

Birkeland - Alfven Current Circuits between two RF generated Plasma Balls in the laboratory and two new paradigm Black Holes in space.

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 splitting, accelerating and pairing massless dual Black Hole system in space, seems to be able to convert vacuum energy (ZPE) efficiently into real electric energy by entropy decrease between electrons and quarks, creating a nuclear electric potential by charge separation around the BH horizon.

At the same time, dark matter observations around (dwarf) galaxies show point like characteristics as a support for the additional assumption that all dark matter will come into the form of Black Holes of different particle Quantum Knot content.

The electric energy production of Stellar Anchor Black Holes (SABHs), seem to be able to explain quick Star- and Galaxy formation, by Birkeland Currents and so called Alfven 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.

It is postulated that some specific shaped singular photonic particles seem to be able to form complex Quantum Knots or micro black holes as the origin of electric potentials observed inside RF generated Plasma balls and heat production inside Silicon based ball lightning experiments in the lab.

Reason to describe a laboratory system, to show the possibility of Micro Birkeland Alfven current circuit generation between RF generated plasma balls as a future possibility to generate electric energy (Zero Point Electric Energy: ZPEE) on earth on large and small scales

Introduction.

The Electric Universe paradigm proposed by David Talbott and Wallace Thornhill, describes that universal electric phenomena should be the origin of poorly explained universal phenomena like fast Star- and Galaxy formation, dust pillars, dumbbell- and cone shaped planetary nebula, and Cosmic Plasma phenomena like stellar and galactic Birkeland currents and Alfvén circuits. (fig 15) [Ref.. 23,24]

In Quantum FFF theory however, these electric phenomena are assumed to be originated by the electric potential and vacuum polarisation influences of new Paradigm Black holes. New paradigm Black holes are supposed to come in various sizes spread through and around the Galaxy. In contrast with mainstream physics, the small (stellar mass) Black holes are in most cases located in the centre of large galaxies and the Giant Black holes are located outside the galaxy..

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)

New Black holes are assumed to create an electric potential between the positive charged nucleus (positrons and quark soup) and the negative charged globular electron shell around the Black hole nucleus. (Observed during ball lightning production Ref. 8.)

As a consequence the polarisation 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.

This was reason to search for examples of those Quantum Knot formation in the lab. (see fig 10) Example of Channel producing micro Quantum Knots (ball lightning) inside Silicon globules.

At the same time, Ball Lightning phenomena in nature, are mostly reported and described as Plasma balls, which is reason to propose that inside those Plasma balls the “Quantum Knots” are also responsible for the curious energy effects of ball lightning.

Plasma ball production in the lab is often observed inside microwave experiments and also in experiments between Radio frequency generated dual electrodes. (Fig 12, D.LaPoint and K.Chukanov) Reason to suggest new experiments for micro Birkeland current circuit generation between three Plasma Balls. (two balls with a negative charged outer shell and one neutral- relative positive charged in the middle (Fig 13).

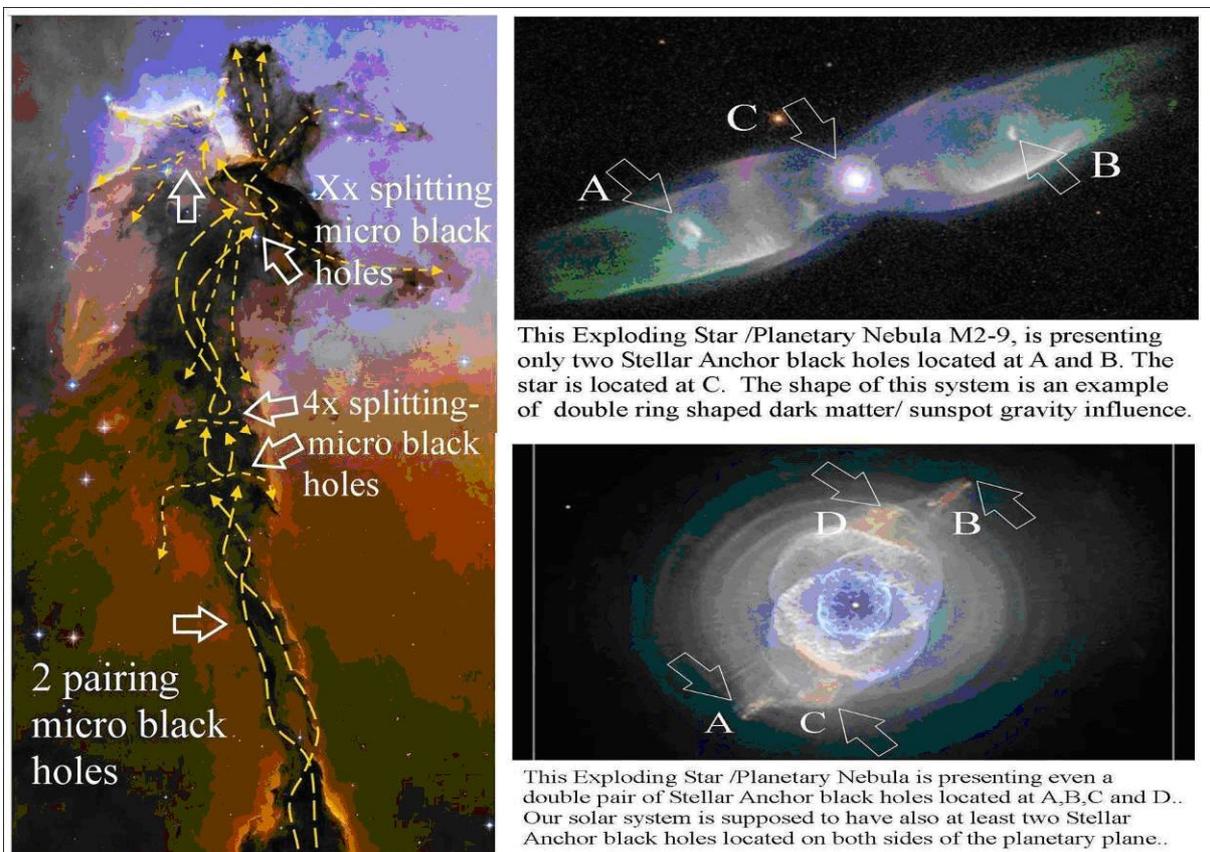
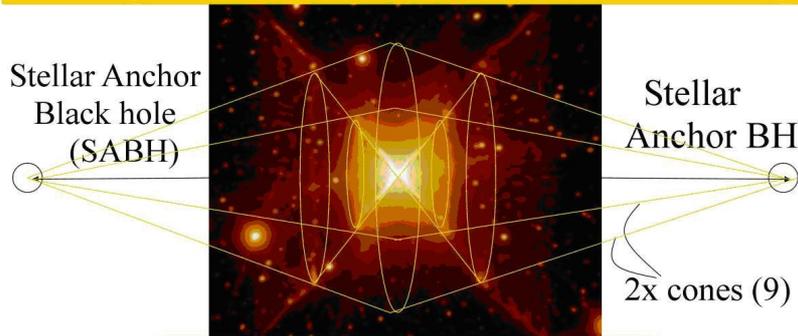


Figure 1, The Spire Eagle nebula, with two Planetary nebula, examples of the gas production and concentration effect of Black holes in the electric universe.

The origine of Double MWC922 interference rings



SABH interference rings with double coned starspot distribution.

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.

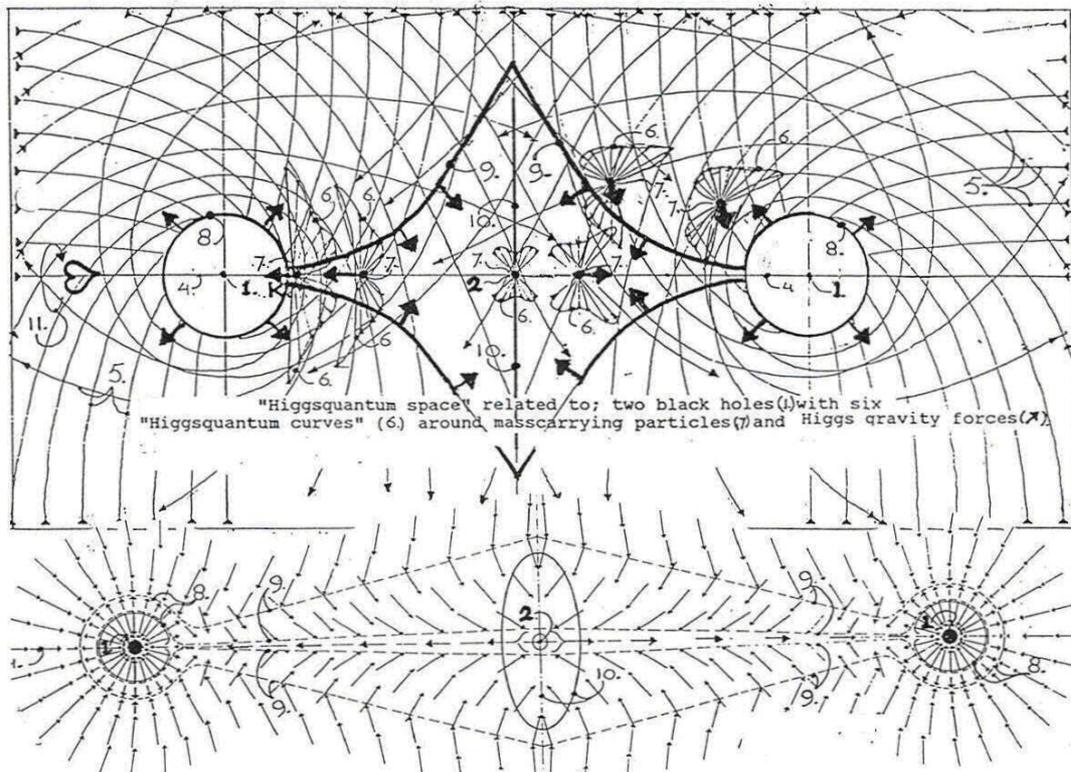


Figure 1, Higgs Vacuum structure around a set of two Black holes, as is found to be present around some Planetary nebula, early Galaxies and Herbig Haro objects. The negative charged particle jets is the result of the Black hole based electric potential combined with the vacuum polarisation (acceleration)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

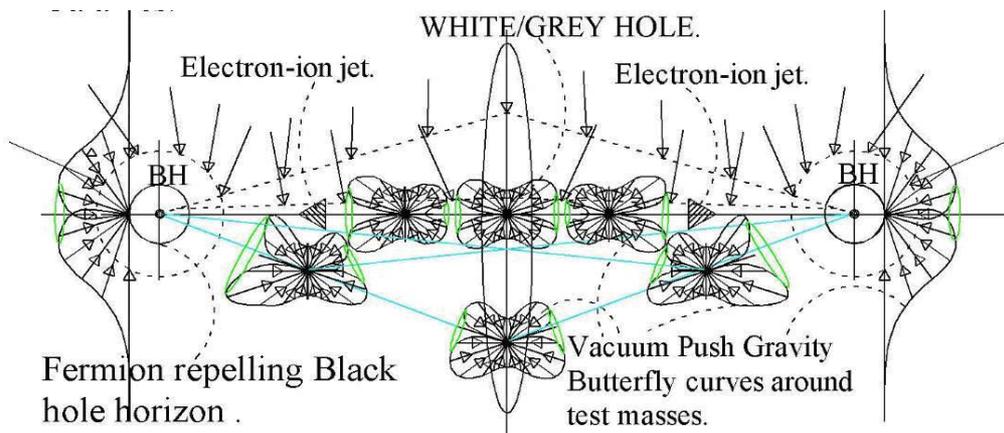


Figure 4, The same Birkeland current system as figure 3 with butterfly vector arrays at different locations around the Black holes. In the middle the vacuum has less density (larger Planck lengths) by the absorption of the dual Black holes.

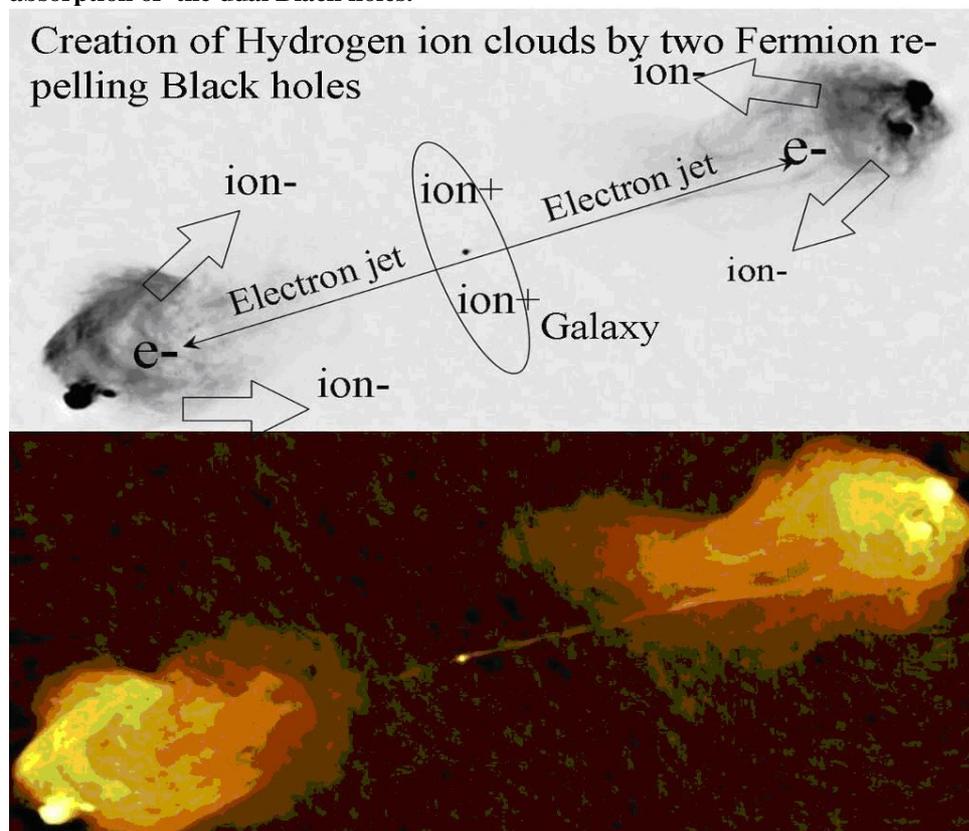


Figure 5 Cygnus A equipped with dual hotspots with gas production and electron jet including Birkeland currents and gas transportation by Alfvén circuits.

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, such particle knots are supposed to be formed inside Silicon balls (fig 10) and Plasma balls (fig 12) in the laboratory.

The OLD and NEW Black Hole differences.

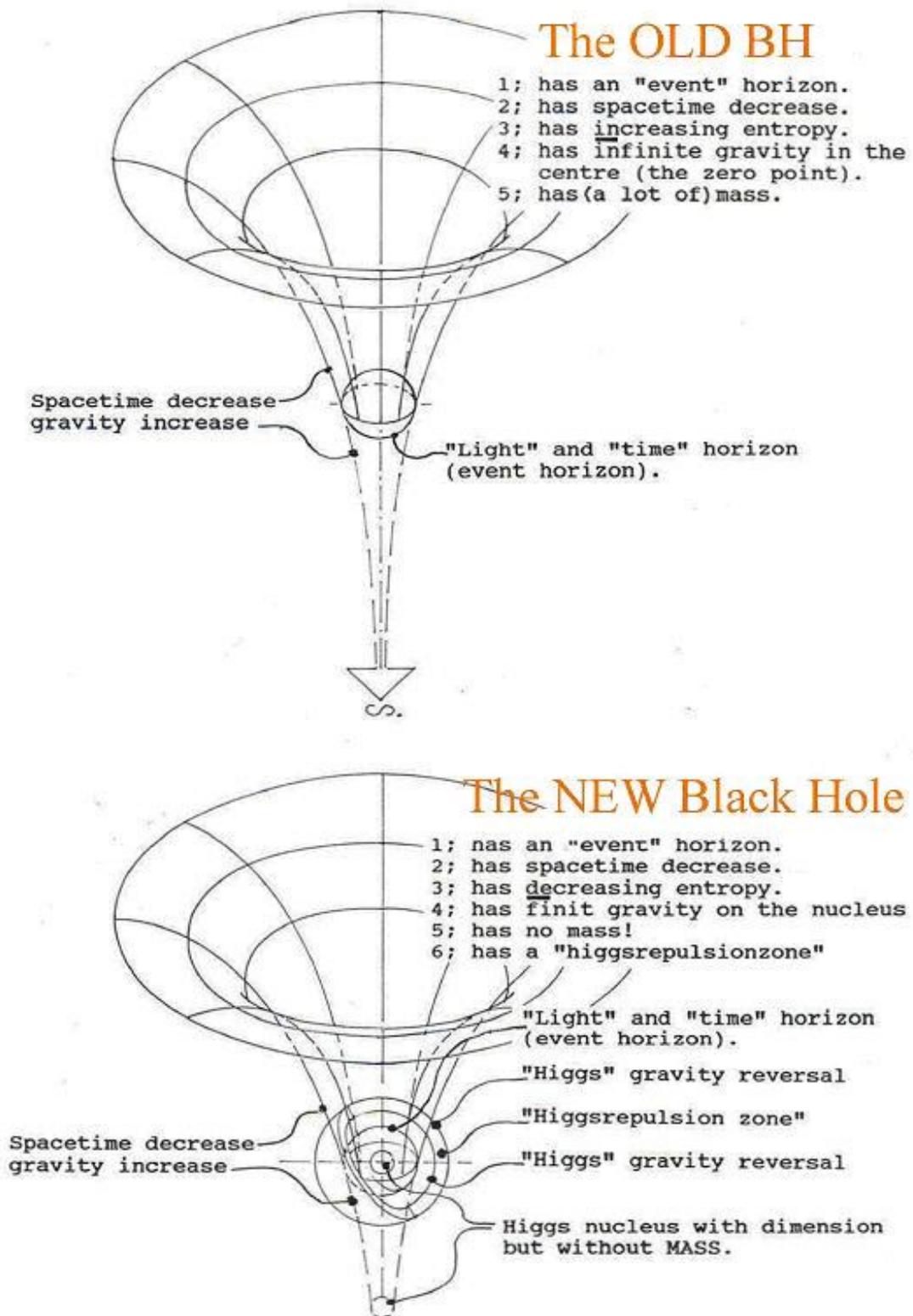
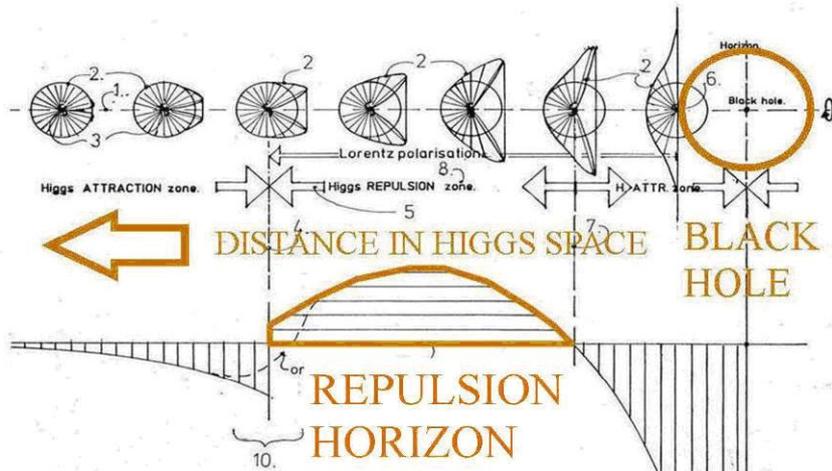


Figure 7, The difference between the old and new paradigm Black hole according to Quantum FFF Theory .

The Fermion repelling horizon of new black holes



7x Higgs quantum curves (2) are depicted for Fermions (3) with different distance to the BH. At location (10) the spin of the fermions will FLIP due 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)

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

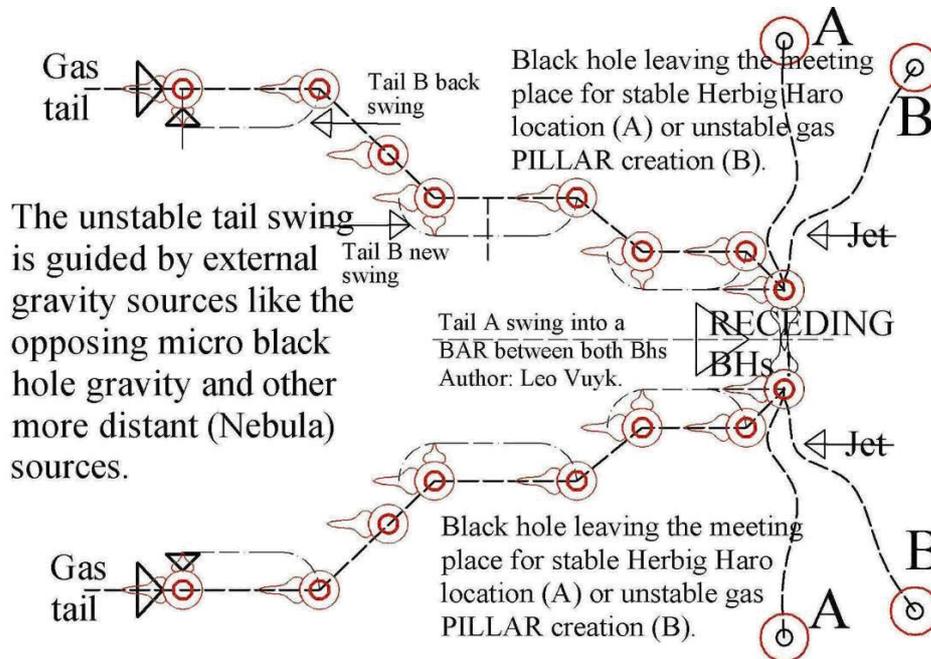
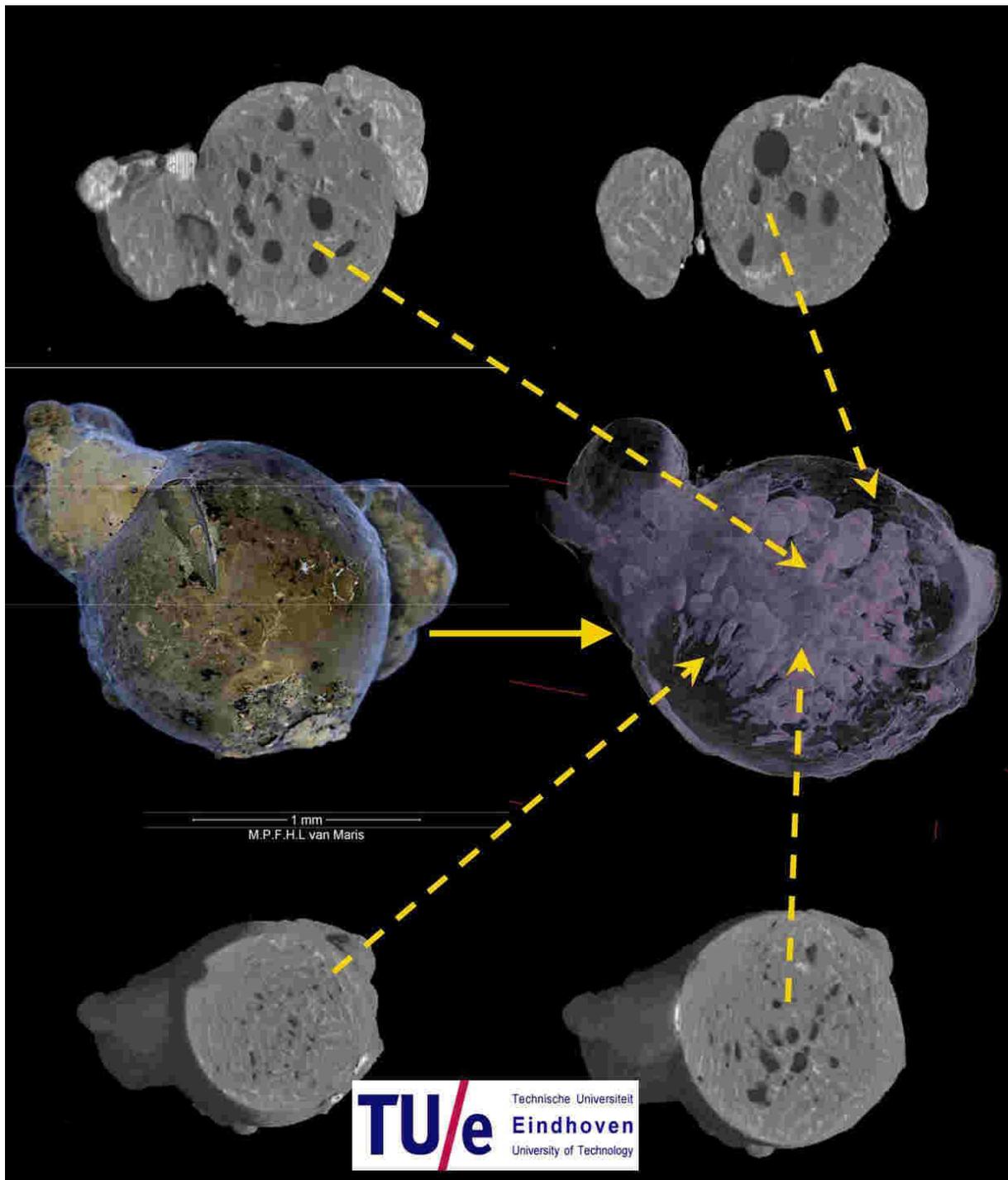


Figure 9, New Black hole propulsion principle by a self produced plasma-dust tail, also responsible for dust Pillar creation and the pairing and spitting effect as observed in nebula like the Eagle and Carina nebula.



Internal Silicon globule structure made by 2D and 3D Nano-CT scan at the University of Eindhoven (NL). Internal linear cone-shaped hollow channels are observed, supposed to be created by migrating– and evaporating Quantum Knots (according to Quantum Function Follows Form Theory, author: Leo Vuyk).

Figure 10, Example of Channel producing micro Quantum Knots (ball lightning) inside Silicon globules.

Why Silicon? Silicon structure (A) seems to be related to the structure of Black Hole Quantum Knots (B) proposed by the New Black Hole paradigm of Quantum FFF Theory. Basic Black Hole Quantum Knots are assumed to be formed by 3,4 or more real photon particles (B+C)

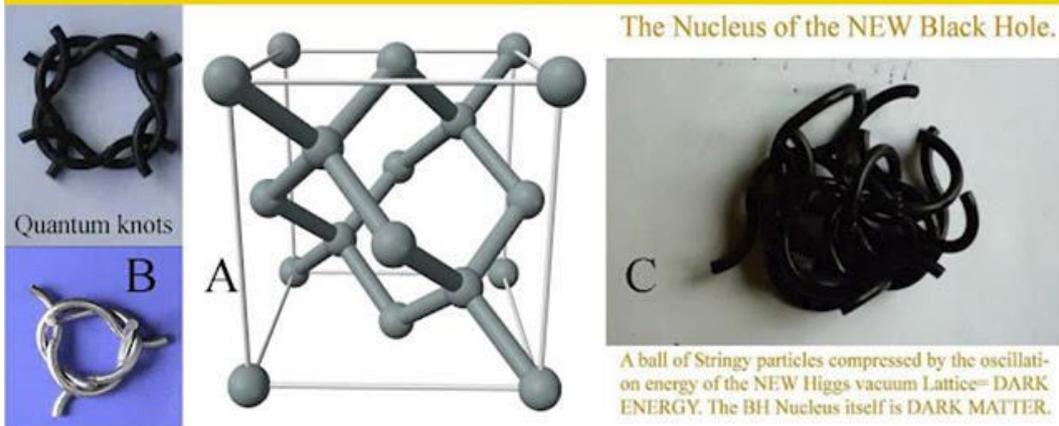


Figure 11, The geometric atomic silicon structure seems to be responsible for Quantum Knots formation inside Silicon wafers after strong RF current heating.

TWO Plasma ball experiments, leading to the same conclusion: Zero Point Energy production is near the corner if we take two plasma balls according to Quantum FFF theory. Only TWO plasma balls will create huge functional electric potential in between.

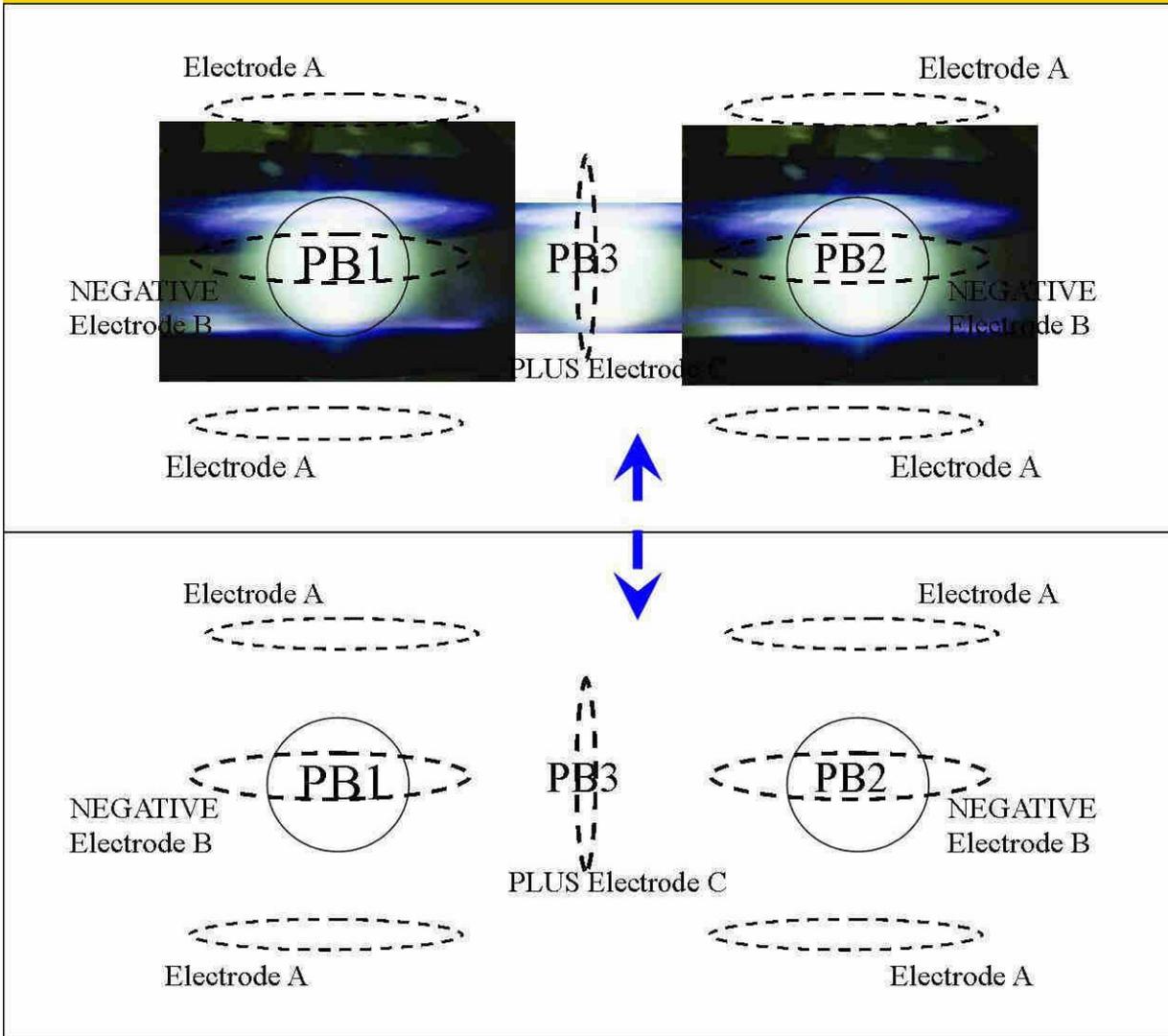


The first recent (2013) experiment of David Lapoint (images above) can be compared with the older experiment of Kiril Chukanov. (below)



Figure 12, Examples of Plasma Ball experiments, by D.Lapoint and K.Chukanov.

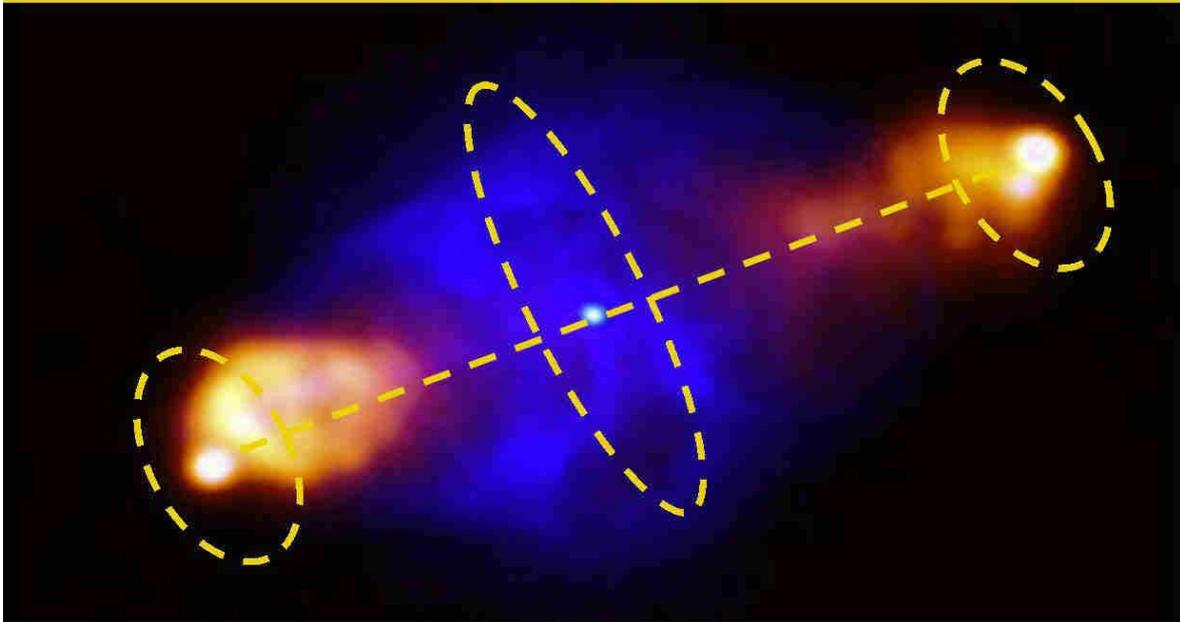
Principle of Electric MICRO BIRKELAND CURRENT production (Overunity Free energy principle) with TWO NEGATIVE CHARGED Plasma Balls and a third SELF GENERATED POSITIVE CHARGED PLASMA BALL IN BETWEEN.



Two negative charged plasma Balls (PB1,PB2) are created by Radio Frequency currents between 4x Electrodes (A). However according to Quantum FFF theory, the plasma balls will generate a THIRD electric inverse (positive charged) Plasma Ball (PB3) in between creating an electric potential as is observed in space as “Birkeland Currents”. As a consequence electric vacuum energy can be tapped between PB1,2 and PB3. (electrodes B and C) and will be only partly needed for continuation of the plasma ball existence.. (proposal according to Quantum FFF Theory, by Leo Vuyk)

Figure 13, Principle of electric micro Birkeland Current generation between three Plasma balls (two plasma balls with negative charged shell and one relative positive- or neutral charged) in the lab.

Dual Dark Matter Black Hole Systems seem to be active at all scales: Galaxies and Galaxy Clusters



Cygnus A Radio Galaxy (above) and TWO Colliding Galaxy Clusters 1E-0657-66 (below) show both dual dark matter blobs with hot gas areas in between. According to Quantum FFF Theory, Dark Matter Black Holes have a strong pairing ability with gas production and gas concentration by Birkeland currents.

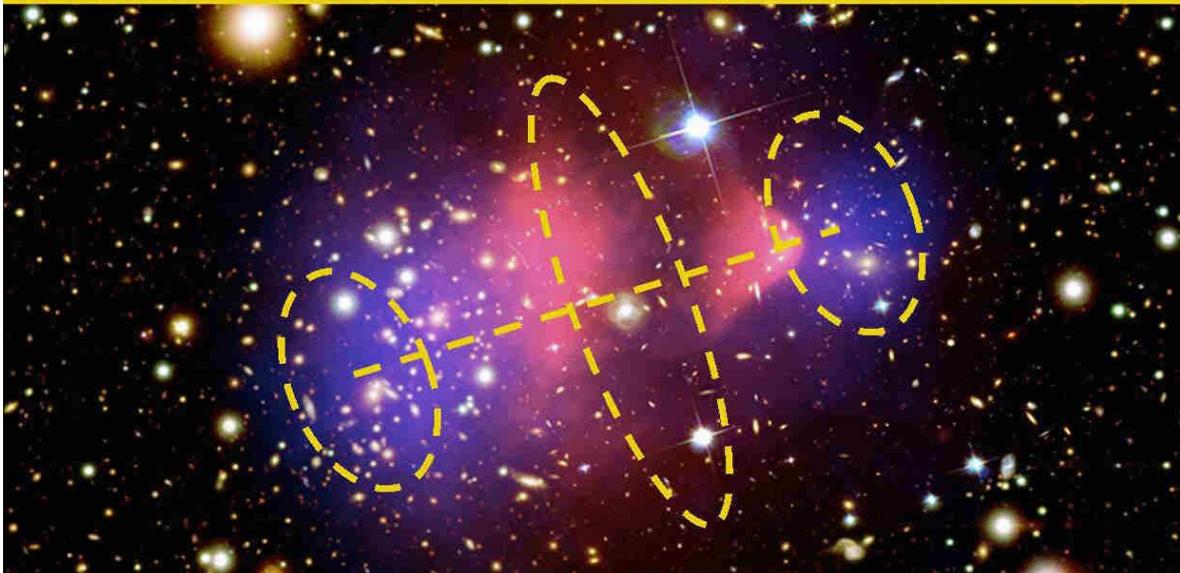


Figure 14, Cygnus A is one of the best examples of Birkeland current driven gas concentration between dark matter Galaxy Anchor Black Holes (GaBHs) (fig 5) . However even between the dark matter black hole concentration of TWO Galaxy clusters, there seem to be Birkeland current based hot gas concentrations see Hubble images above (with false inverse coloring).

Birkeland/ Aflven 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)

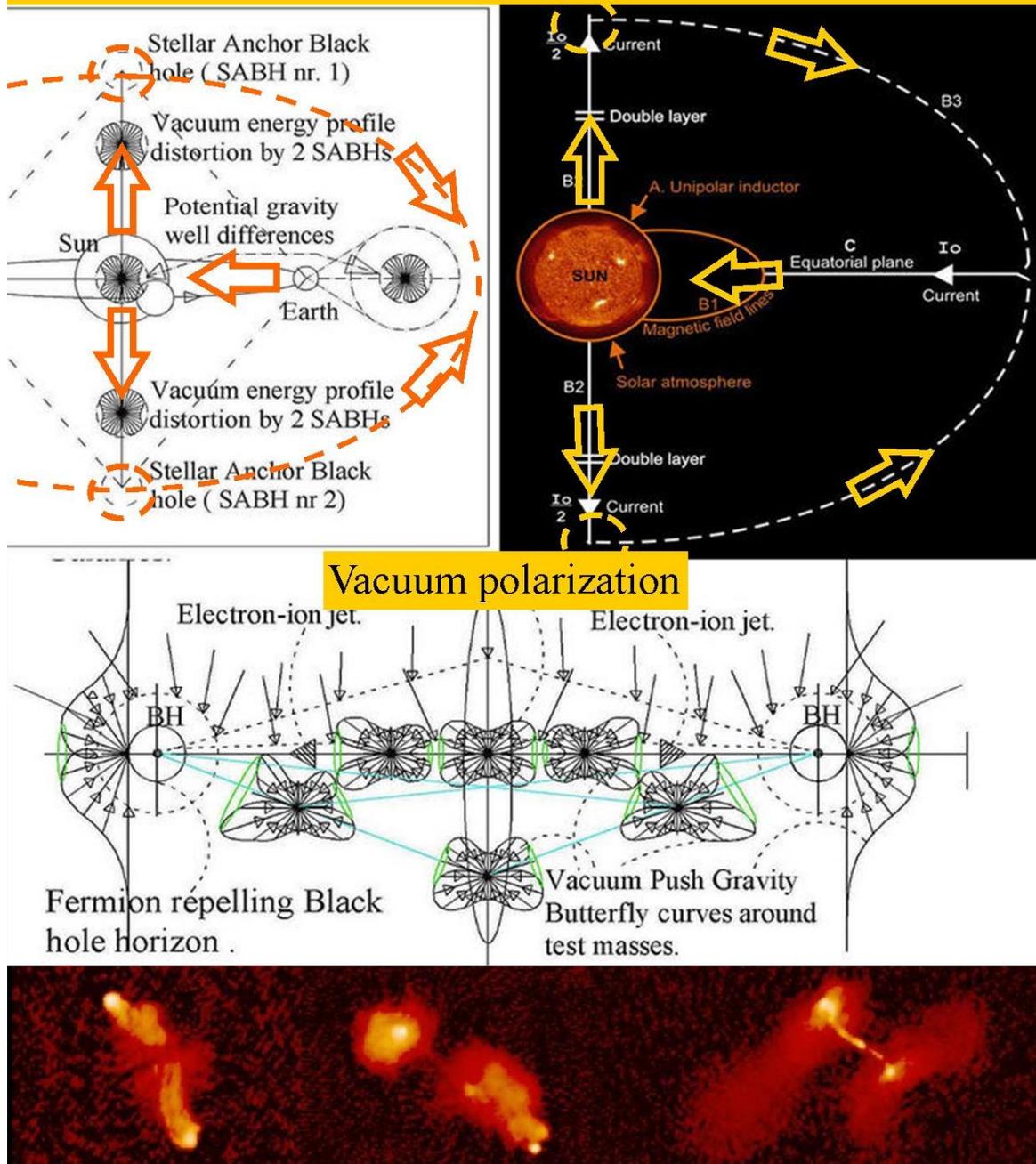


Figure: 15, Birkeland/ Aflven circuit currents around stars and galaxies, are driven by new paradigm tandem black holes, each producing a global external excess of negative charged plasma and an internal positive charge plasma. The negative plasma is mainly accelerated as Birkeland Alfven current circuits by the Casimir polarized vacuum (or Higgs polarized oscillations, according to Q-FFF Theory)

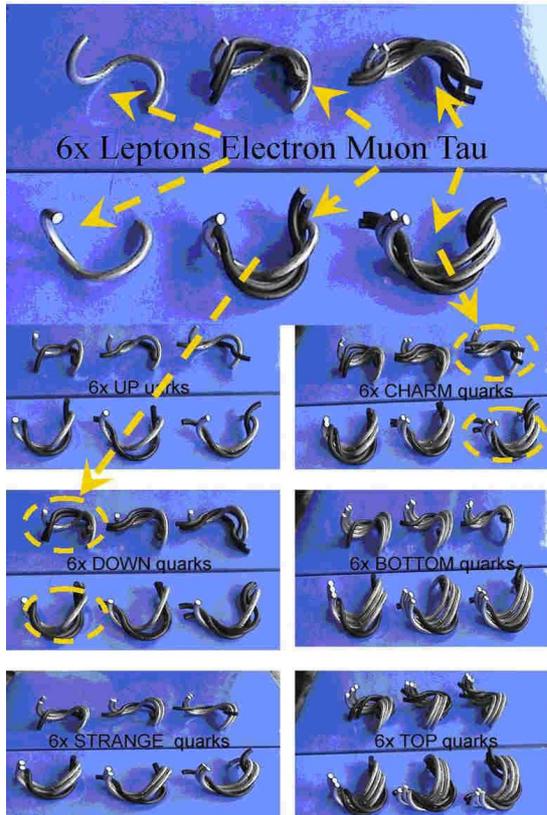
This Ball Lightning photo is an important piece of the new physics of Quantum FFF theory. It shows a self produced vapor trail washed out by the opposing wind of the massless BL nucleus, which seem to be pushed against the wind. Just as observed in multiple single- and pairing Black Hole examples in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



Other examples of BLs with plasma tails



Figure: 16, Examples of small new paradigm black holes on earth called Quantum Knots or Ball Lightning equipped with the same globular dual electric charged shell of negative outer and positive inner shell.



Geometrical proposal for the sub-quantum structure of 6 Leptons and Quarks interpreted as compound Photon/Electron Positron propeller combinations. Muon- and Tau particles seem to show up as family members of the Down respectively Charm Quarks. According to Quantum FFF Theory. (Function Follows Form in particle physics)

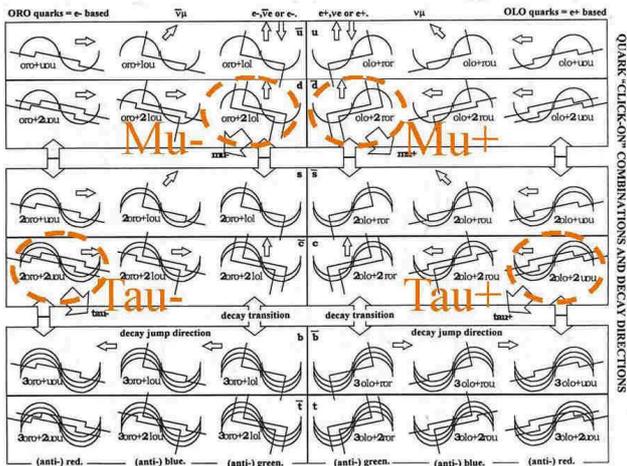


Figure 17, Sub Quantum structure proposal for elementary particles of the standard model.

Topology of the Oscillating Chiral Higgs field vacuum structure, with Dark Matter Quantum Knots inside Black Hole Nuclei, as the second energetic element to make the Multiverse a cyclic self organising system.

Photon trajectories through the tetrahedral oscillating Higgs vacuum lattice. (Acc. to Quantum FFF Theory)
A: a real shaped Photon is created by Higgs collision with a dual axis spinning (Calabi Yau) Fermion propeller.
B: that Photon transfers CODED form information (monopole photon info) and direction information into one Higgs particle which transfers this information by mutual Higgs collisionary oscillations through the vacuum in one specific direction.
C, D, E, or F
I: Only magnetic photonic information (2x : North and South) are subject to curvature by an undisturbed symmetric oscillating vacuum
II: Local Anti-Symmetric Oscillating vacuum Frames are influenced by massive objects like the earth and responsible for semi relativistic effects.
III The vacuum lattice has helix- or chiral quality being the origin of our material universe.

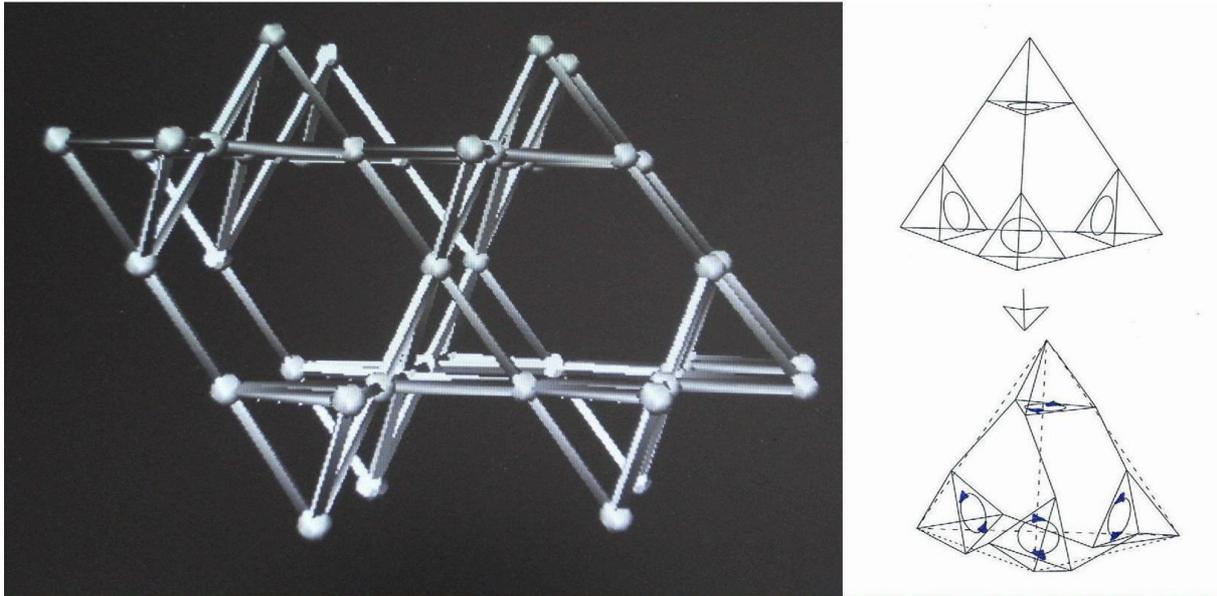
Dark Matter Quantum Knots inside BH Nuclei.

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 right-handed 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 18, Topology of the oscillating chiral Higgs field.



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.

Figure 19, Tetrahedral vacuum structure of the linear oscillating Higgs field.

What can we learn from the Shoemaker Levy Comet 9 destruction into multiple energy point sources, about Comet 67P C-G craters? That the Quantum FFF Theory for crater formation at 67P, is in harmony. Conclusion: Comets are aggregations of multiple energetic dark matter point sources, coined new paradigm interference Black holes. The different sizes of Comets (see image) is an indication that Comets seem to grow by merging with other comets, based on one-two- or multiple dark matter point sources. However these point sources does not merge into bigger ones, but stay clear as individuals, probably each produced by strong solar flare interference (Q-FFF Theory) called solar bright spots (see image 155) fireballs.

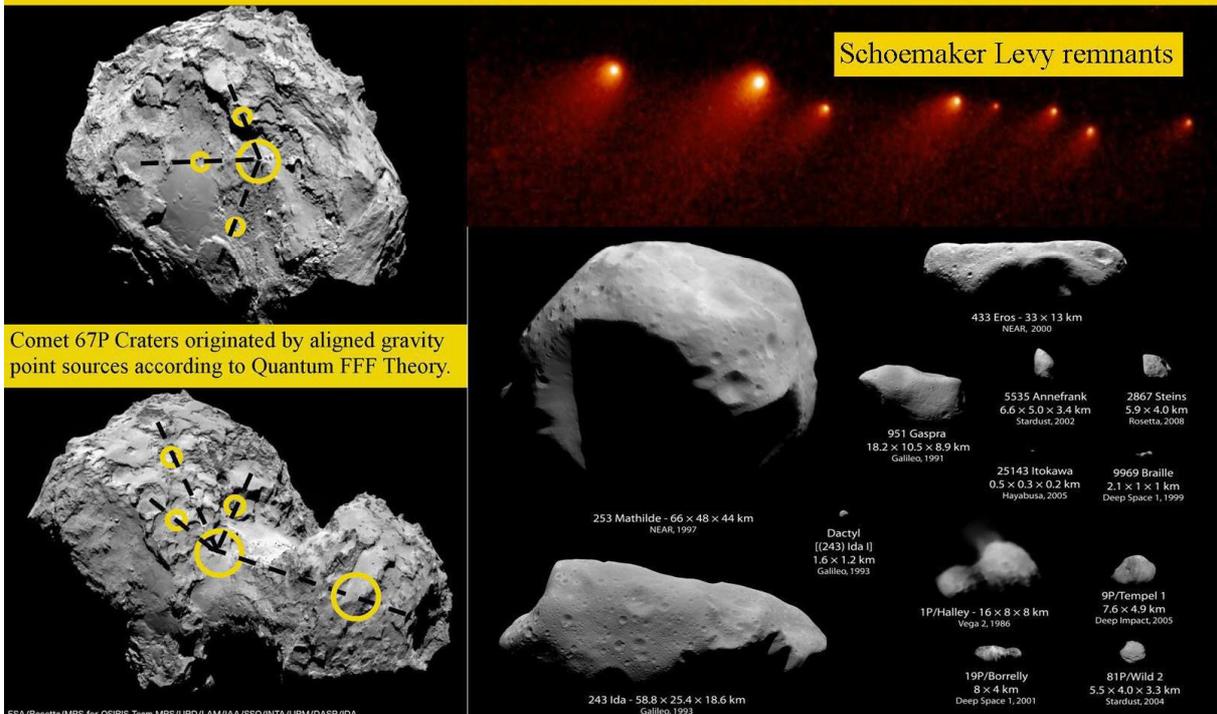
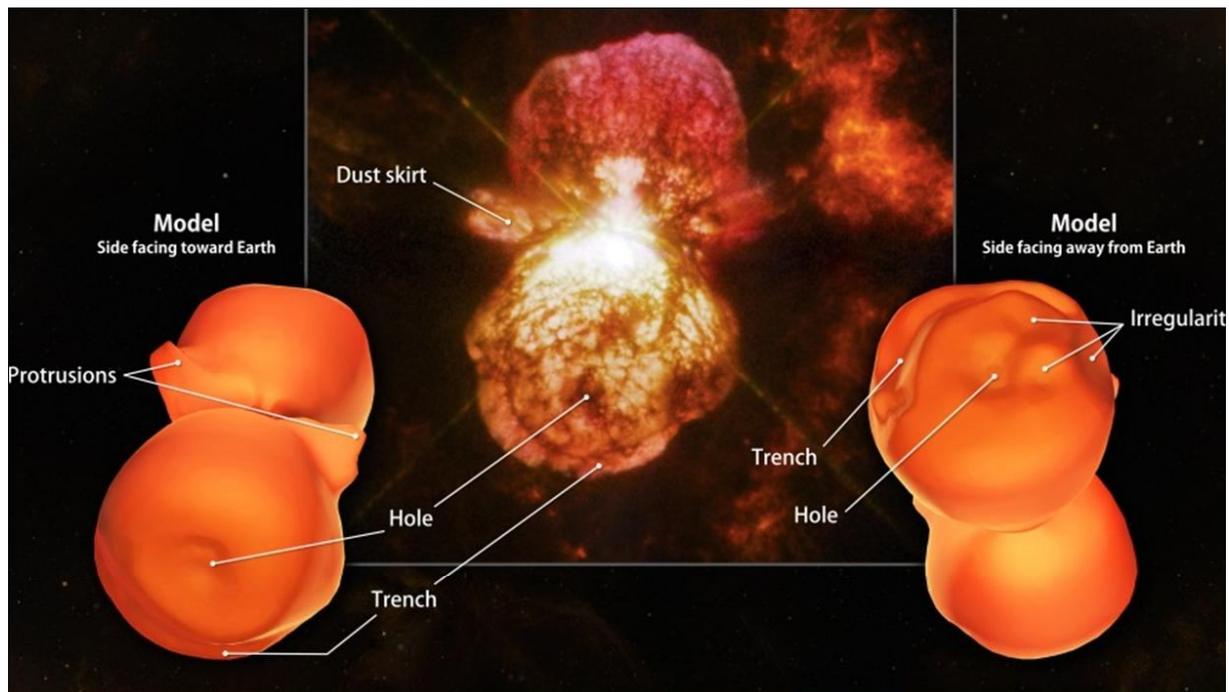


Figure 20, Multiple dark matter Black Hole energy point sources in Comets



Trenches and Crater Holes in Dumbbell shaped Comets (67P-CG) and Nebula (Eta Carina Nucleus) seem to be formed by gravitating Dual Fermion repelling Dark Matter Black Holes, and Charge Separation according to Quantum FFF Theory (Function Follows Form).

See: <http://vixra.org/pdf/1402.0044v4.pdf>

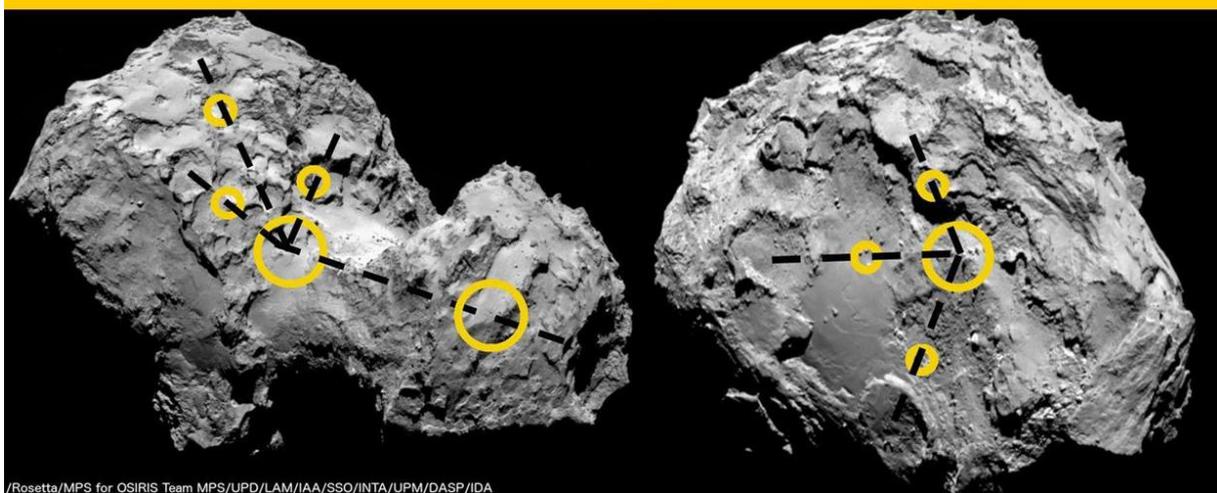
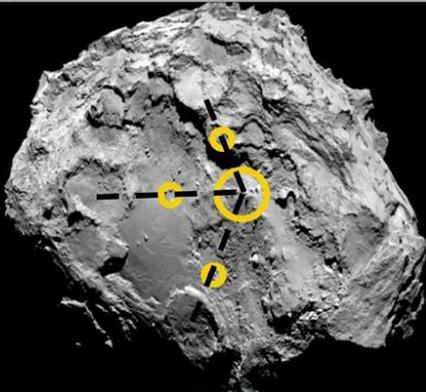
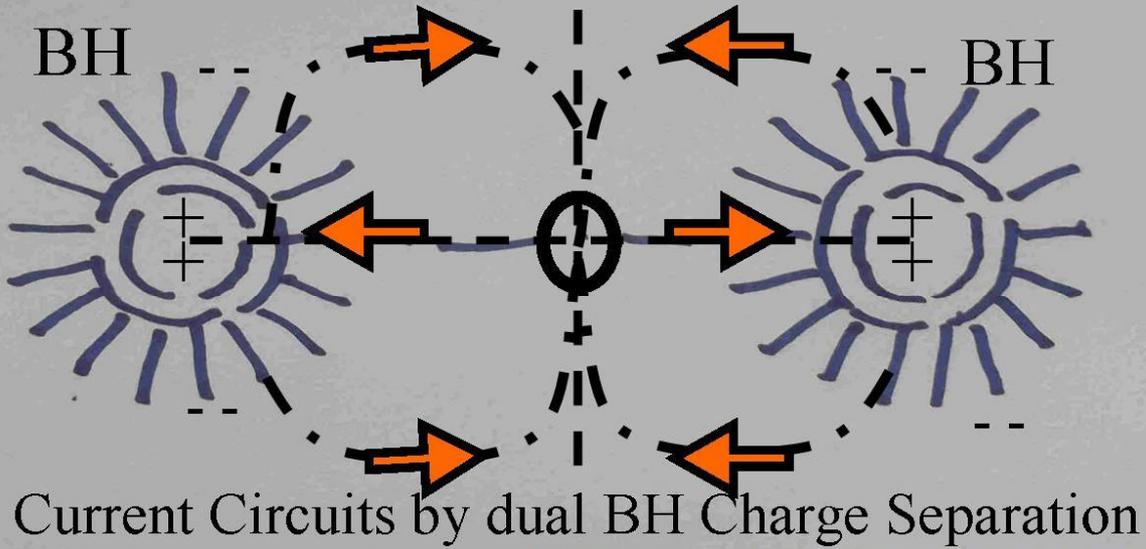
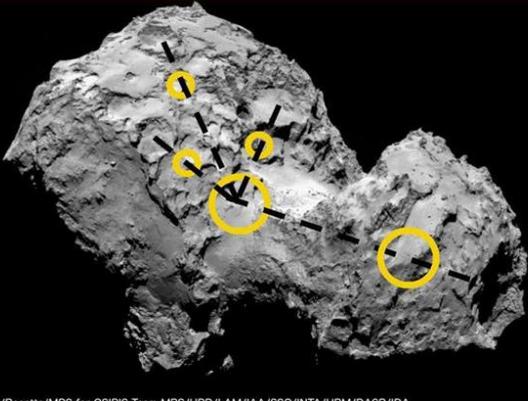


Figure 21, Trenches and Craters in Comets and even Nebula. (Eta Carina)

Comparison of Birkeland Alfven current circuits inside Comets (67P by micro BHs) and Ultra Luminous IR Galaxies (by GABHs: Galaxy Anchor Black Holes) also found inside in Herbig Haro systems and Stellar systems, according to Quantum FFF Theory.
 See: <http://vixra.org/abs/1402.0044>

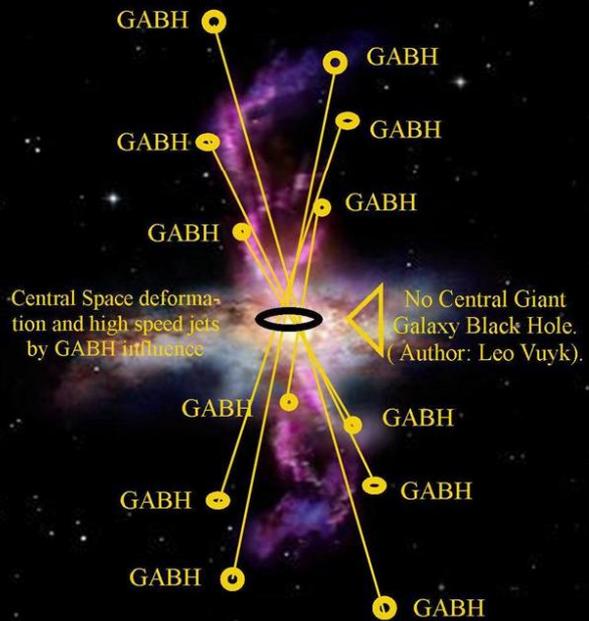


Comet 67P Craters originated by aligned gravity point sources according to Quantum FFF Theory.



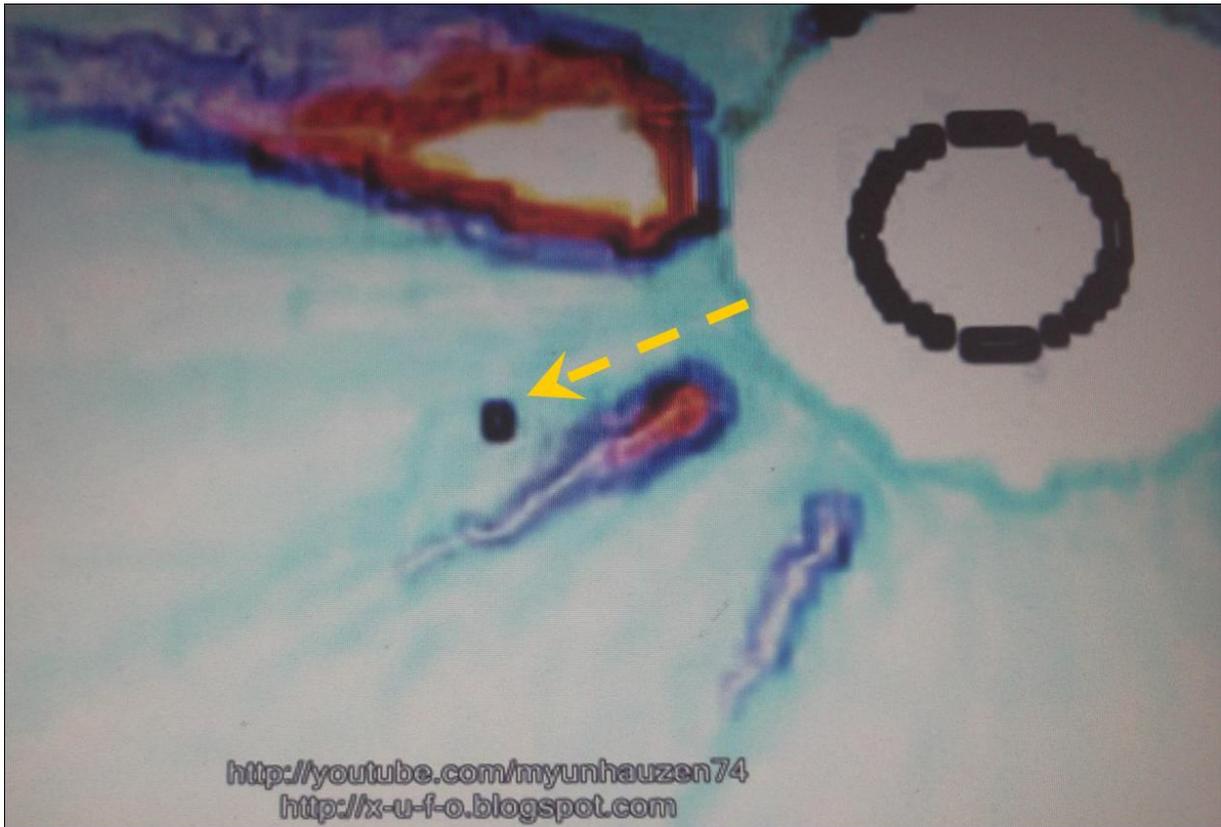
ESA/Rosetta/MPS for OSIRIS Team MPS/UPD/LAM/IAA/SSO/INTA/UPM/DASP/IDA

Galaxy Anchor Black Hole (GABH)-
 Effect on High speed gas ejection.



Massive molecular outflows and negative feedback in ULIRGs observed by Herschel-PACS

Figure 22, Birkeland Alfven current circuit effects in Comets up to Galaxies.



Solar flare based Cometary nucleus production?
Energetic dark matter point sources produced by
solar flares, as predicted by Quantum FFF Theory.
(Youtube video, june 10 2014, by Myunhauzen 74,
called: UFO flying out of the sun)



Figure 23, Assumed creation of Quantum Knot based Black Holes by electro magnetic interference (knitting) effects. (See figure 6)

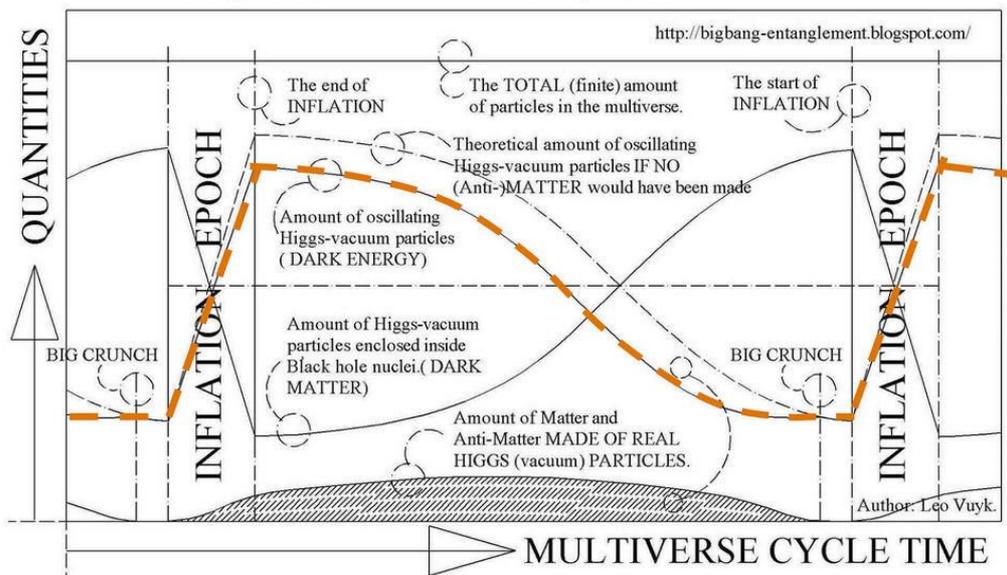
New Physics by the architecture of Quantum FFF (Function Follows Form) Theory.

Characteristics of Quantum FFF Theory.

- 1: The clear MICROSTRUCTURE or the 3D FORM of elementary particles, (also called 3D-Preons) made out of convertible Higgs particles, is responsible for “Bound states of Fermions” and composite Quarks.
- 2: The Higgs is supposed to be energetic oscillating, it is the origin all particle motion and spin states and Dark energy (126 GeV) inside a truncated tetrahedron shaped chiral vacuum lattice. The lattice chirality (left or right handed) is the origin of our material universe. Higgs particles are zero point “Planck Oscillators” the origin of the Casimir force, waiting to be harnessed as free energy.
- 3: NOTHING SUCKS IN PHYSICS, Gravitons act with less pressure on Fermions than the Higgs vacuum (dark energy) and everything is ENTANGLED by INSTANT communication between at least two anti-copy UNIVERSES or MULTIVERSE, being entangled since the big bang.
- 4: Black holes of all sizes (down to ball lightning) do not emit gravitons, they feel only Casimir Gravity of the vacuum oscillations so they are massless but counter intuitively the origin of dark matter and producers of all Hydrogen by electron and Positron pairs as horizon fluctuations and repel all Fermions at the BH horizon.
- 5: The Multiverse is Pulsating by two phenomena, A; vacuum (Higgs) eating new paradigm dark matter black holes (causing the Hubble redshift) and B: by universal expansion caused by the oscillation force (Dark energy) of the Higgs vacuum lattice.

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 Pulsating Multiverse depicted as a continuous flow of increasing and decreasing numbers free oscillating- and Black hole condensed Higgs particles and the amount of Quarks and leptons. The size of the pulsating multiverse vacuum is given in orange.

Figure 24, The CP symmetric Multiverse cycle of Quantum FFF Theory.

FUNCTION FOLLOWS FORM in Quantum FFF-Theory. The Microstructure of elementary particles, is supposed to be the origin of FUNCTIONAL differences between Higgs- Photon- and propeller shaped Fermion particles. Something SMALL is missing in mainstream physics: a NEW splitting and pairing MASSLESS BLACK HOLE, the origin of all dark matter, Ball Lightning Micro Comets , Comets, Sunspots up to Galaxy external Anchor Black Holes and the Big Crunch of the CP symmetric pulsating raspberry shaped multiverse.

The multiverse is a collection of huge entangled pinball machines, with dark energy in the form of linear oscillating double Higgs pins as the origin of photonic collision products with the propeller shaped Fermions running and spinning as balls.

All forces are the result of this entangled Pin-Ball interaction. The 125GeV Boson recently found in the LHC is not a single but a double massless 3rd generation Higgs boson linear oscillating in tandem as opposing boxer engine pistons in a chiral truncated tetrahedron lattice.

The 125GeV energy is the base for universal dark energy, the frequency is the base for local time and the length a base for the Planck scale. (Twin Higgs, Dual Higgs, Duplex Higgs, or Tandem Higgs).

AS A RESULT, Free energy devices and electron-muon decay levitation is proposed. An unstable Higgs vacuum seems to be present around all black hole horizons by observed H₂ production and annihilation radiation created by pair production of positrons and electrons. (Instability of the Higgs field)

Zero Point Electric Energy (ZPEE) could 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. (ref. 1)

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?

Professor 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 (ref 2)

“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://sohowww.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

and "Electric Sun" by Wallace Thornhill and David Talbott

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

"a synopsis of the electric universe" by Wal Thornhill.

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/2003AGUFMSH42B0546A>

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/

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 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 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

“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?

References;

[1] **viXra:1209.0030 Majorana and Sterile Neutrino Solutions in the Quantum-FFF Model.**

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.**

Authors: Leo Vuyk

Category: Astrophysics

[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.**

Authors: Leo Vuyk

Category: Quantum Gravity and String Theory

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

Authors: Leo Vuyk

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.**

Authors: Leo Vuyk

Category: Astrophysics

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

Authors: Leo Vuyk

Category: Astrophysics

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

Authors: Leo Vuyk

Category: Quantum Physics

[9] **viXra:1108.0006 Mass in Motion in Quantum FFF Theory**

Authors: Leo Vuyk

Category: Quantum Physics

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

Authors: Leo Vuyk

Category: High Energy Particle Physics

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

Authors: Leo Vuyk

Category: Astrophysics

[12] **viXra:1104.0002 Stellar Anchor Black Holes as the Remnants of Former Herbig Haro Objects**

Authors: Leo Vuyk

Category: Astrophysics

[13] viXra:1103.0097 **ZPE Zero Point Energy Examples Around Black Holes.**

Authors: Leo Vuyk

Category: Relativity and Cosmology

[14] viXra:1103.0068 **Funktion Follows Form, at the Quantum Scale and Beyond.**

Authors: Leo Vuyk

Category: Quantum Gravity and String Theory

[15] viXra:1103.0024 **Quantum Gravity and Electro Magnetic Forces in FFF Theory**

Authors: Leo Vuyk

Category: Quantum Gravity and String Theory

[16] viXra:1103.0015 **Wavefunction Collapse and Human Choice-Making Inside an Entangled Mirror Symmetrical Multiverse.**

Authors: Leo Vuyk

Category: High Energy Particle Physics

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

Authors: Leo Vuyk

Category: High Energy Particle Physics

[18] viXra:1103.0002 **3- Dimensional String Based Alternative Particles Model**

Authors: Leo Vuyk

Category: High Energy Particle Physics

[19] viXra:1102.0056 **Experiments to Determine the Mass Related Lightspeed Extinction Volume Around the Earth and Around Spinning Objects in the Lab.**

Authors: Leo Vuyk

Category: Relativity and Cosmology

[20] viXra:1102.0054 **Atomic Nuclear Geometry Based on Magic Number Logic.**

Authors: Leo Vuyk

Category: Nuclear and Atomic Physics

[21] viXra:1102.0052 **Construction Principles for Chiral "atoms of Spacetime Geometry".**

Authors: Leo Vuyk

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

Author: Leo Vuyk, LuLu publishers, 2008.

ISBN number 978-1-4092-1031-3

[23] **Milky Way's Birkeland Current Falsifies "Black Hole" Assumption.**

The Electric Universe Thunderbolt blog :6-23-2008

[24] ^ Hannes Alfvén, "Double layers and circuits in astrophysics" (1986) IEEE Transactions on Plasma Science (ISSN 0093-3813), vol. PS-14, Dec. 1986, p. 779-793.