

# Dual Star Ejection in Open Star Clusters by the Central Star.

Leo Vuyk,  
Architect,  
Rotterdam, the Netherlands.

## **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, (with Gamma Ray Bursts) accelerating and pairing Dark Matter 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 (HH) 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.

As a consequence, Herbig Haro systems are supposed to be the origin of Open star cluster, created by the dual production of Baby Stars out of the continuous growing an instable rotating central HH star.

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 Alfven 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- formation, by Birkeland Currents, Alfven Circuits and dual BABY star production out of instable growing central Open cluster stars ( figure: 19-27).

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..

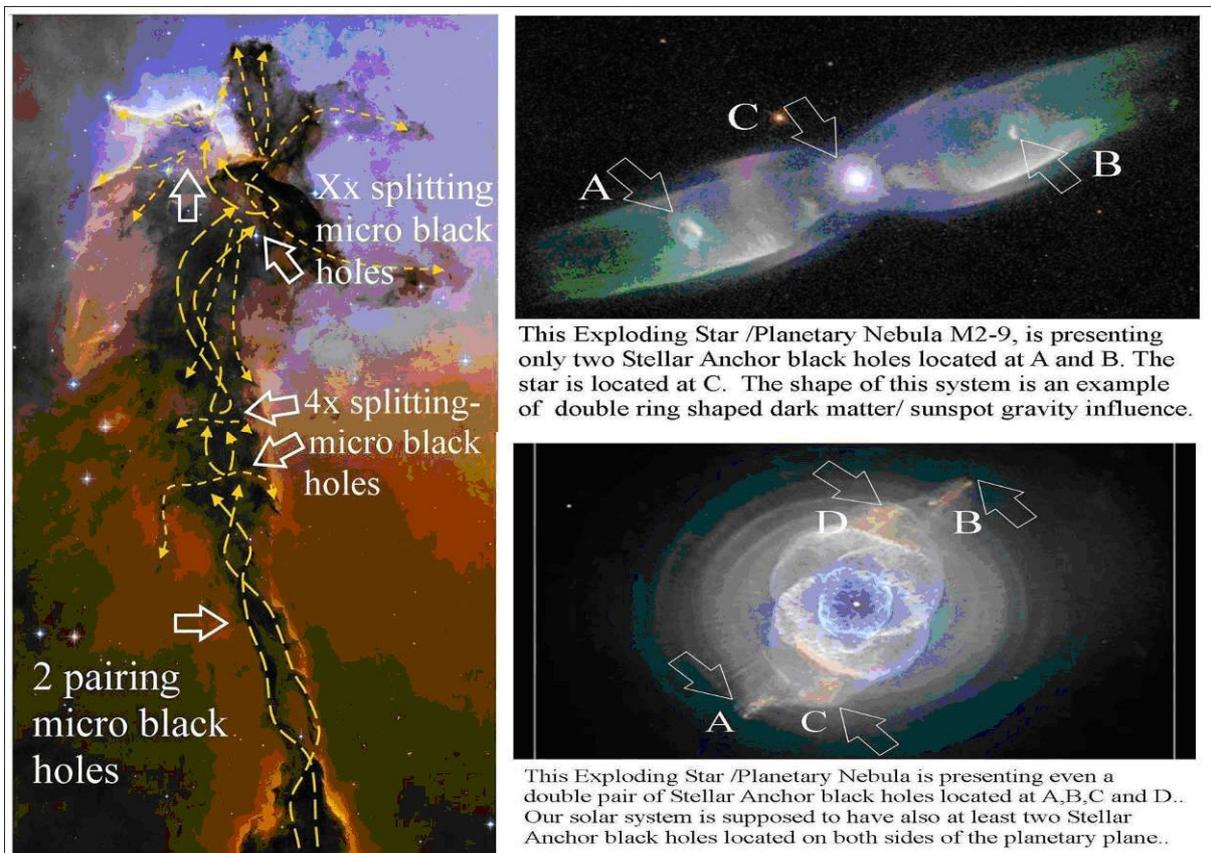


Figure 1, The Spire Eagle nebula, with two Planetary nebula, examples of the gas production and concentration effect of Black holes in the electric universe.

### The origine of Double MWC922 interference rings

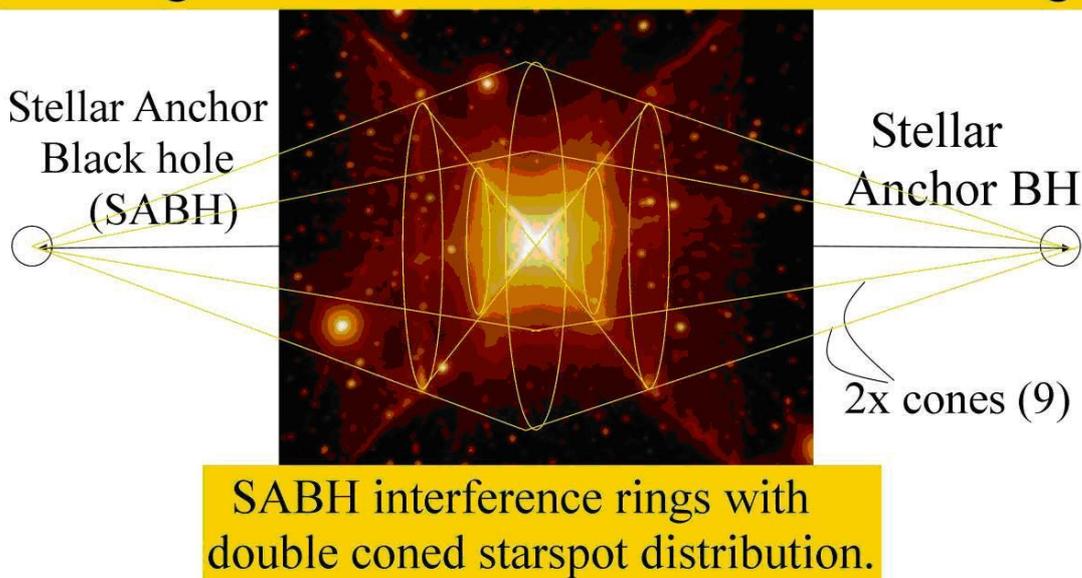


Figure 2, The Red Square Planetary nebula MWC922, equipped with double cone structure of expelled material including trailing starspots (Micro Black Holes). There are FOUR cones (figure 3) of

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.

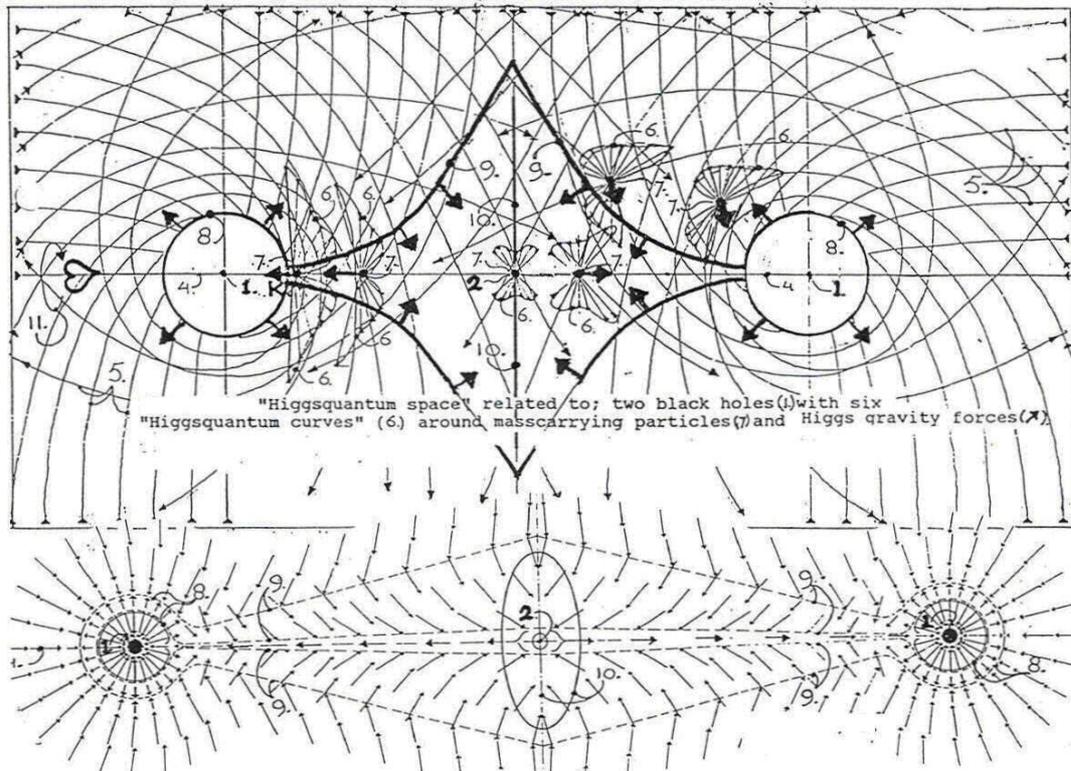


Figure 1, Higgs Vacuum structure around a set of two Black holes, as is found to be present around some Planetary nebula, early Galaxies and Herbig Haro objects. The negative charged particle jets is the result of the Black hole based electric potential combined with the vacuum polarisation (acceleration)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

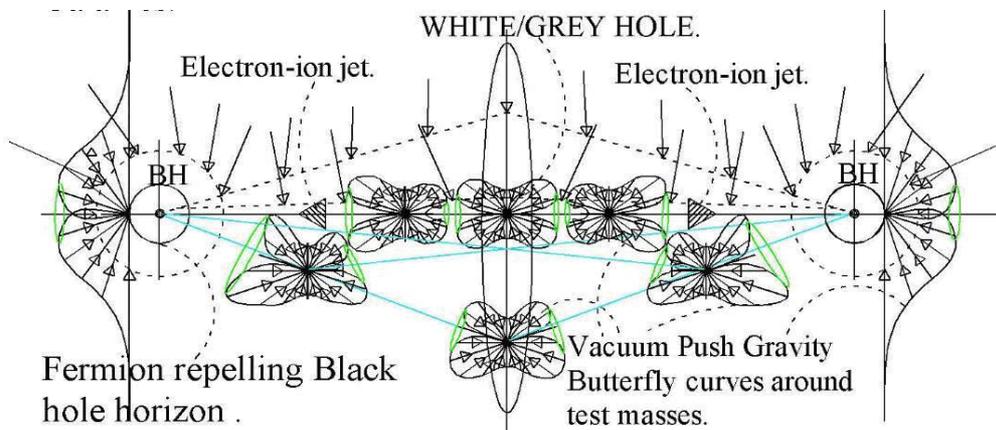


Figure 4, The same Birkeland current system as figure 3 with butterfly vector arrays at different locations around the Black holes. In the middle the vacuum has less density (larger Planck lengths) by the absorption of the dual Black holes.

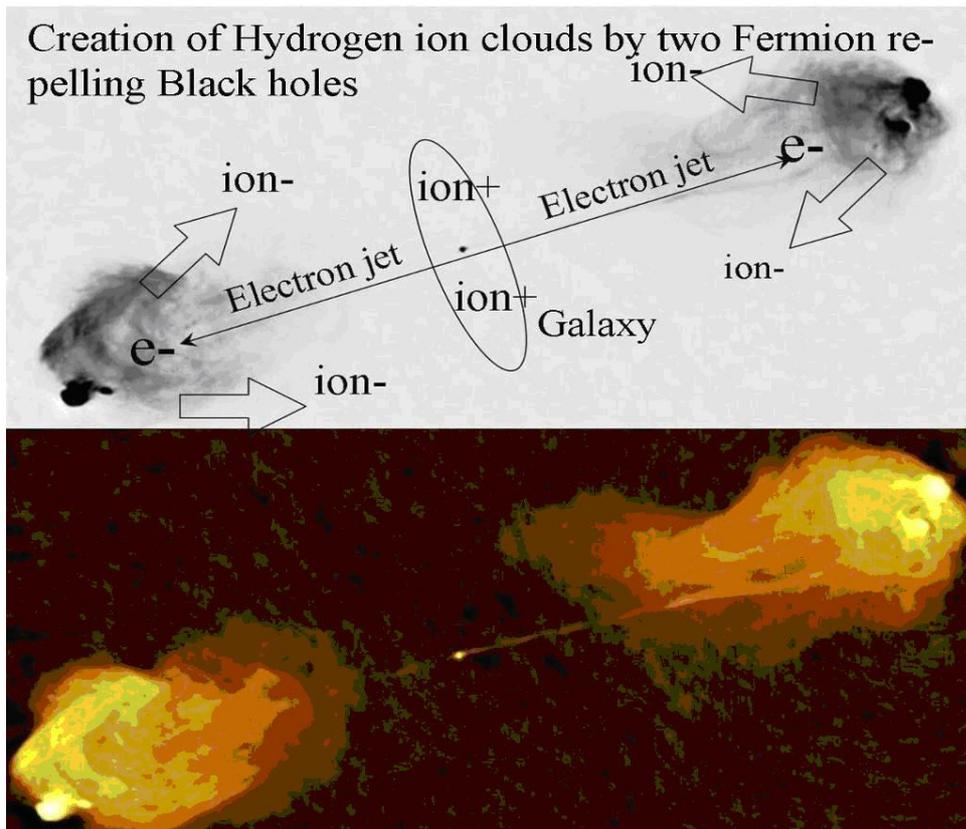


Figure 5 Cygnus A equipped with dual hotspots with gas production and electron jet including Birkeland currents and gas transportation by Alfvén circuits.

## 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.

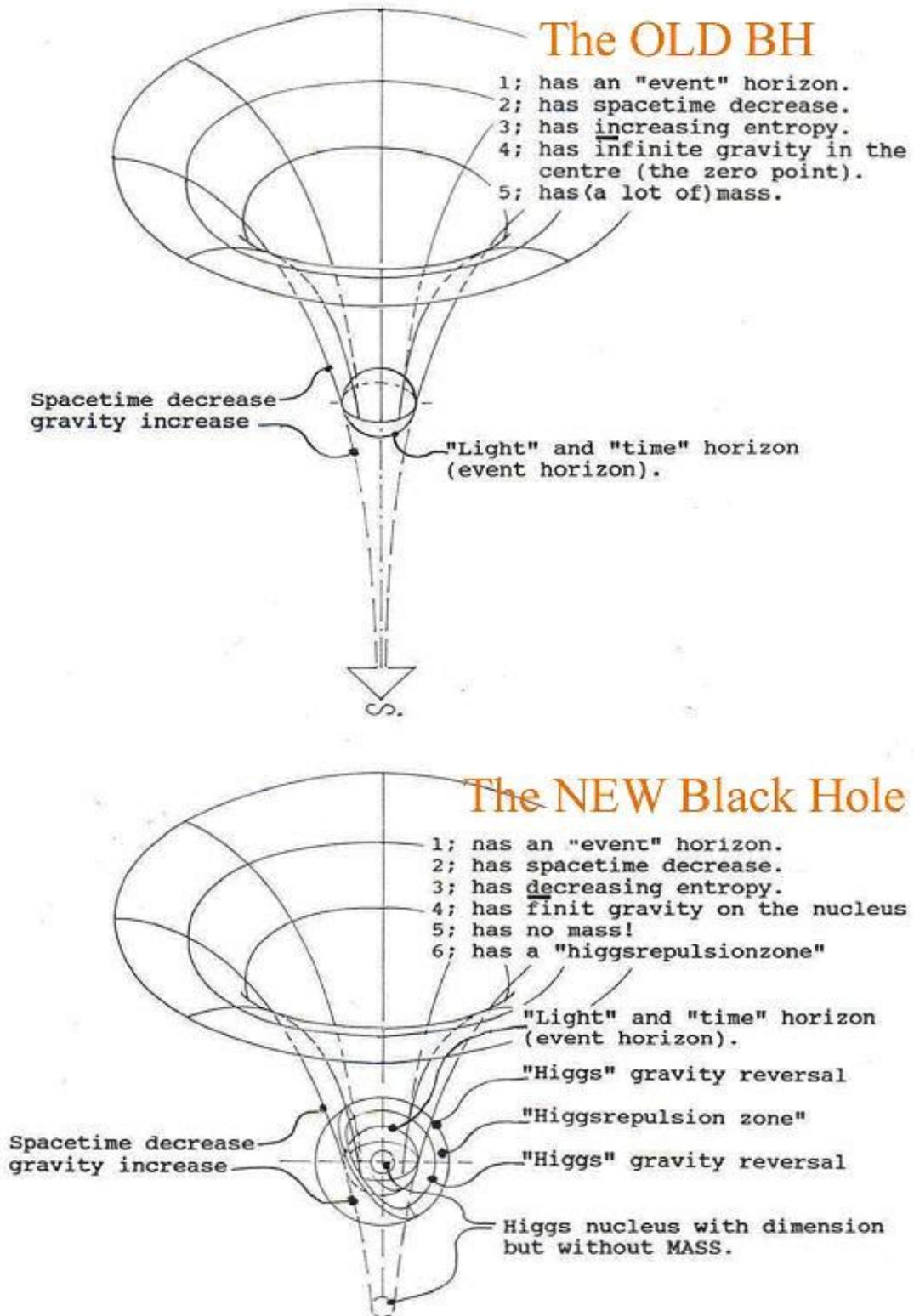
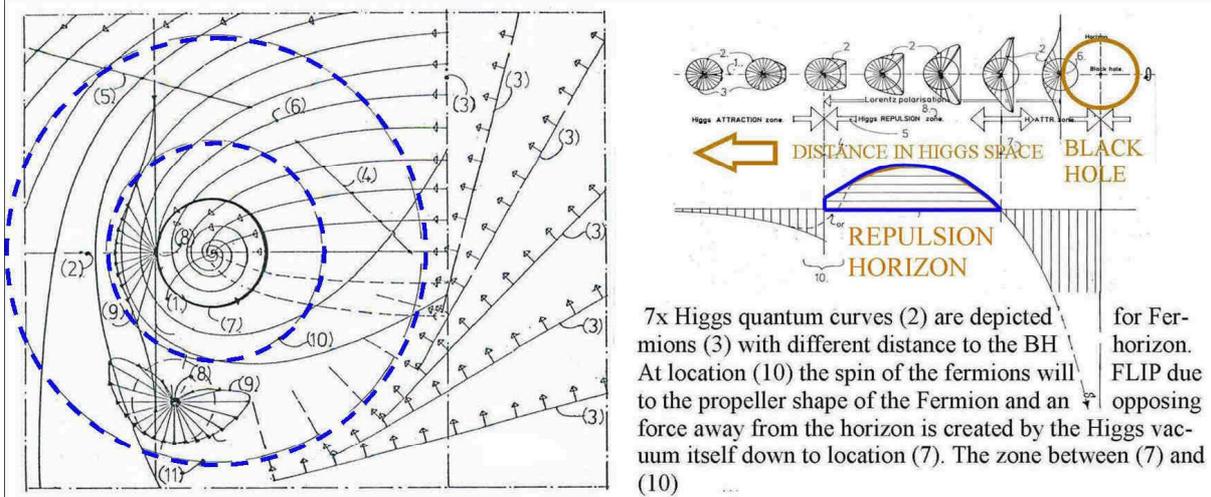


Figure 7, The difference between the old and new paradigm Black hole according to Quantum FFF Theory .

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..

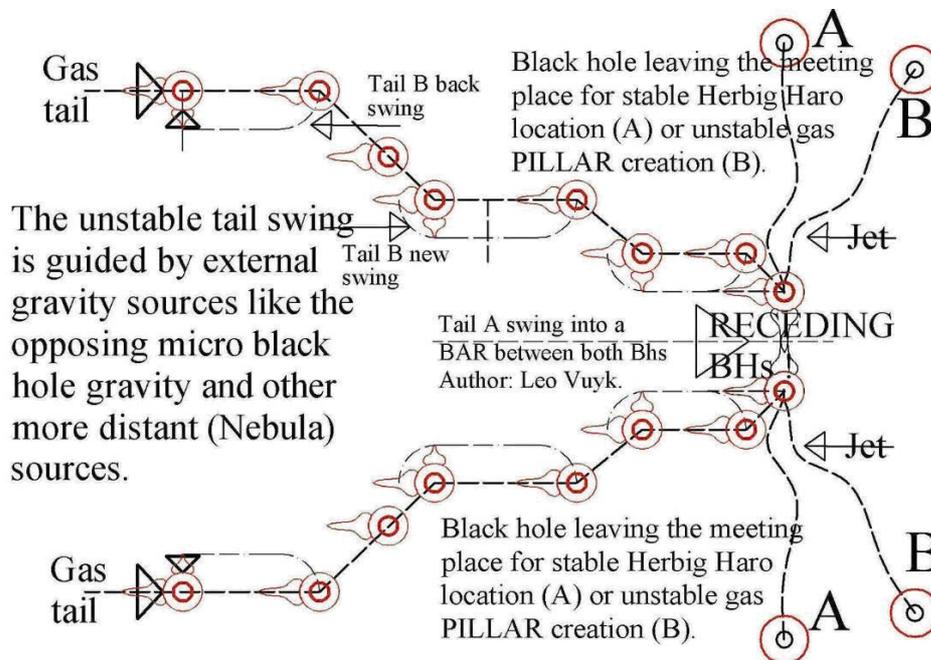
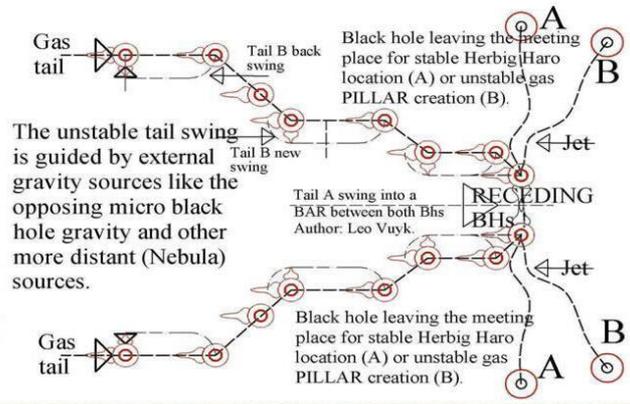
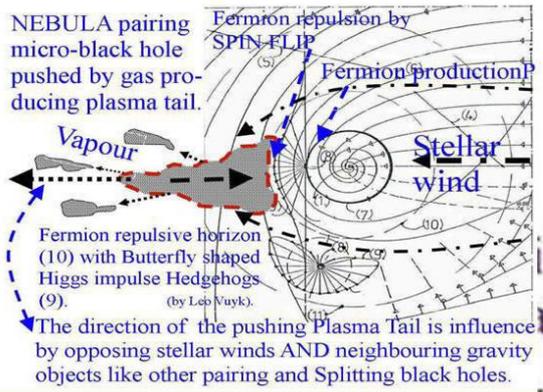


Figure 9, New Black hole propulsion principle by a self produced plasma-dust tail, also responsible for dust Pillar creation and the pairing and spitting effect as observed in nebula like the Eagle and Carina nebula.



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)

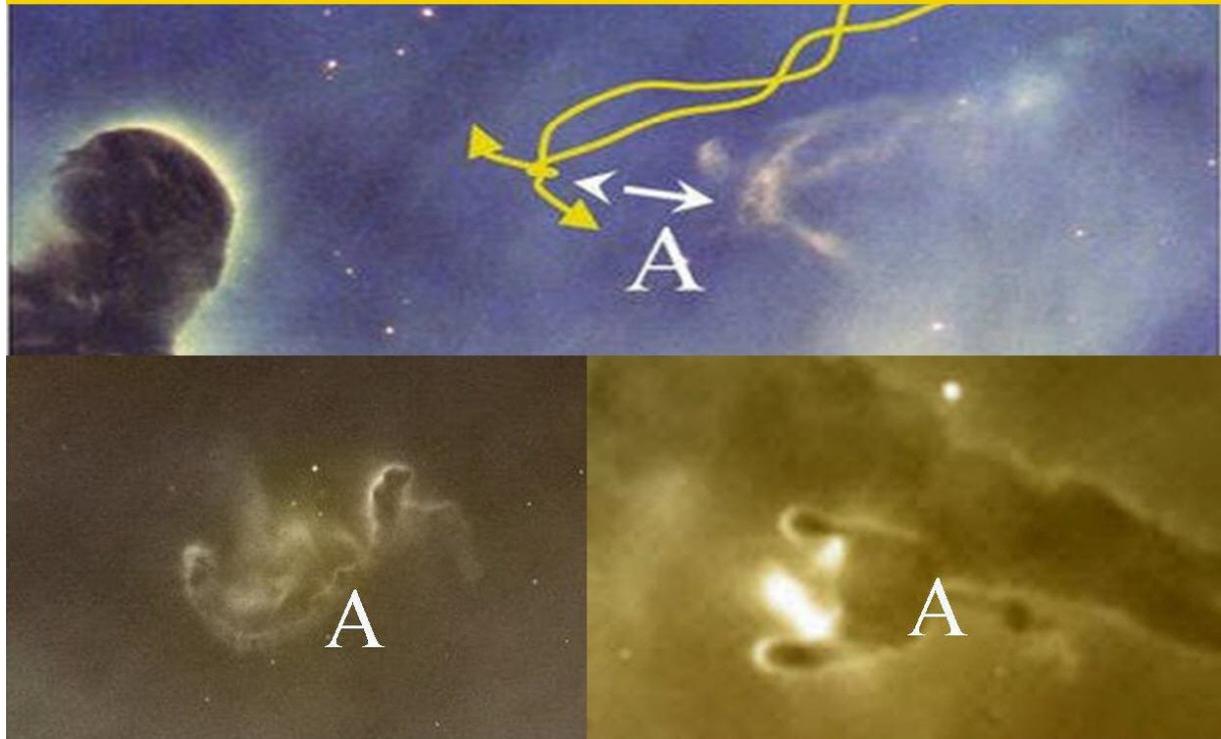
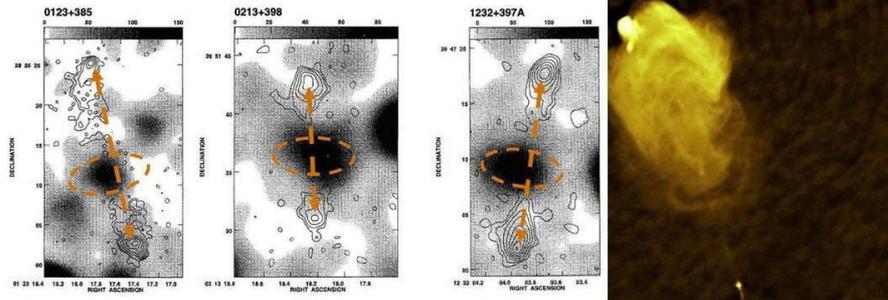


Figure 10, Three examples of pairing and splitting small Black Holes inside the Carina nebula.



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.

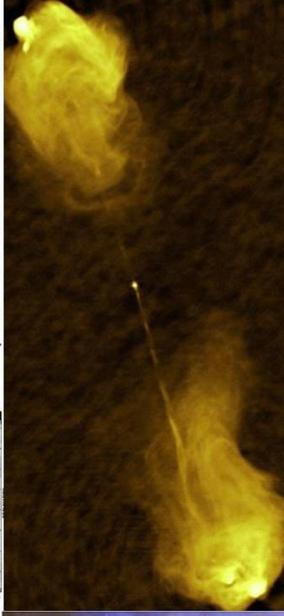
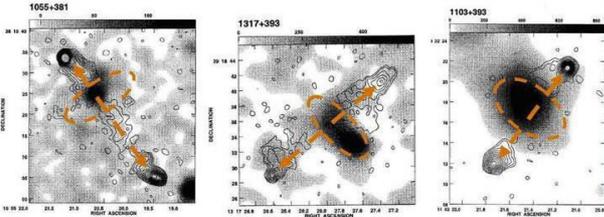


Figure 11, Cygnus A (right) is one of the best examples of Birkeland current driven gas concentration between dark matter Galaxy Anchor Black Holes (GaBHs) (fig 5) . Even in the early universe these dumbbell structure have been found like the “Faint B3 Radio Galaxies” (Owen and Keel)

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.

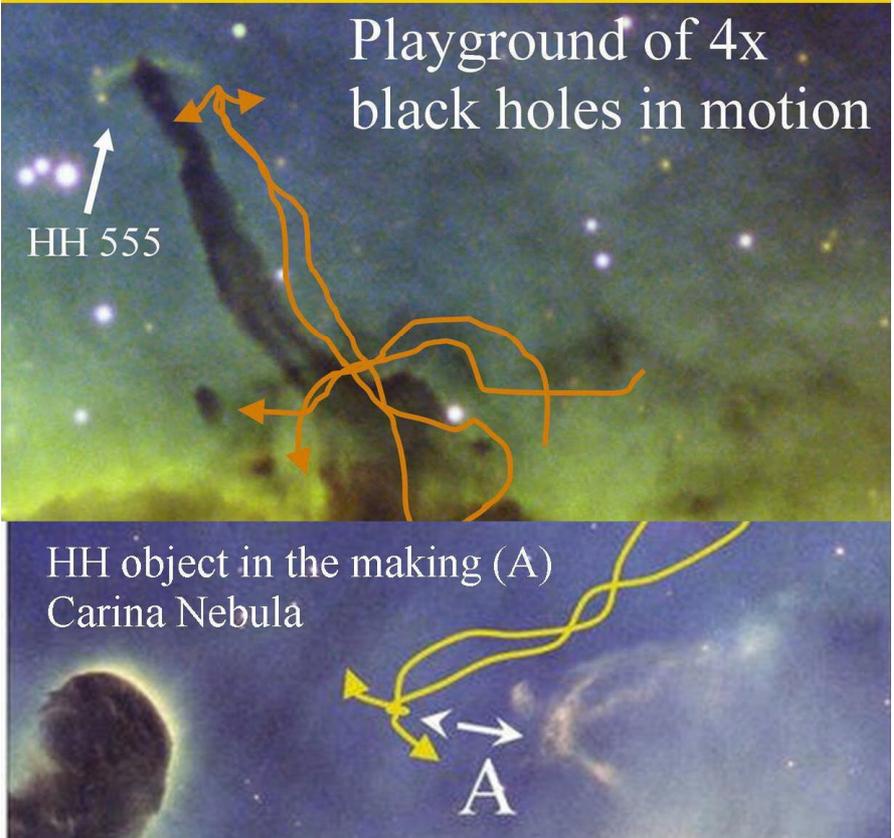
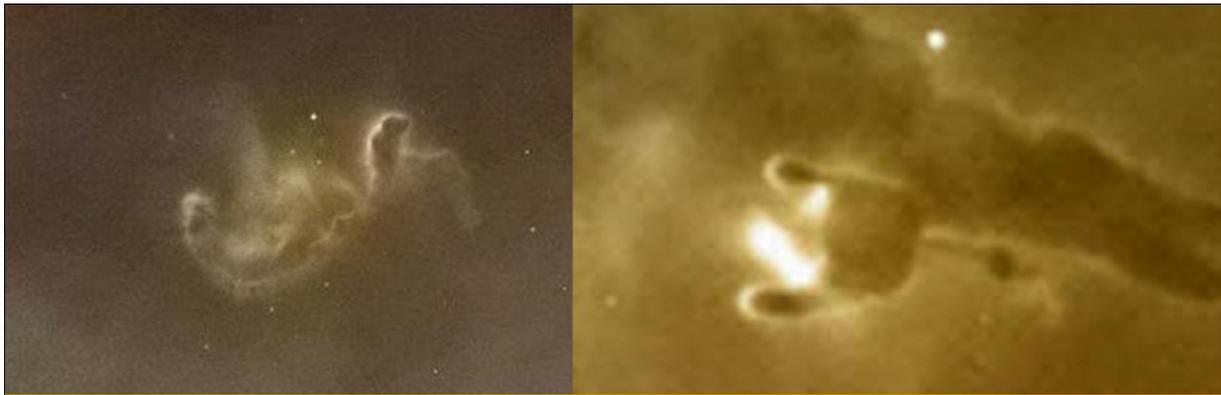


Figure 12, Pairing and splitting new oaradigm black holes the origin of gas pillars HH objects and Bok globules.



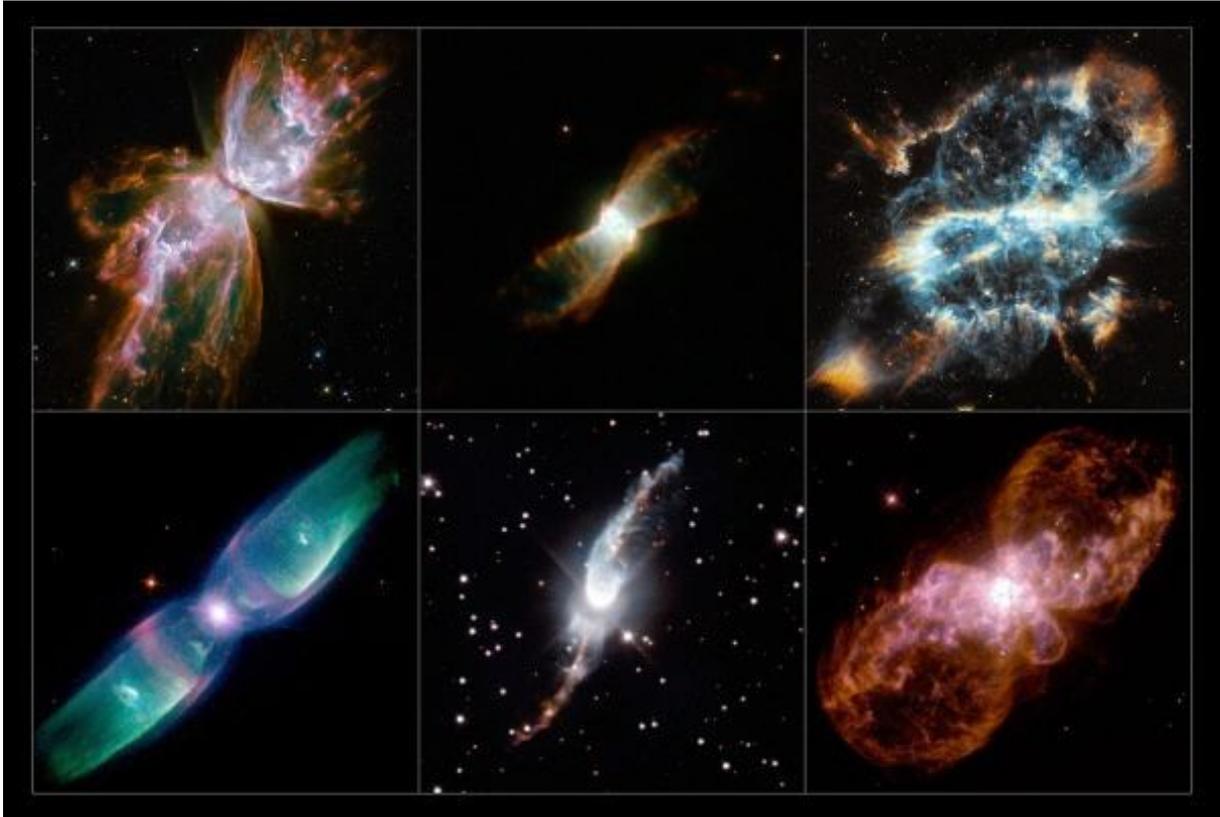
Pairing and splitting new paradigm Black holes (above) as vacuum dust gatherer and the origine of Gas pillars, HH objects and BOK globules according to Quantum-FFF Theory.



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.

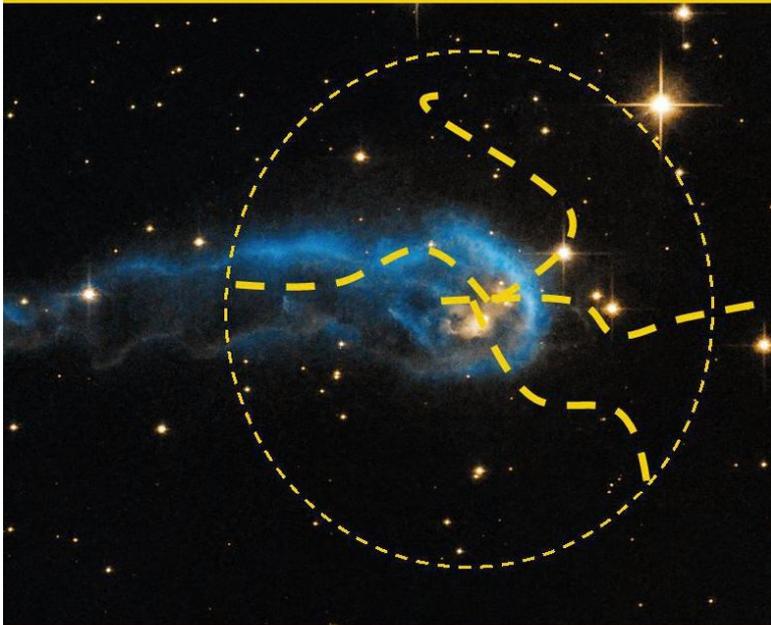
## **Conclusion:**

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 and 15)

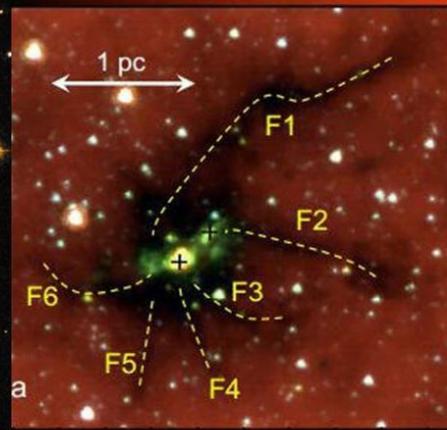
This phenomenon seems to be a firm indication for the observed Pn alignment with the galaxy plane.

The future of the Tadpole or Caterpillar Nebula according to the new paradigm Black Hole pairing and splitting /receding process of Quantum FFF Theory.

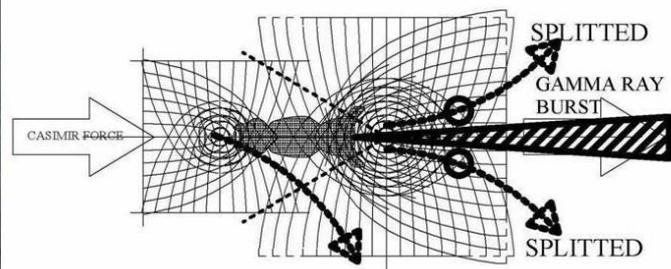
The tadpole nucleus is assumed to form a “Mutiple Herbig Haro system”, (gas cloud filaments, as observed in SDC 335, 1,-6) as a start for fast massive star formation and an open star cluster.



SDC 335 with gas filaments as multiple Herbig Haro objects



The Nucleus of the Tadpole nebula seems to be a combination of different- and medium sized black holes. According to Q-FFF theory this is a base for “Black Hole Splitting” by a collision process with a so called Gamma Ray Burst as result.



The multiple nucleus of the Tadpole nebula and the Q-FFF principle of the black hole splitting process with GRB burst as a result

Figure: 15, The future of the Caterpillar or Tadpole nebula (IRAS 20324-4057) according to Quantum FFF theory and compared with the complex filamentary gas cloud SDC 335. with Gamma ray Burst as one of the features.

**GAMMA RAY BURSTS (GRBs) explained by new paradigm black hole splitting.**

Two approaching equal sized black holes are supposed not to split but originate a Herbig Haro object, often found inside star forming nebula. However we found multiple examples, e.g. inside the EAGLE NEBULA of traces of “splitting black holes”.

We suggest that such a splitting process should be triggered by the collision of two unequal sized black holes. The smaller black hole is supposed to be able to split the larger black hole by its concentrated imprisoned electron jet and local vacuum deformation.

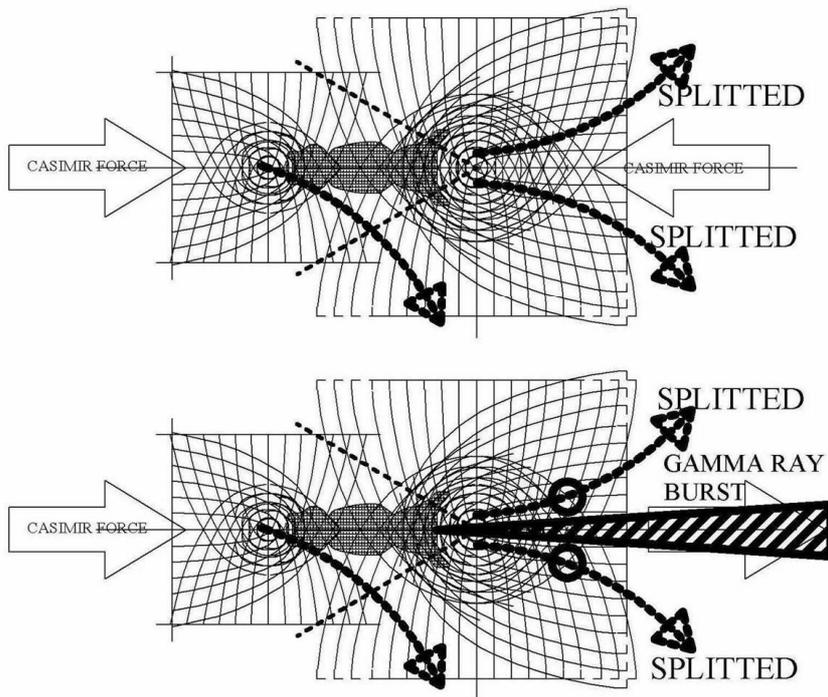
The result however is that the splitting process unleashes a BURST of electrons in-between the parts of the splitted black hole which can be described as a CATAPULT ejection.

As a consequence however, this Gamma ray Burst ejection should be “one sided” in stead of the two-sided ejection suggested by mainstream astronomy.

At the same time this seems a rational base for the fact that Gamma Ray bursts are so rare and able to travel well focussed over long (cosmological) distances.

The origin of Gamma Ray Bursts, by splitting black holes of different size, leaving three BHs behind. Two of them could form a Herbig Haro Object with a dumbbell structure. (Quantum FFF theory@Leo Vuyk).

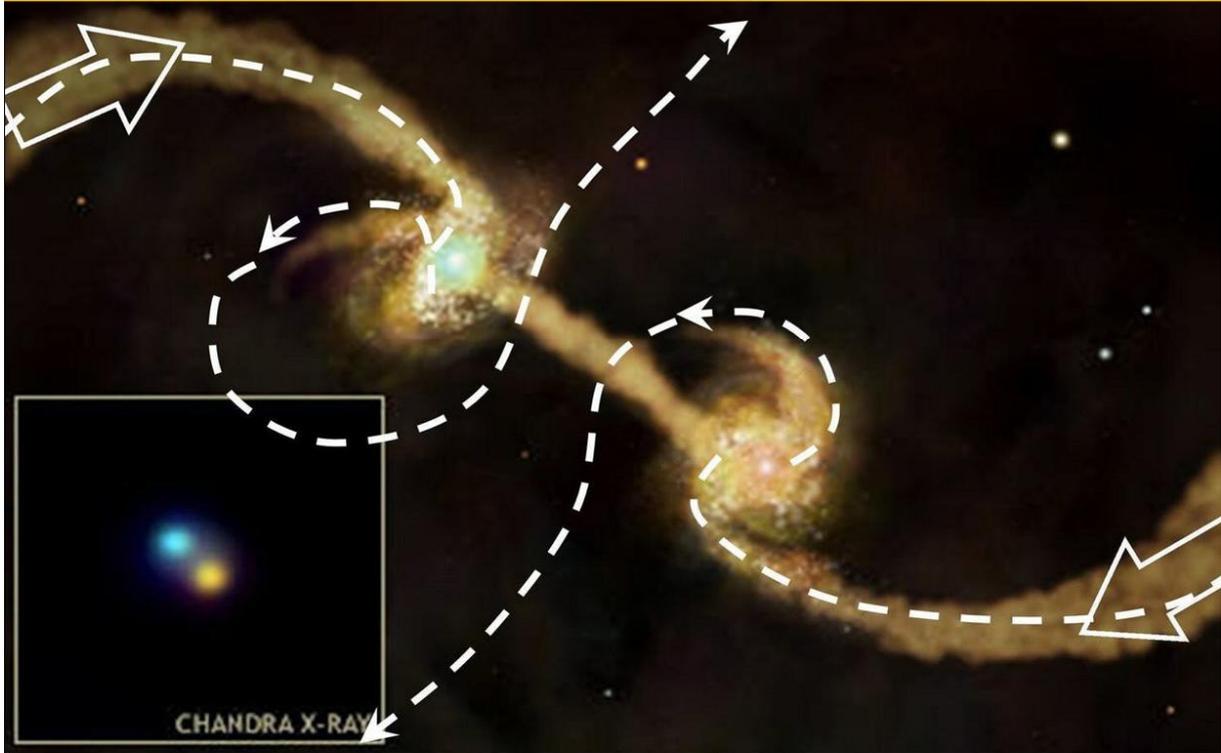
TWO REPULSIVE ION TAILS around electron jets (bar shaped) between two DIFFERENT sized black holes. THE SMALLER BLACK HOLE WILL SPLIT THE LARGER ONE BY ITS CONCENTRATED ELECTRON JET AND VACUUM INFLUENCE. Author: leo Vuyk.



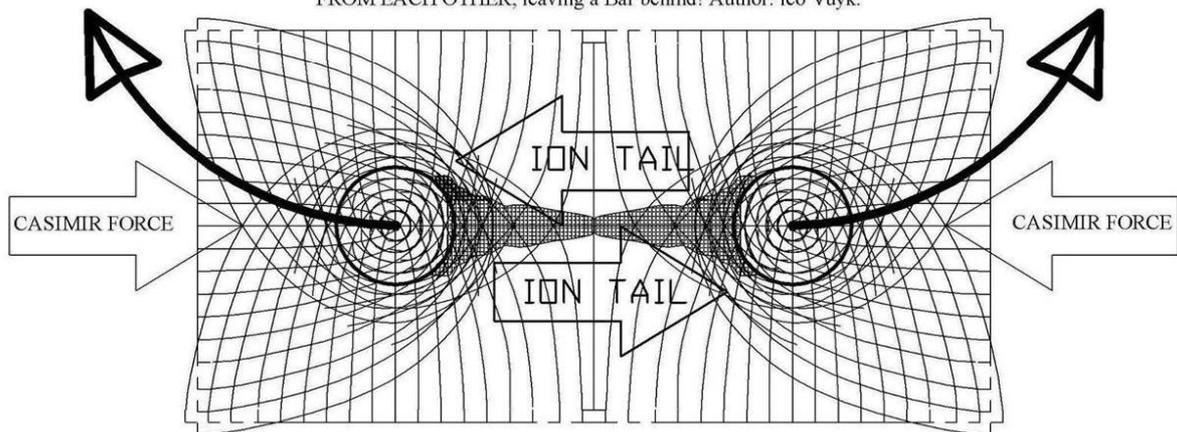
Only the smallest BH is able to split the larger black hole, leading to a proliferation of smaller equally sized BHs and Herbig haro Objects.

Figure: 16. The origine of Gamma Ray bursts.

Typical form example of pairing black holes of the same size, leaving ion tails and a bar behind before separating to a stable dumbbell position @Leo Vuyk



TWO REPULSIVE ION TAILS (A BAR) BETWEEN TWO EQUALLY SIZED BLACK HOLES, PUSHING TWO BHs AWAY FROM EACH OTHER, leaving a Bar behind! Author: leo Vuyk.



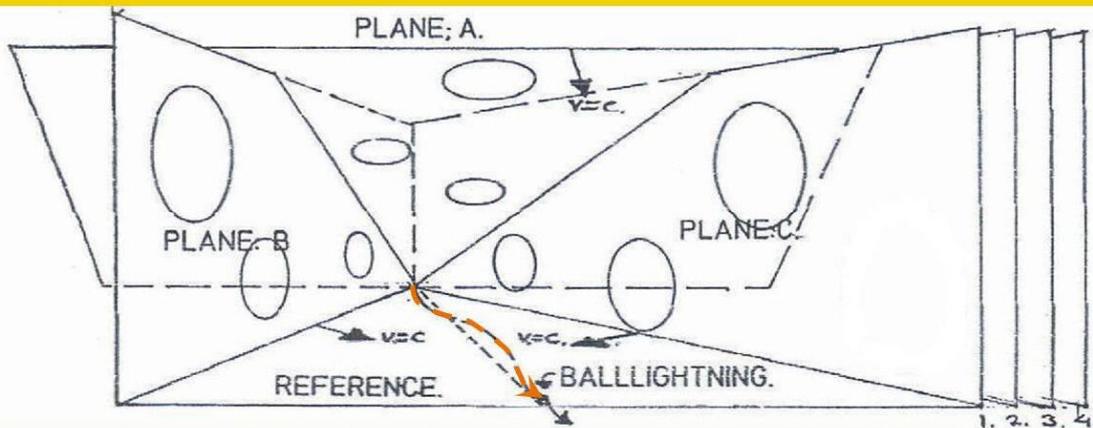
The casimir pressure structure of the Higgs dark energy vacuum around Pairing black holes

Figure: 17, Galaxy and central bar formation.

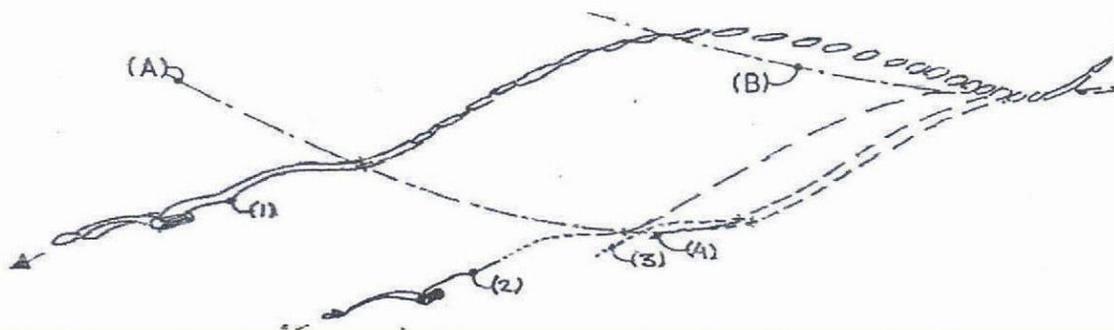
# Birth of EM interference based Ball Lightning or micro Black Hole. ( Quantum FFF Theory)



Birth of EM interference based Ball Lightning or micro Black Hole. (Photo: W.H. van Overhagen 11 aug 1991 during thunderstorm from roof window, the Netherlands)



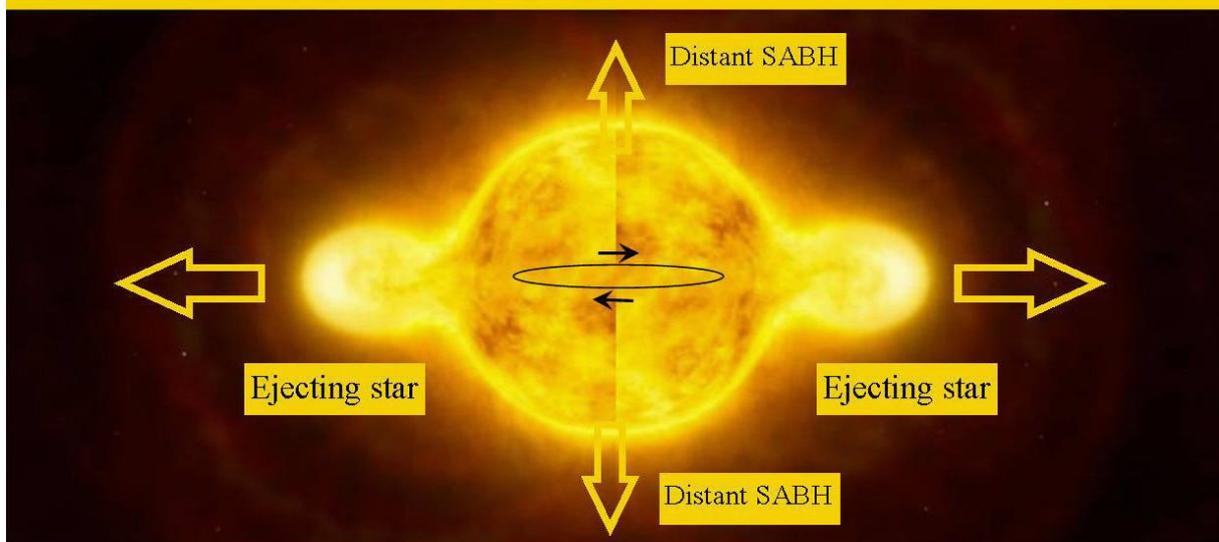
Theoretical model of the origin of 4x separated trails of light, by three interfering but repeating (1-4) wavefronts.



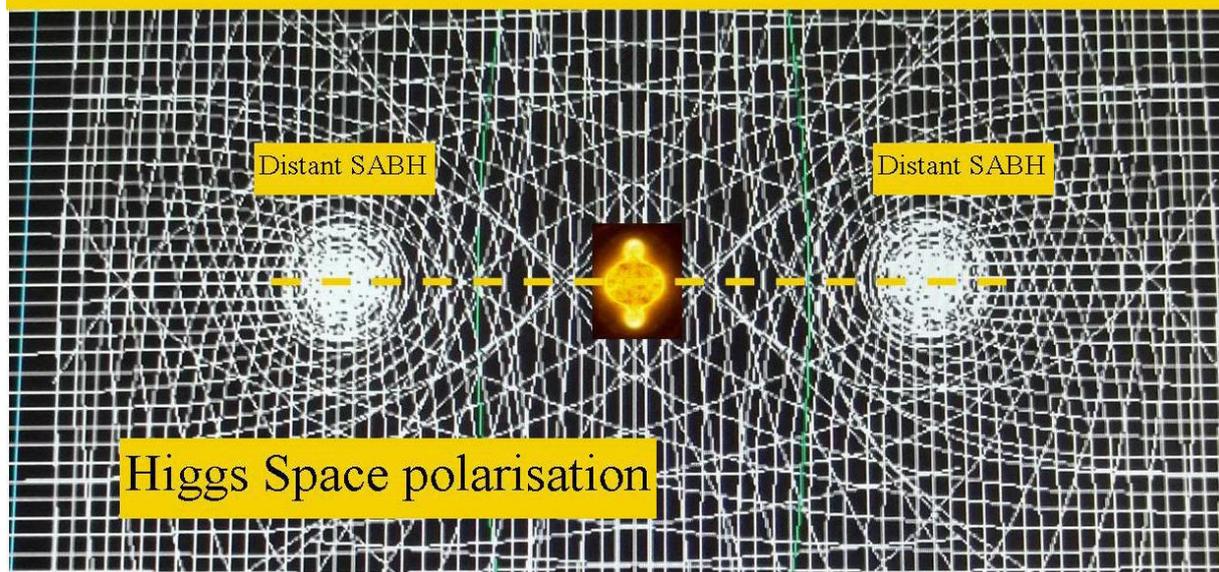
Dashed lines ( A and B) connect four corresponding bending points. Two traces (1 and 2) produce plasma balls (Ball Lightning) which seem travel on its own.

**Figure: 18, An other example of the formation of multiple (micro) black hole nuclei or Quantum Knots for interference ball lightning.**

## Dual Star production out of the central mother star in open star clusters, according to Quantum FFF Theory.

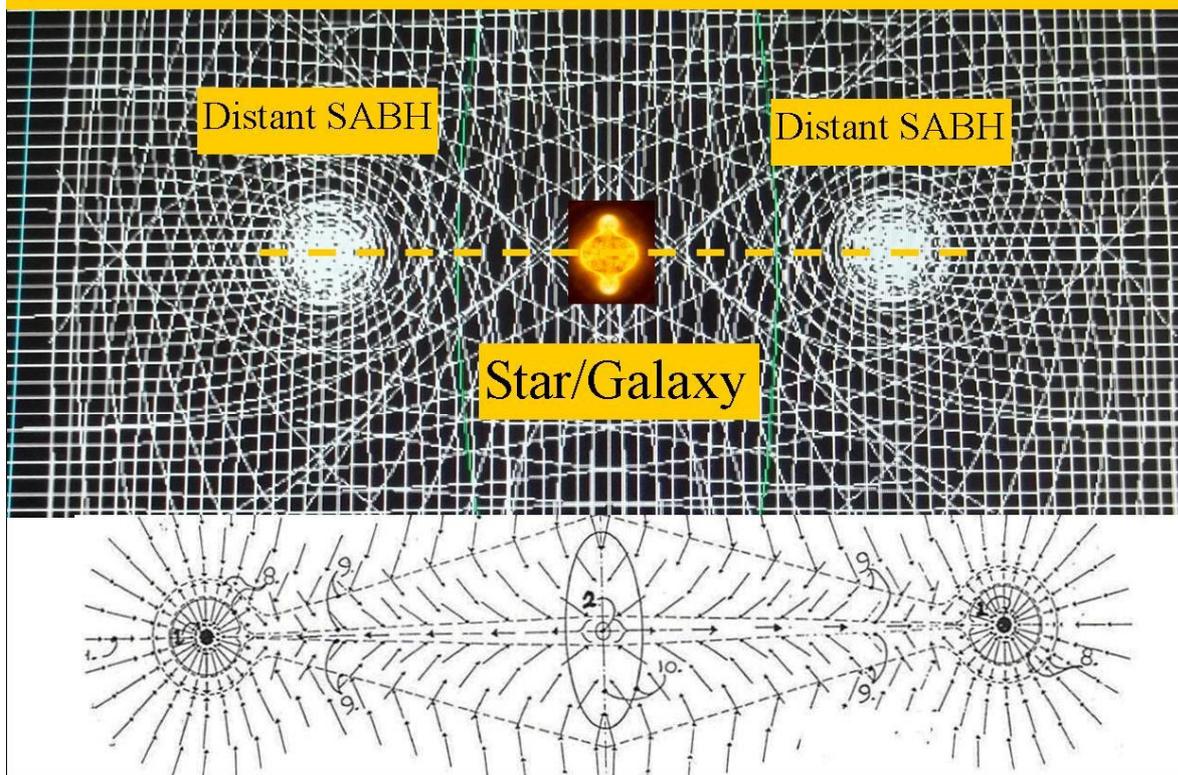


Open star clusters are supposed to originate only in between a dual system of Super Nova Black Holes, (SNBHs) observable as the dual hotspots of Herbig haro systems. The size of both SNBHs is responsible for the polarisation of the oscillating Casimir-Higgs field and the maximum size of the growing central star. If the maximum size is reached rotational instability is supposed to start the ejection of two baby stars, leaving the place by the dual attraction of the SABHs. If the H<sub>2</sub> Plasma accretion to the central star stops, only planetary failed stars (Jupiter) and metal rich planets (earth), will be created by the same instability.



**Figure: 18, According to Quantum FFF Theory, open star clusters are supposed to originate only in between a dual system of Super Nova Black Holes, (SNBHs) observable as the dual hotspots of Herbig haro systems. The size of both SNBHs is responsible for the polarisation of the oscillating Casimir-Higgs field and the maximum size of the growing central star. If the maximum size is reached rotational instability is supposed to start the ejection of two baby stars, leaving the place by the dual attraction of the SABHs. If the H<sub>2</sub> Plasma accretion to the central star stops, only planetary failed stars (Jupiter) and metal rich planets (earth), will be created by the same instability.**

## Dual Electro Magnetic Jet creation by Vacuum Polarization between Dual New Paradigm Black Holes.



According to Quantum FFF Theory, Black holes create Proton-Electron plasma at the Fermion repelling horizon. As a consequence dual black hole systems like Herbig Haro objects are equipped with dual EM jets, supported by cone shaped Casimir pressurized Higgs field vacuum polarization. Birkeland and Alfvén current circuits are supposed to be the result. Higgs-Casimir pressure vectors are depicted above and below.

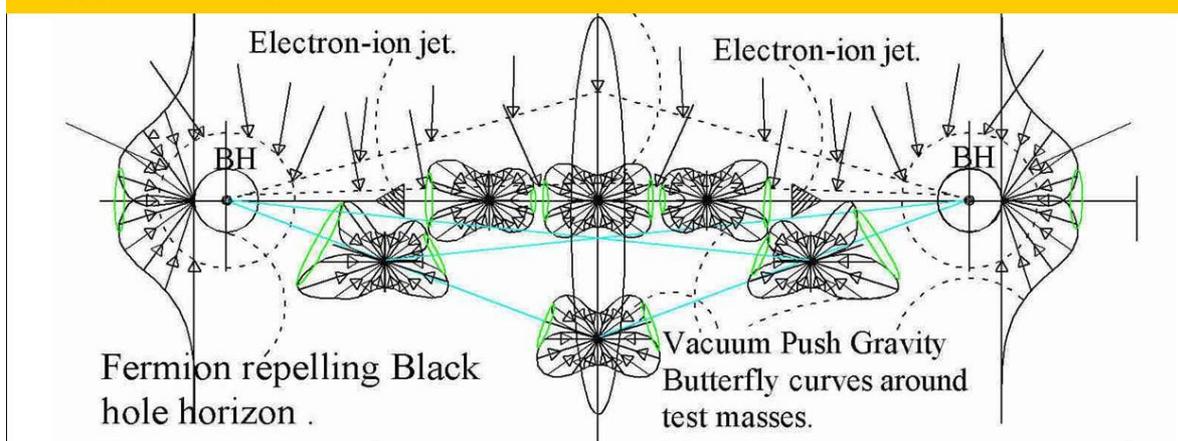
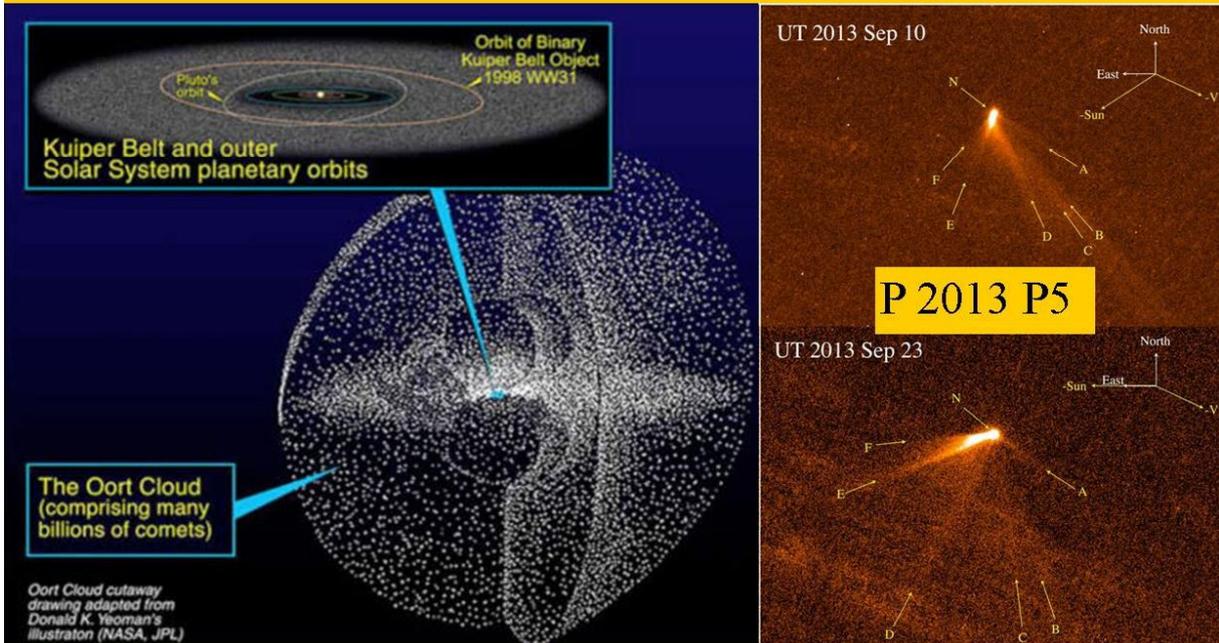


Figure: 19, According to Quantum FFF Theory, Black holes create Proton-Electron plasma at the Fermion repelling horizon. As a consequence dual black hole systems like Herbig Haro objects are equipped with dual EM jets, supported by cone shaped Casimir pressurized Higgs field vacuum polarization. Birkeland and Alfvén current circuits are supposed to be the result. Higgs-Casimir pressure vectors are depicted above and below.

Micro black hole based Comets produce H<sub>2</sub> and Water molecules building the icy Comet nucleus, spouting icy dust tails. Semi-Stationary Cometary objects ( P2013 P5) should be located all over the solar system, in the Oort cloud, the Kuiper belt and inner astroid belt, according to Quantum FFF Theory.



Oort cloud (above), Inner Jupiter astroid belt, and Kuiper belt (below)

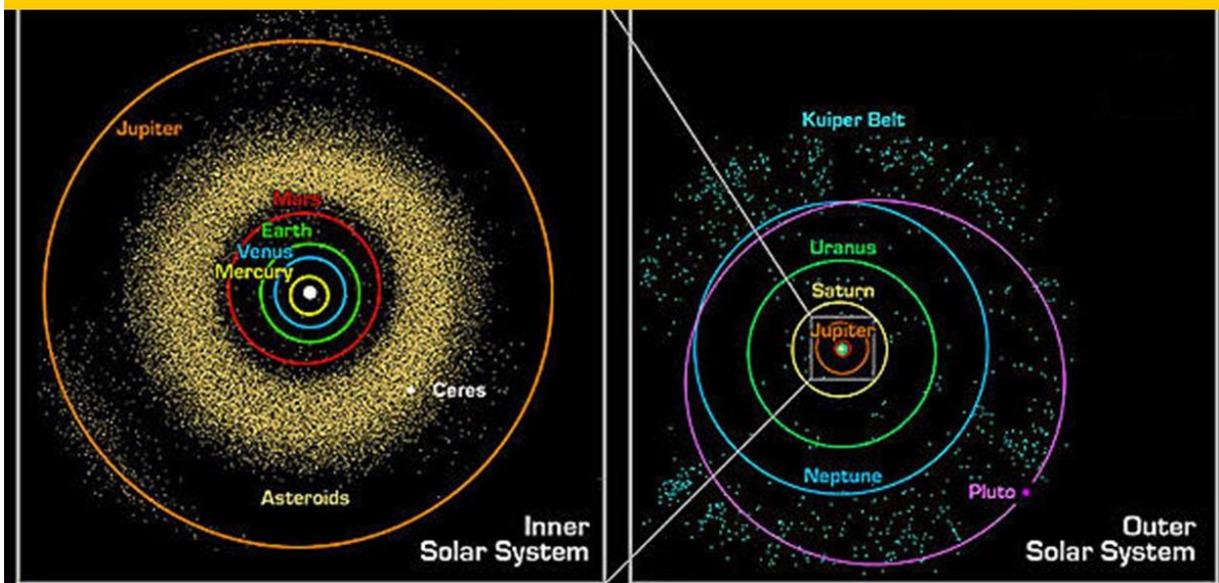
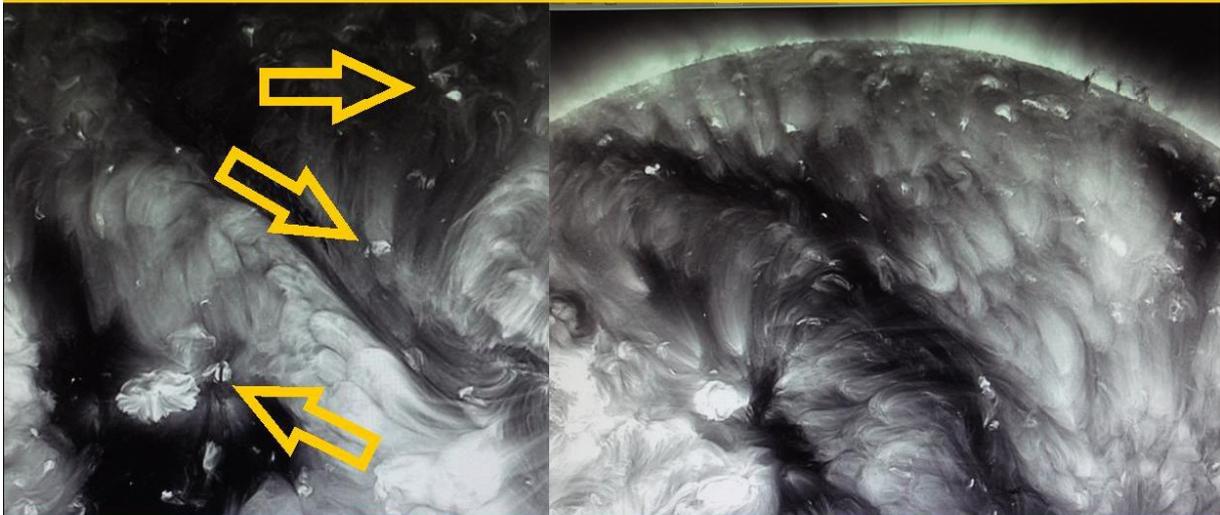


Figure: 20, Oort cloud and Kuiper belt interference Comet based black holes.

According to Quantum FFF Theory, Sunspots are supposed to be dual systems of former Comets (or better micro black holes) responsible for the so called “Coronal Cells” or “Bright spots” found at the solar surface and for solar convection. These Bright spots are supposed to represent newly formed Magnetic interference micro black holes, just like interference fireballs observed in Sprites on earth. <http://arxiv.org/pdf/1403.0692.pdf>



If dual systems of micro sunspots have a vertical orientation to the surface, it is assumed to accelerate convection and interference processes. Astroids observed in the Oort cloud, the Kuiper belt and inner astroid belt, are supposed to be the result of the expelled solar Micro black holes.

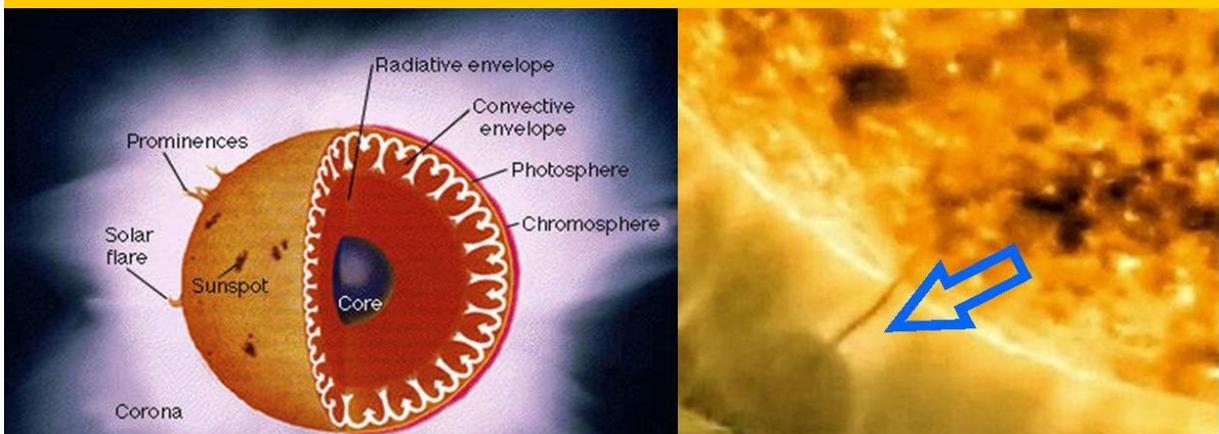
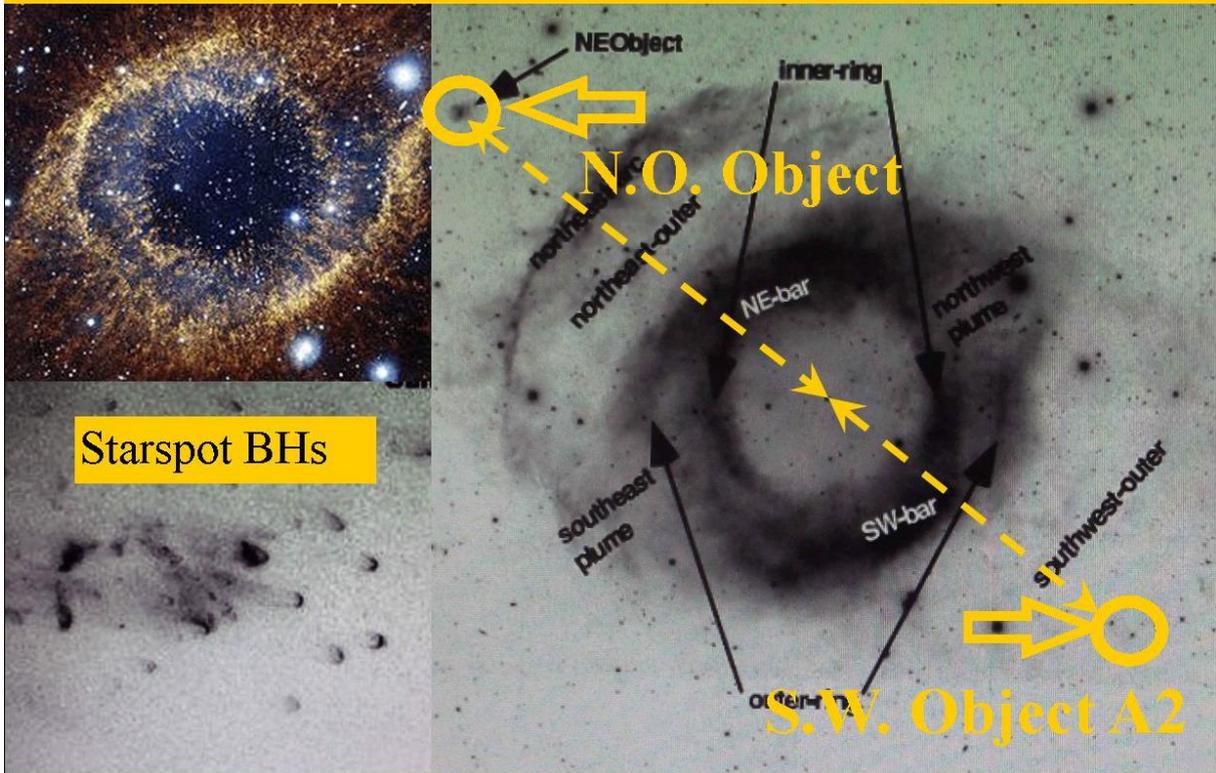


Figure: 21 Solar interference black hole / baby comet /sun grazer production.

Two kinds of New paradigm black holes observed in the Helix Nebula: Starspot Black holes called “Cometary Knots” with H<sub>2</sub> gas tails and DUAL Stellar Anchor Black Holes ( SABHs), (NO– and SW Objects) According to Quantum FFF Theory.



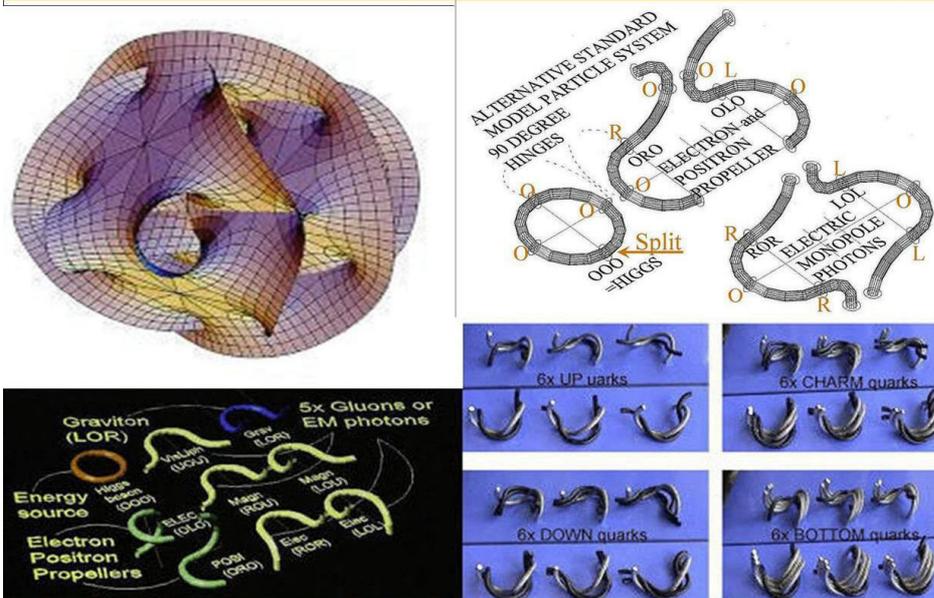
Images taken from the Hubble telescope and C. R. O’Dell et al. “Unraveling the Helix Nebula: Its Structure and Knots”. 2004, Arxiv, <http://arxiv.org/pdf/astro-ph/0407556v1.pdf>

**Other PN Examples with dual Bowshocks or SABHs**



Figure: 22, Examples of Sunspot/ Star spot BH ejected in the Helix nebula and old SABHs outside the Helix Nebula.

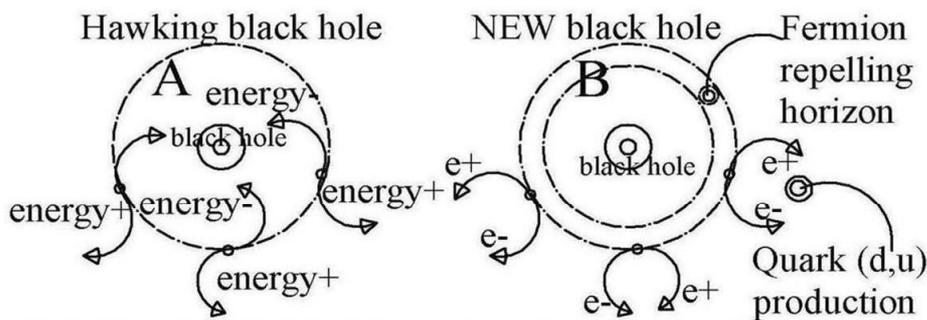
# The New Electric Dark Matter Black Hole Paradigm according to Quantum-FFF Theory.



Calabi Yau manifolds due to dual axis spin rotation of Fermion propellers driven by the linear oscillating Higgs vacuum.

Figure: 23, Future experiments should show which Pitch (left or right) an electron or positron will have.

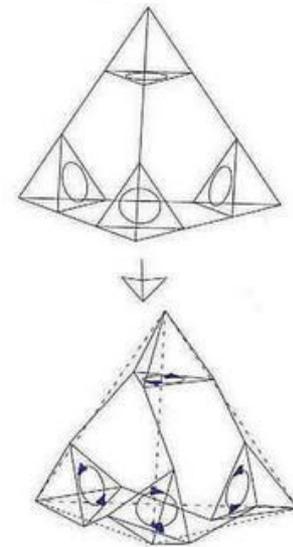
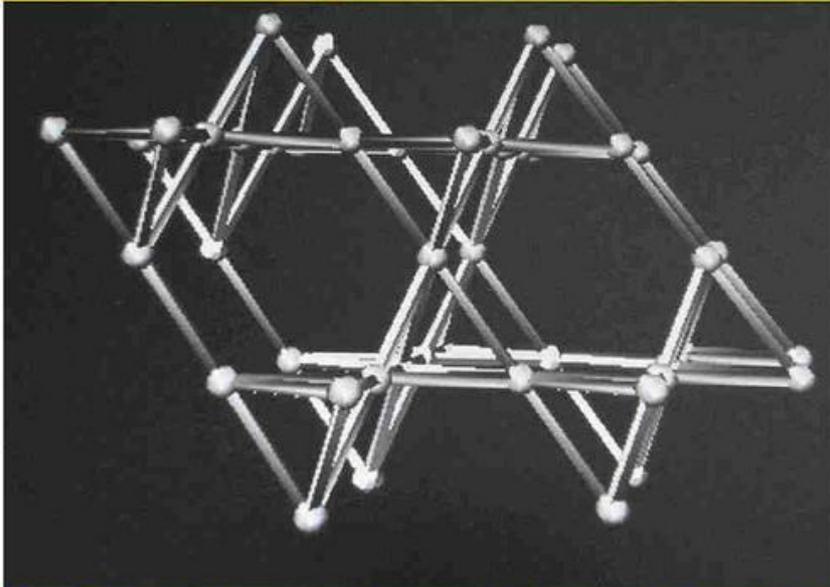
# The New Black Hole Paradigm according to Quantum-FFF Theory.



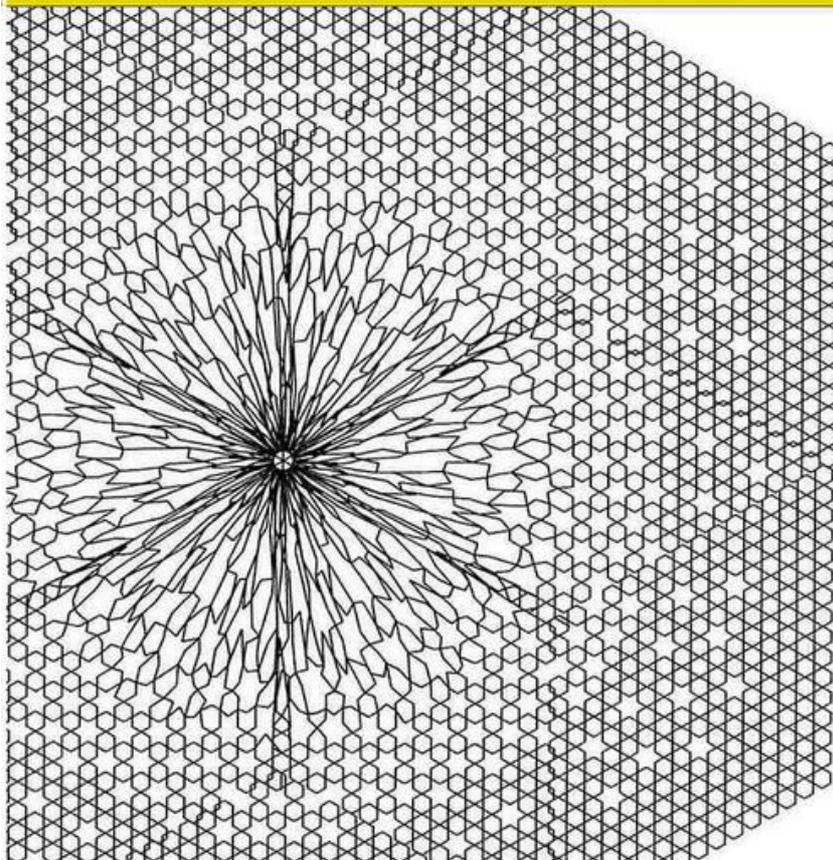
The new black hole is equipped with a Fermion repelling horizon. Fermion Pair production happens around this horizon and produce Quarks (d,u). The Plasma is pushed away from the BH horizon by a so called Fermion propeller spin flip effect. Due to strong Casimir gravity without a countering graviton effect, Free electrons tend to stay at the outside of the plasma cloud creating the ELECTRIC Black Hole and Alfvén circuits with plasma transport around stars and galaxies.

Figure: 24, The production of Proton- electron plasma (potential Hydrogen) outside the fermion repelling horizon, as the main source of star formation. The abortion of this matter creation process inside open star clusters is assumed to be induced by future balancing process between Birkeland and Alfvén current circuits.

# 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: 25, Large black holes “eat” the chiral Higgs vacuum. Future experiments should show which chirality our material universe will have.**

Quantum Knot based Micro Black Holes (Ball Lightning), produced by Photon interference in air and in Silicon globules according to Quantum FFF Theory.

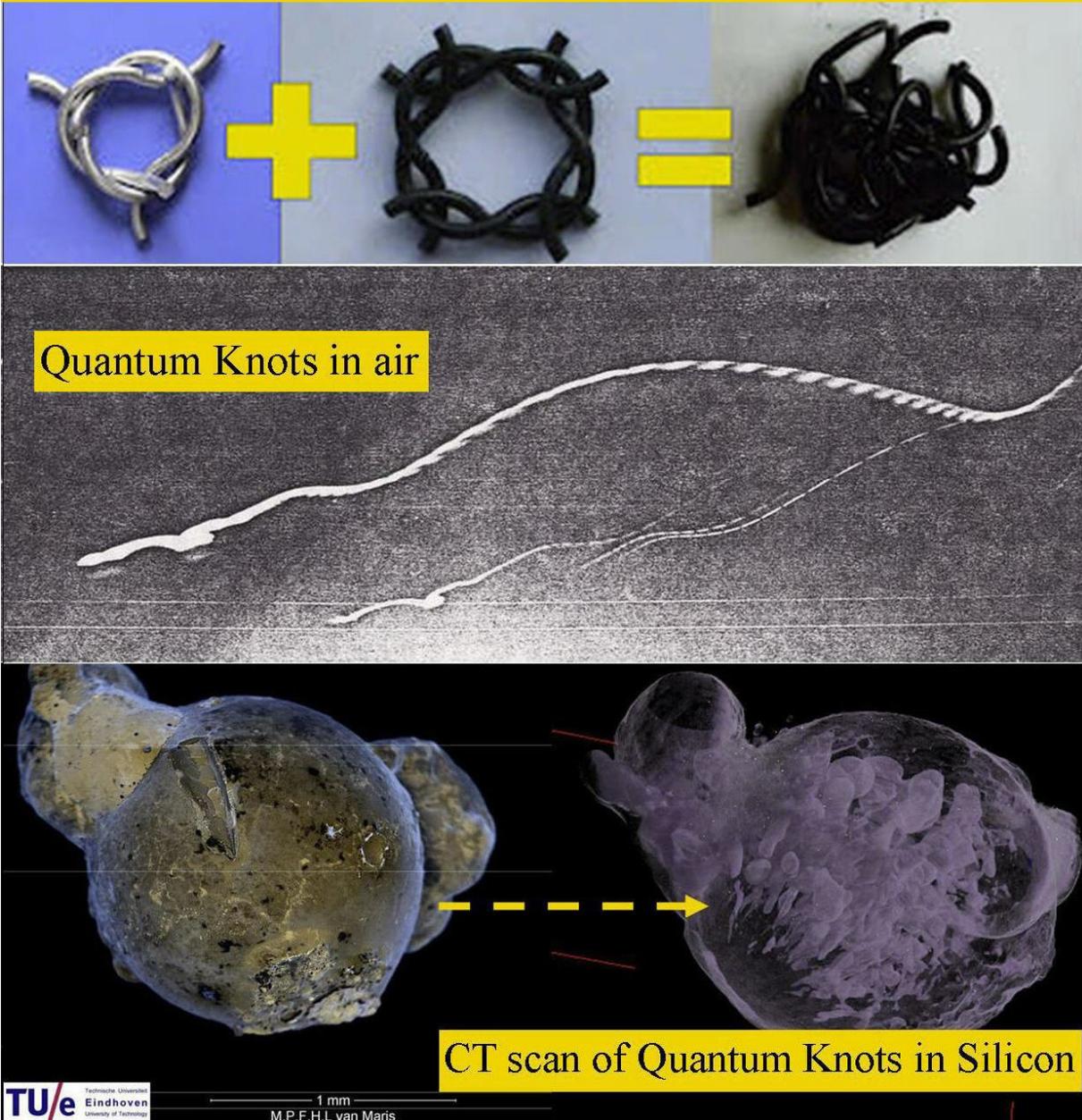
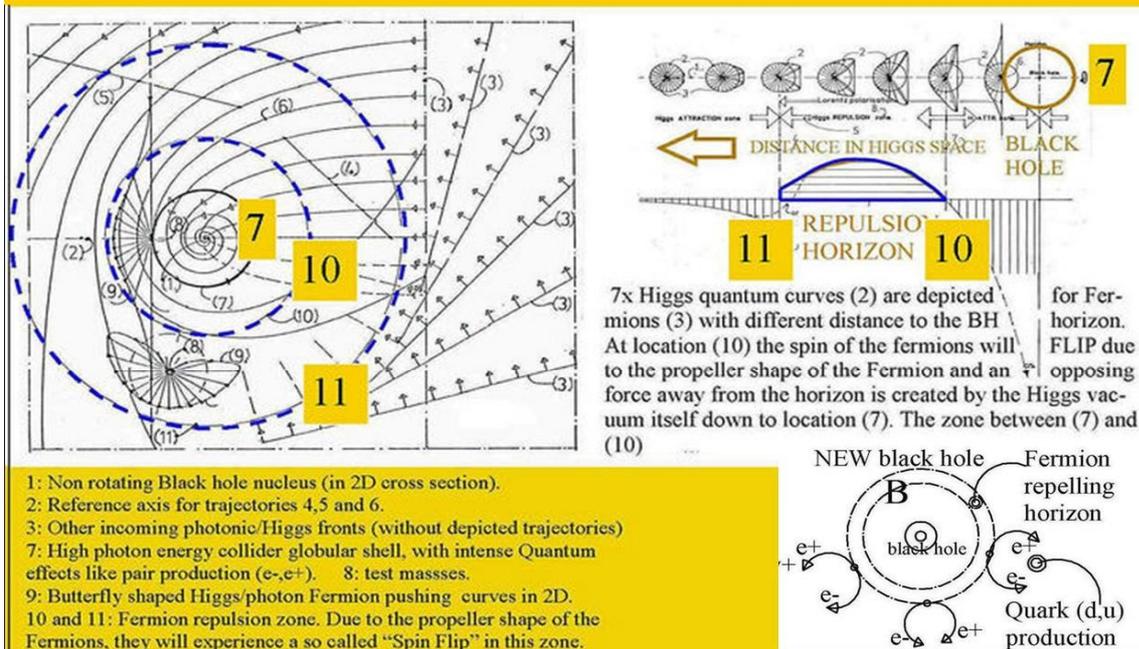


Figure: 26, Interference BH nuclei, formed by the interlocking of 3-4 photons as a base for complex Quantum Knots, found inside Silicon globules in the lab ( CT scan) and by chance on photos made during lightning.

# The origin of Electric Magnetic potential of single and double New Paradigm Dark Matter Black Holes.



According to Quantum FFF Theory, "New Black Holes produce Proton– Electron plasma. By the strong Casimir vacuum push gravity on the BH, the "Lighter" electrons will stay outside the "heavier" proton horizon (blue). As a consequence BHs have a strong electric potential, which is liberated by asymmetric processes in dual BH systems like Herbig Haro objects showing strong electro magnetic effects in open cluster star formation and Birkeland Alfven circuits around the earth and even in the so called BICEP 2 results.

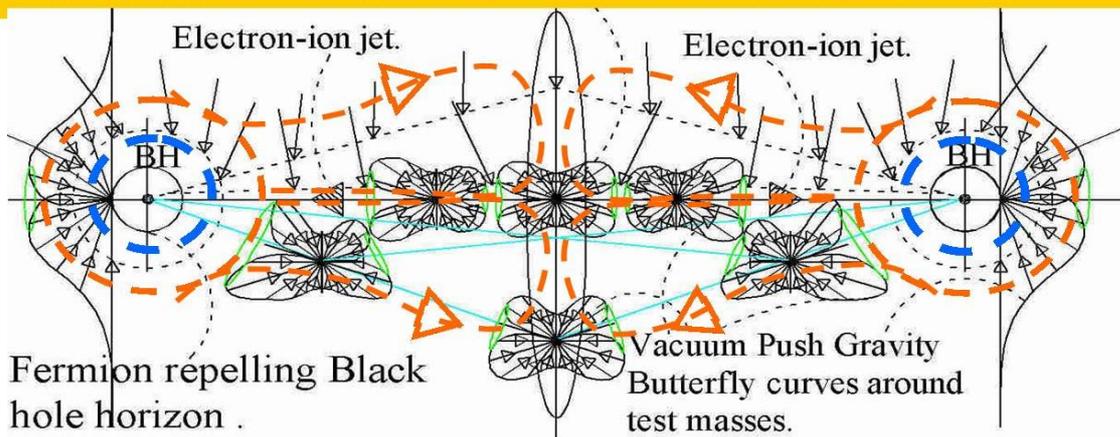


Figure: 27, The origin of electric- magnetic potential and star/galaxy formation by dual Dark Matter black holes.

According to Quantum FFF Theory, "New Paradigm Dark Matter Black Holes produce Proton– Electron plasma from the curved Higgs vacuum outside horizon nr 10 . The "Lighter" electrons will stay outside the "heavier" proton horizon (blue) by the strong Casimir -Higgs vacuum push gravity on the BH. As a consequence BHs have a strong

**electric potential, which is liberated by asymmetric processes in dual BH systems like Herbig Haro objects showing strong electro magnetic effects in open cluster star formation and Birkeland Alfven circuits around the earth and even in BICEP2 B mode results.. Even Ball Lightning micro BHs seem to produce plasma.**

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

A: [NEW DARK MATTER BLACK HOLE](#), Each Black Hole is equipped with a nucleus of a non oscillating Higgs particle Quantum Knot. Around the nucleus we assume three horizons.

**The Higgs collider horizon:** One Higgs –Casimir pressure photon horizon ( Fig. 8, nr 7) . This horizon can be compared with a Higgs particle collider and as a result, it is the production zone of positron electron pairs. Due to the chirality of the Higgs vacuum inside our material universe, it will be the positron first to interlock with one or two gluons/photons to form more U Quarks than the electron is able to form D- Quarks interlocking with opposite chiral gluon/photons. As a consequence only protons will ( DUU) will emerge. With an even number of electrons.

**2x Fermion repulsion horizons:** In between these horizons (Figure 8; nr.7 and nr.10) Fermions undergo a repelling force directed out of the BH centre, due to the propeller shape of Fermions, they tend to polarize and repel against the prevailing Higgs vacuum flow onto the BH nucleus.

**4x different families of black holes.** There are 4x different kinds of dark Matter Black holes equipped with a Higgs Quantum Knot nucleus. ----1, the **Big Bang Black hole** containing all the future multiversal particles even the dark energy Higgs field vacuum particles.----2, **The Big bang splitting black holes** TWO by TWO forming Dark matter based dual Galaxy Anchor Black Holes ( GABHs) ----3, **Super Nova Black Holes** forming dual Stellar Anchor Black Holes observed as the bow shocks or hot spots of Herbig Haro systems and the start of an open cluster called Stellar Anchor Black Holes ( SABHs).-----4, **Interference black holes**, (fig. 26) which have a Quantum Knot nucleus of interlocked different shaped photon particles, they come in different sizes, from Ball Lightning nuclei, Sprite fireball based micro Comets, Solar surface interference black hole ( fire balls) Comets leaving the sun for the Kuijper belt or Oort cloud and Sunspots being the remnants of Large Comet crashes..

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)

## **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 H<sub>2</sub> 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](#).

### **Quantum FFF Theory by New Pradigm Physics:**

- 1: Dark Matter is the same as Black Holes which consume gravitons.
- 2: Dark Energy is the same as the Higgs Field with Casimir effect.
- 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 and evaporation into Higgs particles and a chiral Higgs /Casimir field.
  
- 5: So 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 and drwarfs.
- 9: Dual Black Hole systems produce Plasma out of the Higgs field because two Higgs particles are convertable into symmetric electron and positron propellers (fluctuations).
- 10: The chirality of the (spitalling) vacuum lattice is the origin our material universe. (propeller shaped positrons merge first with gluons to form (u) Quarks.
- 11: The first Supernovas produce medium sized Black Holes as the base for secondary Herbig Haro systems.

### **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).

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

<http://vixra.org/abs/1209.0092> New Dark Matter Black Holes and a New Dark Energy Higgs Field, Lead to a Bouncing CP Symmetrical Multiverse, and New Experiments.

<http://vixra.org/abs/1209.0061> Birkeland Currents, Sunspots, Comets and Ball Lightning Originated by New Paradigm Dark Matter Black Holes.

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

<http://vixra.org/abs/1208.0031> Clumpy Dark Matter Around Dwarf Galaxies a Support for an Alternative Black Hole Theory According to the Quantum Function Follows Form Model.

<http://vixra.org/abs/1202.0091> Earth Magnetic Monopole Array Field Interaction with Cyclotron –Synchrotron Electrons and Muon Conversion Used for Levitation Systems.

<http://vixra.org/abs/1201.0092> Earth Magnetic Monopole Array Field Interaction with Cyclotron Electrons used for Levitation Systems.

<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.

<http://vixra.org/abs/1104.0044> Ball Lightning, Micro Comets, Sprite-Fireballs and X-Ray/gamma Flashes According to Quantum FFF Theory.

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

<http://vixra.org/abs/1103.0097> ZPE Zero Point Energy Examples Around Black Holes.

<http://vixra.org/abs/1103.0068> Funktion Follows Form, at the Quantum Scale and Beyond.

<http://vixra.org/abs/1103.0024> Quantum Gravity and Electro Magnetic Forces in FFF Theory.

<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.

<http://viXra:1103.0002> 3 Dimensional String Based Alternative Particles Model.

<http://vixra.org/abs/1102.0056> Experiments to Determine the Mass Related Lightspeed Extinction Volume

<http://vixra.org/abs/1102.0054> Atomic Nuclear Geometry Based on Magic Number Logic.

<http://vixra.org/abs/1102.0052> Construction Principles for Chiral "atoms of Spacetime Geometry.

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)