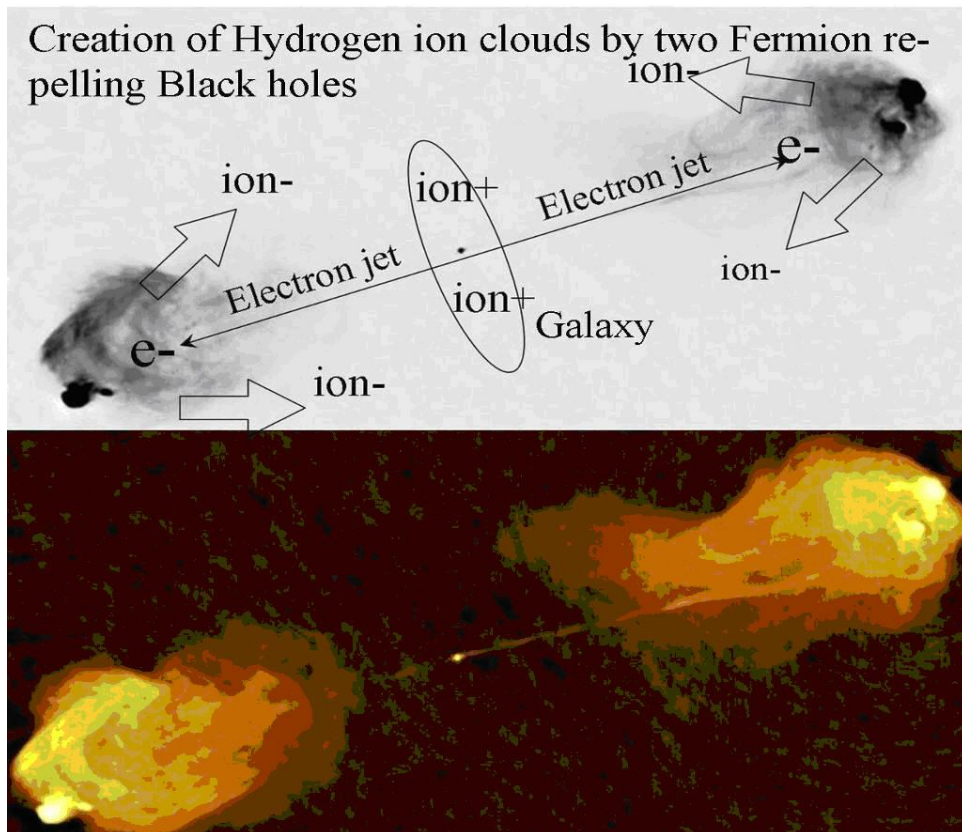


Figure 5 Cygnus A equipped with dual hotspots with gas production and electron jet including Birkeland currents and gas transportation by Alfvén circuits.

## The Nucleus of the NEW Black Hole.



A ball of Stringy particles compressed by the oscillation energy of the NEW Higgs vacuum Lattice= DARK ENERGY. The BH Nucleus itself is DARK MATTER.

Figure 6, Impression of a Quantum Knot based nucleus of the new Black hole.

## The OLD and NEW Black Hole differences.

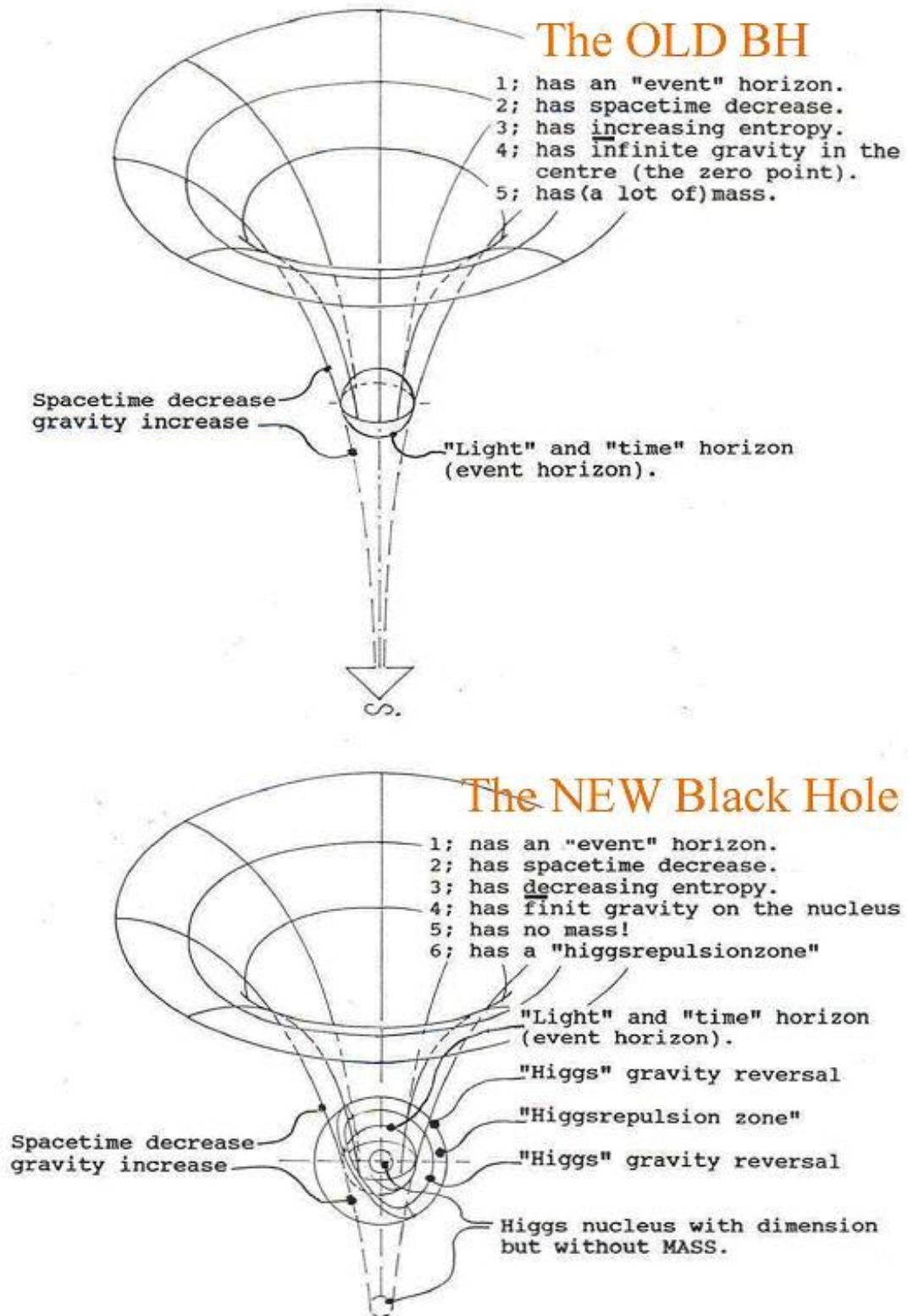
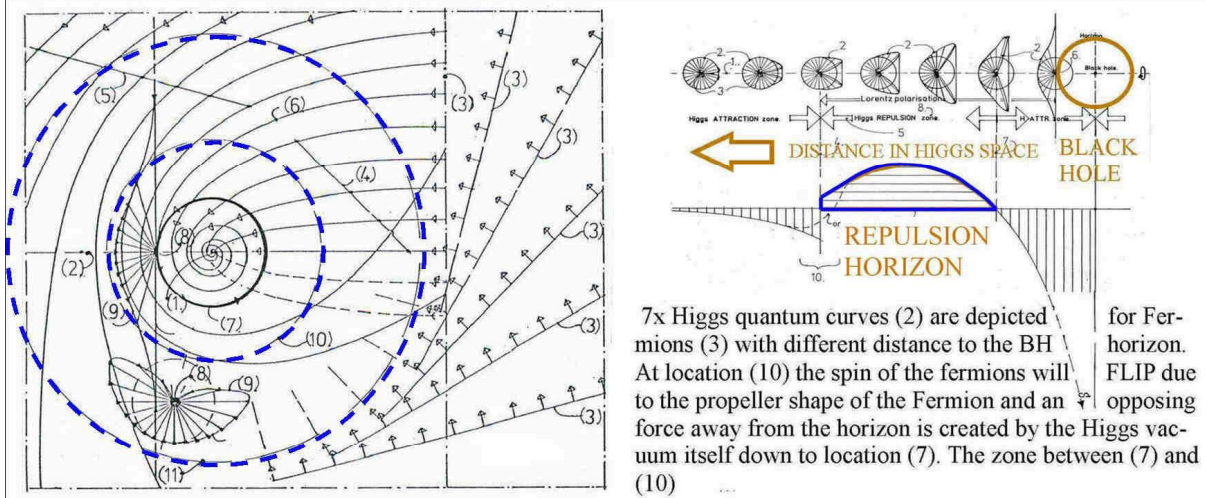


Figure 7, The difference between the old and new paradigm Black hole according to Quantum FFF Theory .

Fermion repulsion zone 10-11 around a Black hole, with Photon and Higgs trajectories around a NEW paradigm Black Holes.(Quantum-FFF Theory)



- 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 8, Principle of Fermion repulsion around a Black hole according to Quantum FFF theory..

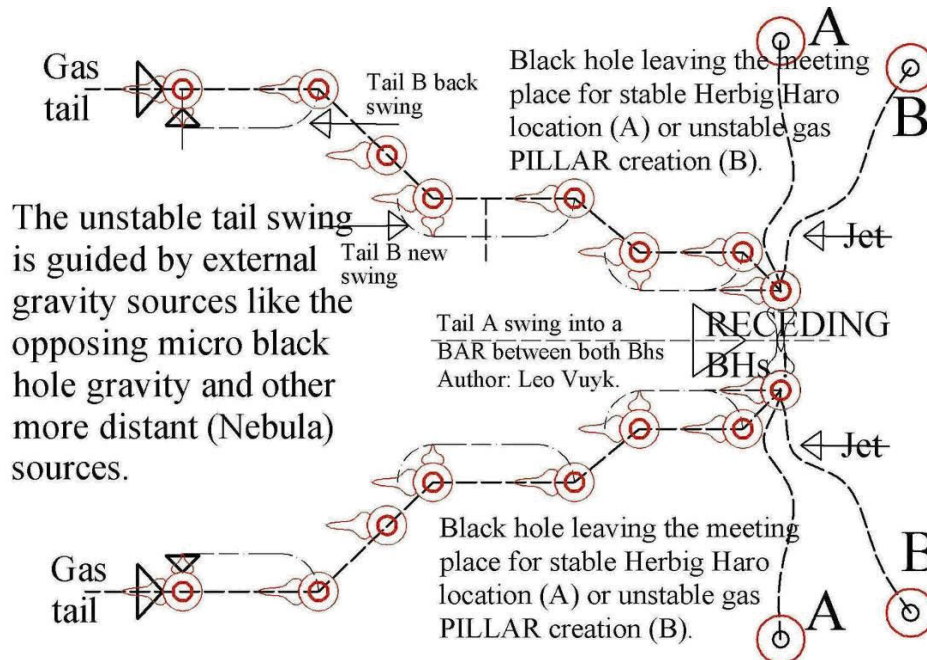
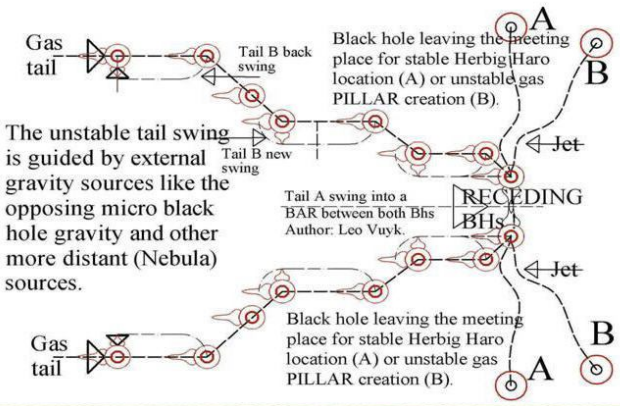
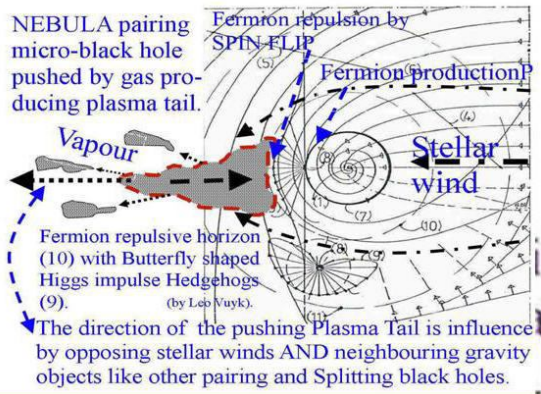


Figure 9, New Black hole propulsion principle by a self produced plasma-dust tail, also responsible for dust Pillar creation and the pairing and spitting effect as observed in nebula like the Eagle and Carina nebula.



Several accelerating pairing and receding micro black holes, as the start of HH objects, in the Carina nebula, with temporary meeting place (A) and ionised plasma tail. (Quantum-FFF Theory)

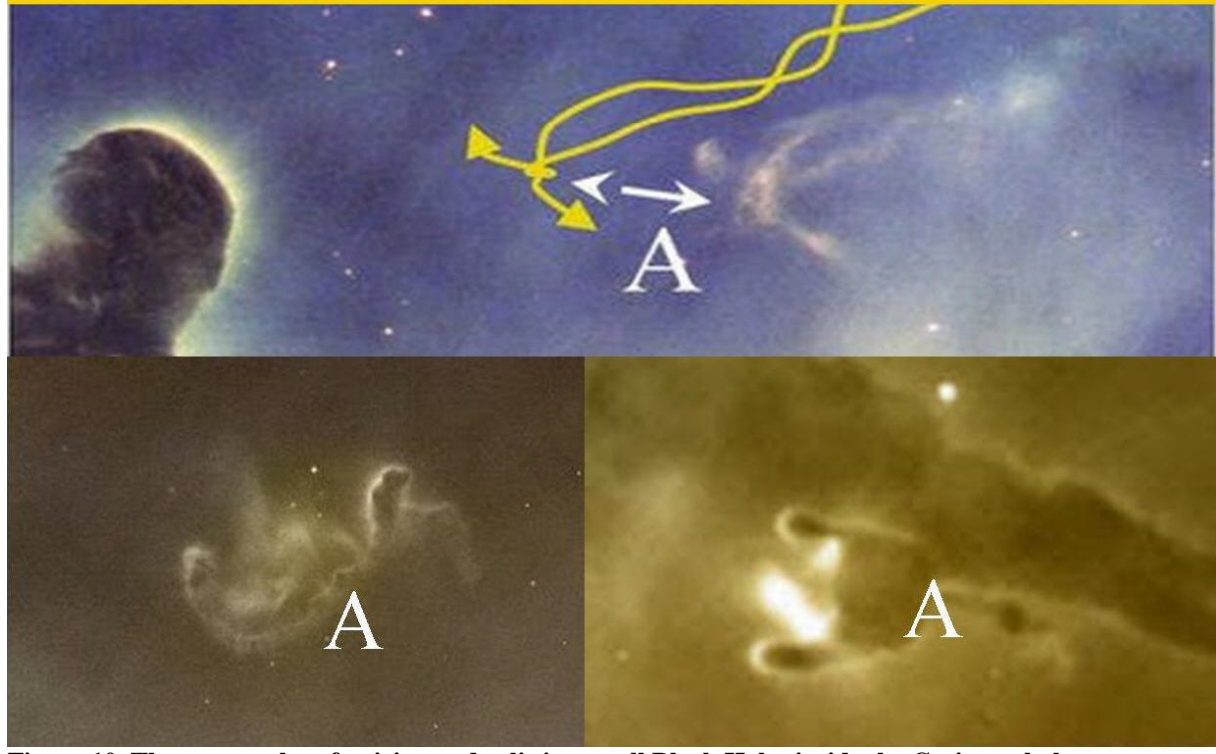
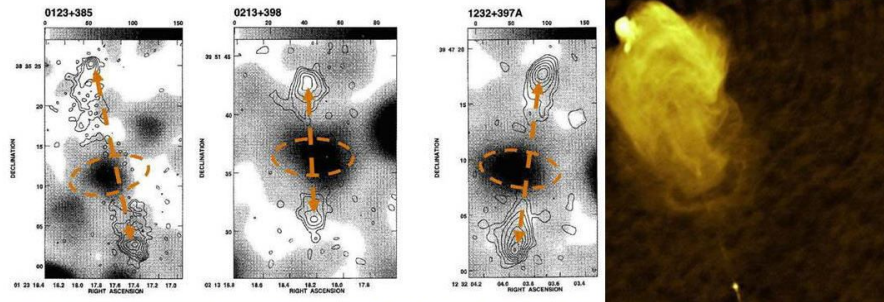
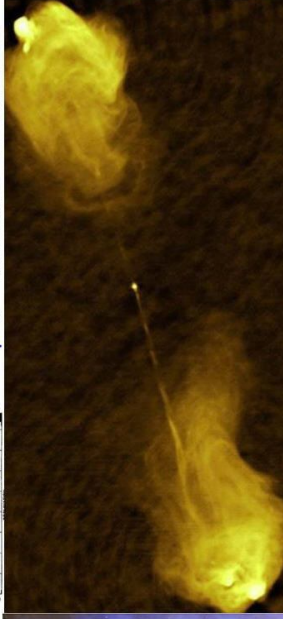
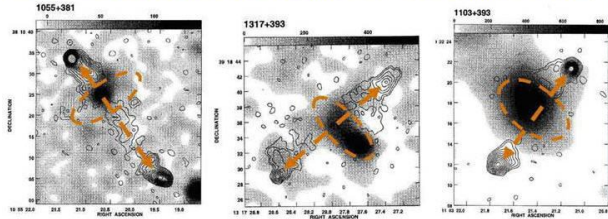


Figure 10, Three examples of pairing and splitting small Black Holes inside the Carina nebula.



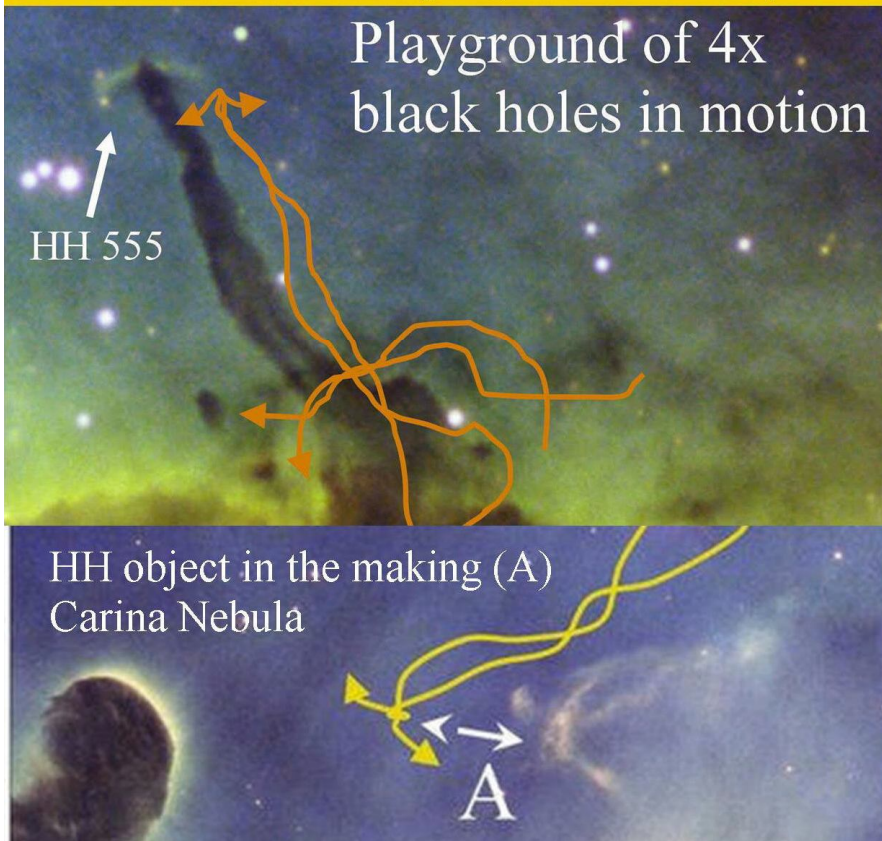


All images are copies from: The Astronomical Journal Vol 109 nr 2 Febr. 1995. the article is called: Faint B3 Radio Galaxies: Luminosity versus evolution effects, authors: F.N.Owen ad W.C. Keel.

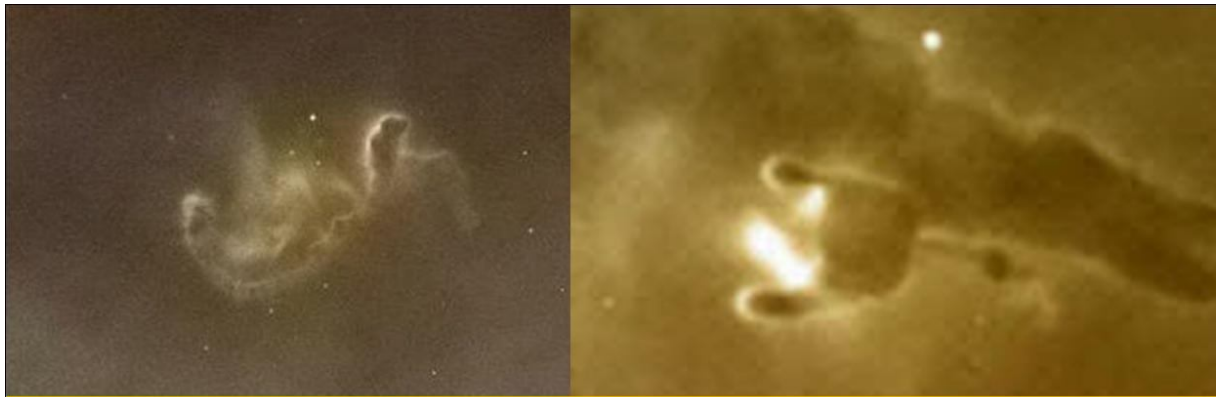


**Figure 11, Cygnus A (right) is one of the best examples of Birkeland current driven gas concentration between dark matter Galaxy Anchor Black Holes (GaBHs) (fig 5) . Even in the early universe these dumbbell structure have been found like the “Faint B3 Radio Galaxies” (Owen and Keel)**

Examples of “new” black holes, accelerated by self produced H<sub>2</sub> gas tails leaving gas pillars behind and splitting into Herbig Haro Objects (like HH555) to form a star forming centre in between, according to Quantum FFF Theory.



**Figure 12, Pairing and splitting new oaradigm black holes the origin of gas pillars HH objects and Bok globules.**



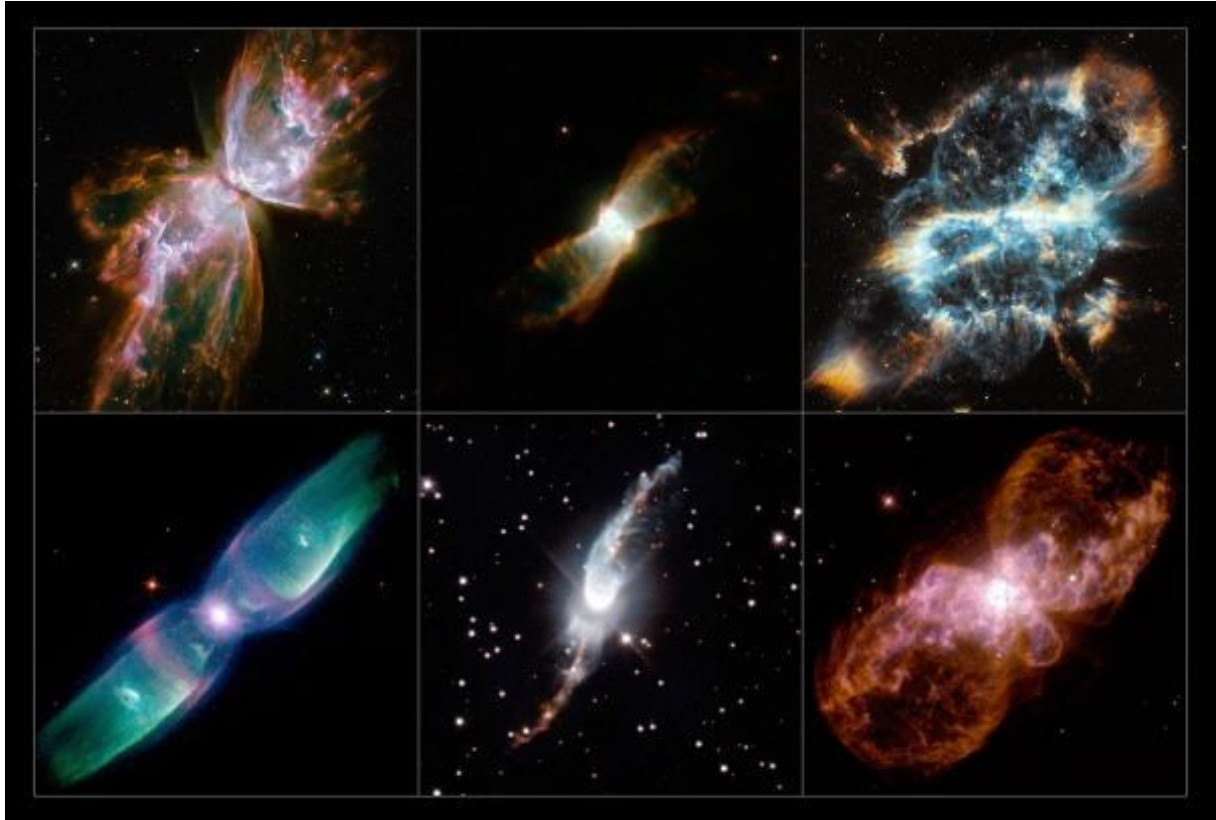
Pairing and splitting new paradigm Black holes (above) as vacuum dust gatherer and the origine of Gas pillars, HH objects and BOK globules according to Quantum-FFF Theory.



Bok globule with complex pairing and splitting black hole trajectories (Carina nebula)



Figure 13, The new paradigm black hole as vacuum dust cleaner and gatherer, Hydrogen gas production and Bok globule creation.



**Figure: 14, the majority of the bipolar planetary nebula in the Galaxy bulge area, seem to be aligned with the long axis parallel to the Milky way galaxy plane. ( B. Rees and A.A. Zijlstra, Univ. of Manchester UK) Alignment of the Angular Momentum Vectors of Planetary Nebulae in the Galactic Bulge**

**According to Quantum FFF theory, the origin of the bipolar planetary nebula alignment phenomenon is to be found by the quantum gravity and electric effect of the central region of the galaxy.**

1: The vacuum around the centre of the galaxy ( bulge) is supposed to be diluted due to the multiple Galaxy Anchor Black Holes ( GABHs) floating at both sides of the galaxy plane. See the Higgs vacuum array distribution around the Galaxy centre (fig 3)

As a result, there is a strong Casimir alike push on all Fermions like plasma tails connected to SN black holes to polarize and swing into the direction of the MW centre, pushing the SN black hole out of the centre of the galaxy.

2: Secondly as a result of the negative electrical charge of all black hole plasma tails and the positive charge of the centre of the galaxy, all Super Nova black holes will have the tendency to be pushed away from the centre by their plasma tails.

## **Conclusion:**

According to several observations of pairing and splitting black holes, we may conclude that there is a relation between the initial flight direction of two pairing black holes (before splitting apart), and the direction of splitting and receding of the two black holes, which is more or less perpendicular to the initial flight direction. (fig. 9)

This phenomenon seems to be a firm indication for the observed Pn alignment with the galaxy plane.

**QUANTUM-FFF THEORY elements deviating from the Standard Model by a:**

A: [NEW DARK MATTER BLACK HOLE](#), (Non oscillating Higgs particle Knot as NUCLEUS of the Black Hole)

B: [NEW DARK ENERGY HIGGS](#) (with 126 GeV OSCILLATING energy),

C: [NEW BIG BANG PARADIGM](#) (with symmetrical entangled raspberry shaped cyclic multiverse).

D: [NEW SYMMETRIC WAVEFUNCTION COLLAPSE](#) (only by symmetric entanglement between NEIGHBOURING supersymmetric anti copy universes down to the quantum level. The so called "cosmological Multiverse [SEPARATED by space\(time\)](#)" in contrast with the Quantum Multiverse not separated by spacetime.

E: [NEW HUMAN CONSCIOUSNESS](#) (is based on the a comparable but retarded (B.Libet: 400 m.sec) collapse principle).

F: [NEW STANDARD MODEL](#) (has to be extended with propeller shaped Fermions).

G: [The VARIABLE LIGHTSPEED](#) is dragged around massive objects. So a bouncing radar pulse from Venus onto Earth will show anomalies.

H: [NEW HUBBLE REDSHIFT](#) is originated by transformation (lattice dilution) of the vacuum by Dark Matter black hole proliferation through the universe.

J: [NEW QUANTUM GRAVITY](#) (or DOUBLE LESAGE gravity, based on opposing/combined Casimir/Graviton push gravity)

**DESCRIPTION MORE IN DETAIL:**

A: That a "black hole" create and repel propeller shaped Fermions and photons at its horizon, it has a Higgs knotty nucleus but no mass -because it does not emit gravitons-, and is the origin of all "dark matter" in the universe. The BH is supposed to exist at all scales from Quantum Knots (or Ball lightning) up to Comets, Sunspots, external Stellar- and Galaxy Anchor Black Holes, up to the Big Crunch- or Big Bang Black Hole.

B: That "dark energy" is based on microscopic massless vacuum (non SM) Higgs particles, energetic oscillating in opposing pairs and able to convert (NOT DECAY) into pairs of electrons and positrons, e.g. at the horizon of black holes. The Higgs is supposed to be

singular 3D-stringy particle able to convert into a different shape of an electron, positron photon or neutrinos. NOT direct into a Muon Tau or Quark, because these particles are supposed to be compound particles, based on composition of electron or positron propellers with photons/gluons.

That the 125 GeV mass of the Higgs particle (found by the LHC in Geneva) could be translated into 125 GeV energy of the paired vacuum particles. (alternative non SM Higgs) (And is consequently THE FIRST SIGN OF "DARK ENERGY") The LHC found a first sign of Dark Energy!!

C: That as a result, the Universe is cyclic, super symmetric and has the form of a raspberry shaped pulsating symmetric Multiverse with finite cycle time.

D: That all matter and humans have their instant entangled copy symmetric counterpart living inside the opposing super symmetric lobes of the raspberry multiverse. which is supposed to be the base for ALL WAVEFUNCTION COLLAPSES HERE on earth AND CONSCIOUSNESS.

E: That Humans and higher animals have the ability to influence conscious acts by a small retardation or lagging effect (300 m.sec) in decision making. This lagging effect phenomenon is already found and described for humans by Benjamin Libet, called RPI and RPII (Readiness Potential 1 and 2) see: <http://vixra.org/abs/1103.0015> called "Wavefunction Collapse and Human Choice-Making Inside an Entangled Mirror Symmetrical Multiverse."

F: That the STANDARD MODEL has to be extended with electric and magnetic monopole photons/gluons and Elementary particles are interpreted as real 3-Dimensional entities with complex convertible shapes, able to form compound quarks and two Leptons (the Muon and Tau).

G: The LIGHTSPEED is dragged around massive objects. So a bouncing radar pulse from Venus onto Earth will show anomalies. The orbital speed of Venus and the Earth will originate this anomaly. (By a ellipsoidal shaped LASOF around the earth: LOCAL ANTI-SYMMETRIC OSCILLATING vacuum FRAME)

## **PUBLICATIONS:**

Quantum FFF-Theory Essays by Leo Vuyk published on Vixra library.

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

<http://viXra.org/abs/1308.0083> The Raspberry Shaped Super Symmetric Multiverse without a CAT paradox.

<http://vixra.org/abs/1305.0140> Quantum FFF Theory Experiments, a Summary.

<http://vixra.org/abs/1305.0041> The Shnoll Effect Explained by Quantum FFF Theory.

<http://vixra.org/abs/1304.0022> The Self Organizing Universe in the Carina Nebula.

<http://vixra.org/abs/1303.0211> Hubble Redshift Combined with Universal Contraction is Possible.

<http://vixra.org/abs/1303.0053> Micro Birkeland Currents Between Two RF Generated Plasma Balls in the Laboratory.

<http://vixra.org/abs/1302.0172> Silicon Based Ball Lightning Globule Structures and Signs for Accumulation and Retarded Decrease of Tunneling Energy Bullets.

<http://vixra.org/abs/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?

<http://vixra.org/abs/1301.0050> Dwarf Galaxies and Their Relation with Dark Matter Based Galaxy Anchor Black Holes (Gabhs).

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<http://vixra.org/abs/1209.0030> Majorana and Sterile Neutrino Solutions in the Quantum-FFF Model.

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<http://vixra.org/abs/1112.0065> LHC Signals Between 121-130 GeV Interpreted with Quantum-FFF Theory.

<http://vixra.org/abs/1111.0096> Reconciliation of QM and GR and the Need for a Pulsating Entangled CPT Symmetric Raspberry Shaped Multiverse.

<http://vixra.org/abs/1111.0061> Black Hole Horizon Curvature Dependent Balance Between Plasma Creation and e-e+ Annihilation in Quantum FFF Theory.

<http://vixra.org/abs/1108.0036> Artificial Ball Lightning Production and Exploitation Device for Zero Point Electric Energy Usage.

<http://vixra.org/abs/1108.0006> Mass in Motion in Quantum FFF Theory.

<http://vixra.org/abs/1104.0083> Quantum FFF Theory in Posters.

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<http://vixra.org/abs/1104.0002> Stellar Anchor Black Holes as the Remnants of Former Herbig Haro Objects.

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<http://vixra.org/abs/1103.0015> Wavefunction Collapse and Human Choice-Making Inside an Entangled Mirror Symmetrical Multiverse.

<http://vixra.org/abs/1103.0011> An Alternative Black Hole, Provided with Entropy Decrease and Plasma Creation.

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New articles on Vixra:

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

<http://vixra.org/abs/1306.0065> Authors: Leo Vuyk.

**BOOK: "The New God Particle and Free Will"** (Publ. by Lulu.com see also: Amazon.com)

## QUANTUM FFF THEORY

According to Quantum FFF Theory, the FORM and MICROSTRUCTURE of elementary particles, is supposed to be the origin of FUNCTIONAL differences between Higgs-Graviton- Photon- and Fermion particles. As a result, a NEW paradigm of splitting-, accelerating- and pairing Black Hole seems to be able to accelerate itself by a -Zero Point

Energy driven-self created plasma tails ( by a new Quantum Fluctuation process), to form dumbbell systems, of two or even more black holes. Inside Nebula these dumbbell systems are called Herbig Haro systems.

Inside the early universe however these systems are observed as dumbbell shaped radio lobes at both sides of early galaxies (Faint B3 radio galaxies). Recent cosmic observations of the infra red and x-ray background radiation of the universe by Chandra and Spitzer space telescopes (CIB and CXB), suggest that even direct after the big bang ABUNDANT black holes already existed.

This can be interpreted as a support for a Black Hole splitting Big Bang and a Black Hole pairing Big Crunch before, thus there is reason to propose a cyclic Universe.

In Quantum FFF theory, the chirality of the universal vacuum lattice is proposed to be the origin of negative- or positive charged black holes and the origin of the formation of matter over anti-matter around negative charged black holes as in our universe seems to be the case.

The chirality of the oscillating Higgs vacuum is supposed to be the origin of preferred Positron attachment with three different shaped monopole Gluon/photons for easy Quark formation without a lot of particle annihilation back into the Higgs vacuum. Quantum FFF Theory states that all quarks and two leptons (muon and Tau) are composed out of electrons or positrons as a base with one or two photons/Gluons as "click-on" elements and "click out" and transform on decay processes . So Quark compositeness is needed to be in line with the color charges of QCD model.

At the same time, the possibility of a chiral universal vacuum is reason to support the idea of a super symmetric raspberry shaped multiverse, with a limited number of dual CP(T) symmetric (anti) copy universes, instant entangled down to all quantum systems.

The Quantum FFF model seems to be a unique description of reality including multiuniversal wavefunction collapse and human consciousness. As a consequence it can be qualified as a proposal for the theory of everything.

## **RECENT SUPPORT FOR Q-FFF ELEMENTS**

### **YOUNG UNSTABLE SPLITTING HULA HOOP STARS, support for SABHs (stellar Anchor Black Holes) the origin of OPEN star clusters.**

Spitzer Astronomers have discovered a young stellar system known as YLW 16A containing three young stars that work together like a hula hoop.

According to Quantum FFF ( Function Follows form) theory, Black Holes are equipped with three horizons by the structural differences of the quantum vacuum lattice at different distances of the BH nucleus. As a consequence, Black holes produce and repel Fermions often in the form of plasma and ionized H2 gas. The gas has a peculiar habit, it will concentrate at the side of the black hole where it is attracted most by other gravitational influences of external objects.



As a result, the gas will form knots or tails, able to PUSH the black hole horizon into an anti symmetrical shape which forces the BH to move opposite and away from the gas tail. This process is supposed to be the base for lots of peculiar pairing and splitting dual gas knot processes observed in Nebula such as the Carina nebula.

If two black holes approach each other, there is a critical distance between the two objects originated by the mutual BH nucleus attraction force and the mutual gas tail attraction forces. As a result, at a critical distance the two gas tails will swing around the BH and form a mutual gas bar between the two BH's, pushing the two BH's away from each other.

This system is supposed the logical origin of so dual called Herbig Haro (H-H)objects, observed all around inside nebula and the origin of star forming processes in the centre of the dual H-H objects. If the two H-H lobes represent the two (Super Nova) black holes then the total nuclear content (mass) of these BH"s will influence the surrounding quantum space and consequently the maximum mass of the central star of the H-H system.

It is assumed that the central star is the start of a so called open star cluster, producing multiple stars by a what I call a "Hula Hoop" instability star splitting process. This Hula Hoop process is recently observed by the Spitzer satellite, (2013) showing two "Hula Hoop"stars accelerated away from a central mother star.

If the rotating central star is growing by the gas supply and accelerated by electrical Birkeland currents, it is stabilized by these Birkeland currents and the structure of the oscillating Higgs vacuum in between the two H-H lobes or black holes..

However at some moment, the star will reach its maximum mass, as a result it will start to wobble like a rugby ball and eventual split into three stars, the start of an open star cluster, which is what the [Nasa Spitzer telescope showed us.](#)

Leo Vuyk. Augustus-2- 2013.

## References;

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Author: Leo Vuyk

Category: Quantum Physics

[2] 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.**

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[3] viXra:1202.0091 **Earth Magnetic Monopole Field Interaction with Cyclotron-Synchrotron Electrons and Muon Conversion Used for Levitation Systems**

Authors: Leo Vuyk

Category: Quantum Gravity and String Theory

[4] viXra:1201.0092 **Earth Magnetic Monopole Array Field Interaction with Cyclotron Electrons used for Levitation Systems.**

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Category: Quantum Gravity and String Theory

[5] viXra:1112.0065 **LHC Signals Between 121-130 Gev. Interpreted with Quantum-FFF Theory**

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Category: High Energy Particle Physics

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

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

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[8] viXra:1108.0036 **Artificial Ball Lightning Production and Exploitation Device for Zero Point Electric Energy Usage.**

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[10] viXra:1104.0083 **Quantum FFF Theory in Posters.**

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