

# **Micro Birkeland Currents between two RF generated Plasma Balls in the laboratory.**

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## **Abstract,**

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

As a result, a NEW 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 (nuclear electric potential) and is responsible for all dark matter in the universe.

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 compose complex quantum knots or micro black holes as the origin 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 current generation between RF generated plasma balls.

## **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 Alfven circuits. (fig 1,2) [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.

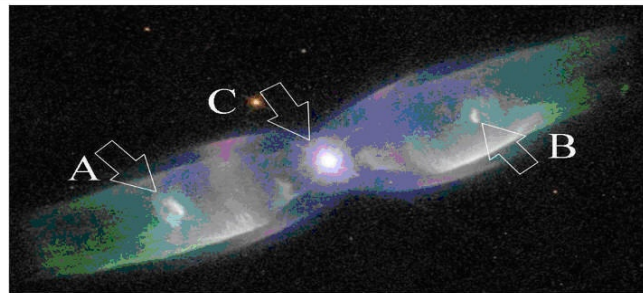
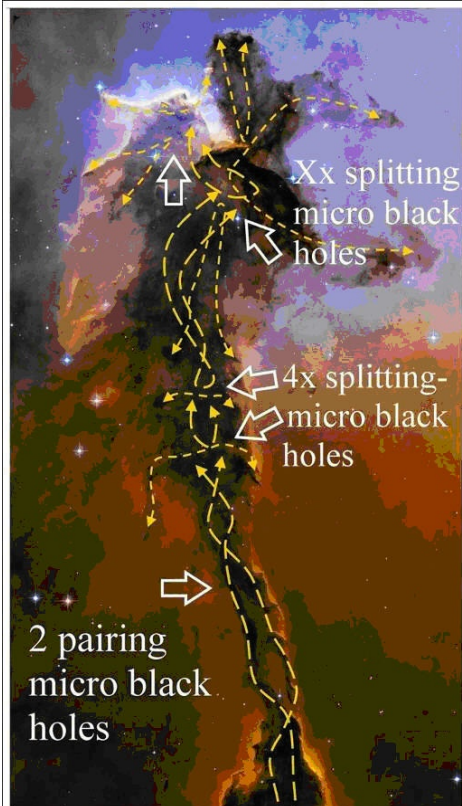
We observe in these nebulas the pairing and splitting of Black holes ending up into multiple Herbig Haro objects (double stellar anchor Black hole systems) generating Hydrogen gas around the two black holes in addition with Birkeland Current systems as accelerating origin of fast new star formation and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

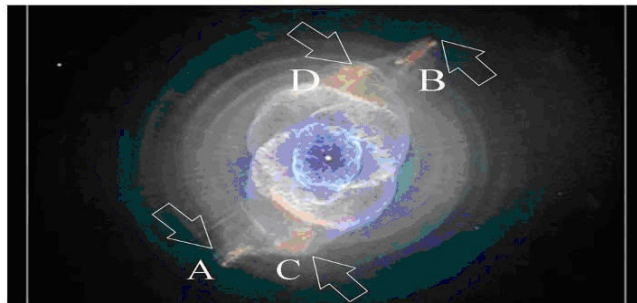
This was reason to search for examples of those Quantum Knot formation in the lab. ( see fig 10) Example of Channel producing micro Quantum Knots (ball lightning) inside Silicon globules.

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).



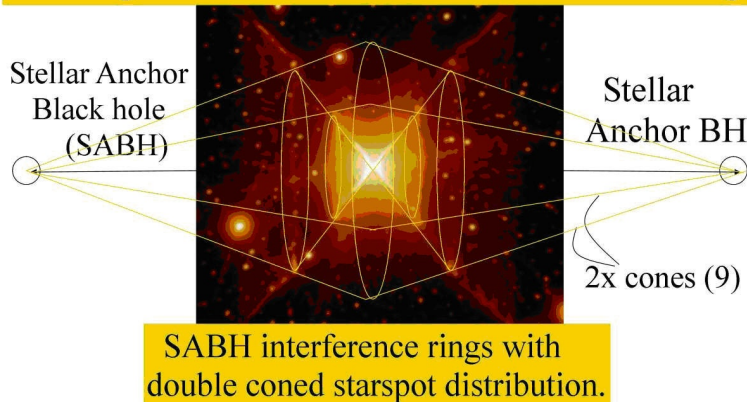
This Exploding Star /Planetary Nebula M2-9, is presenting only two Stellar Anchor black holes located at A and B. The star is located at C. The shape of this system is an example of double ring shaped dark matter/ sunspot gravity influence.



This Exploding Star /Planetary Nebula is presenting even a double pair of Stellar Anchor black holes located at A,B,C and D.. Our solar system is supposed to have also at least two Stellar Anchor black holes located on both sides of the planetary plane..

**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.

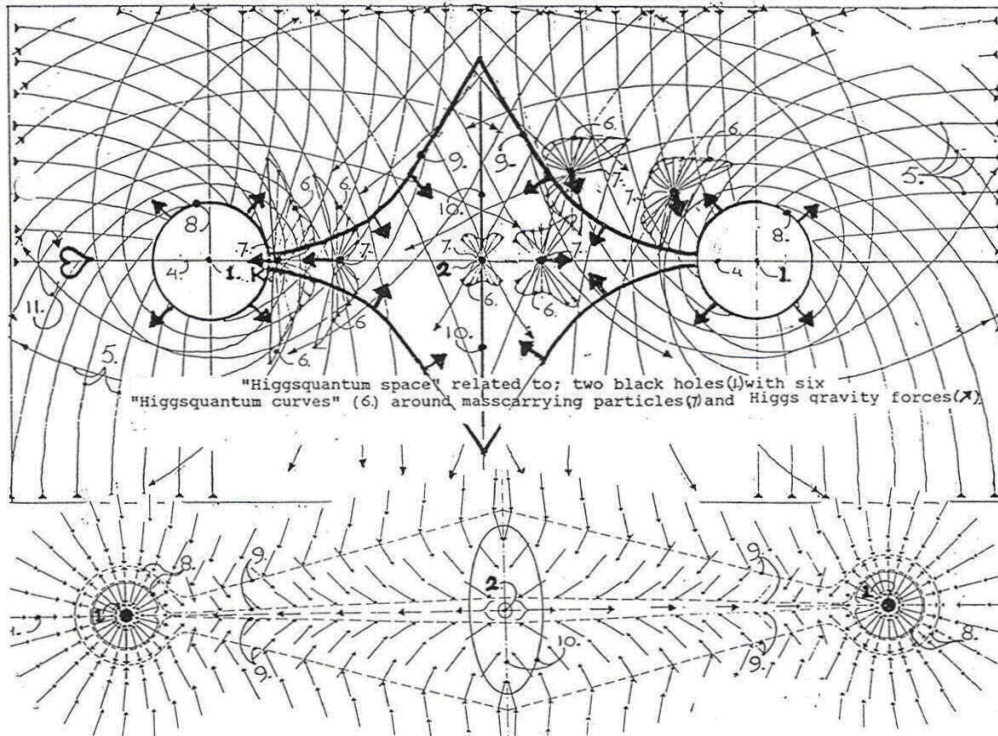


Figure 3, Higgs Vacuum structure around a set of two Black holes, as is found to be present around some Planetary nebula, early Galaxies and Herbig Haro objects. The negative charged particle jets is the result of the Black hole based electric potential combined with the vacuum polarisation (acceleration) 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.

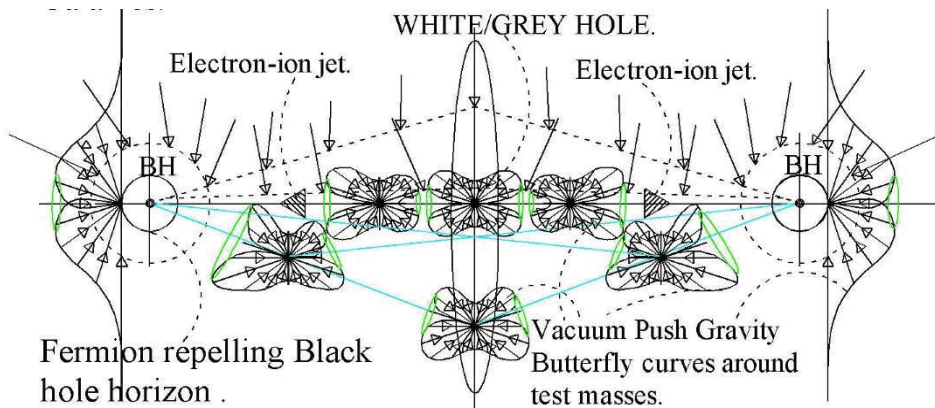


Figure 4, The same Birkeland current system as figure 3 with butterfly vector arrays at different locations around the Black holes. In the middle the vacuum has less density (larger Planck lengths) by the absorption of the dual Black holes.



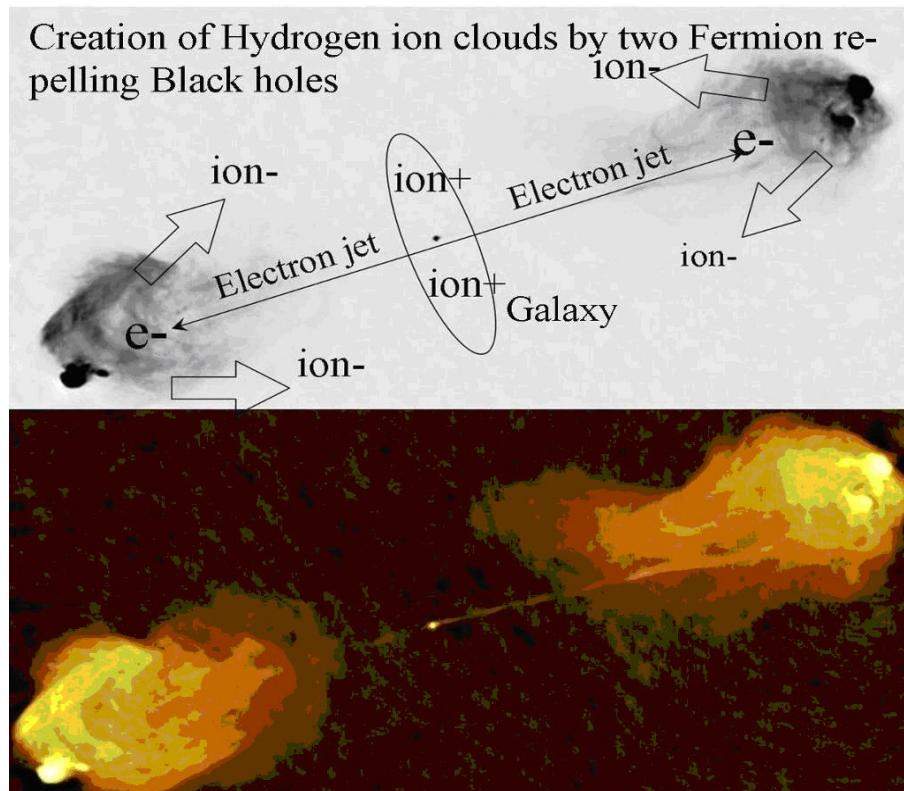


Figure 5 Cygnus A equipped with dual hotspots with gas production and electron jet including Birkeland currents and gas transportation by Alfvén circuits.

## 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.

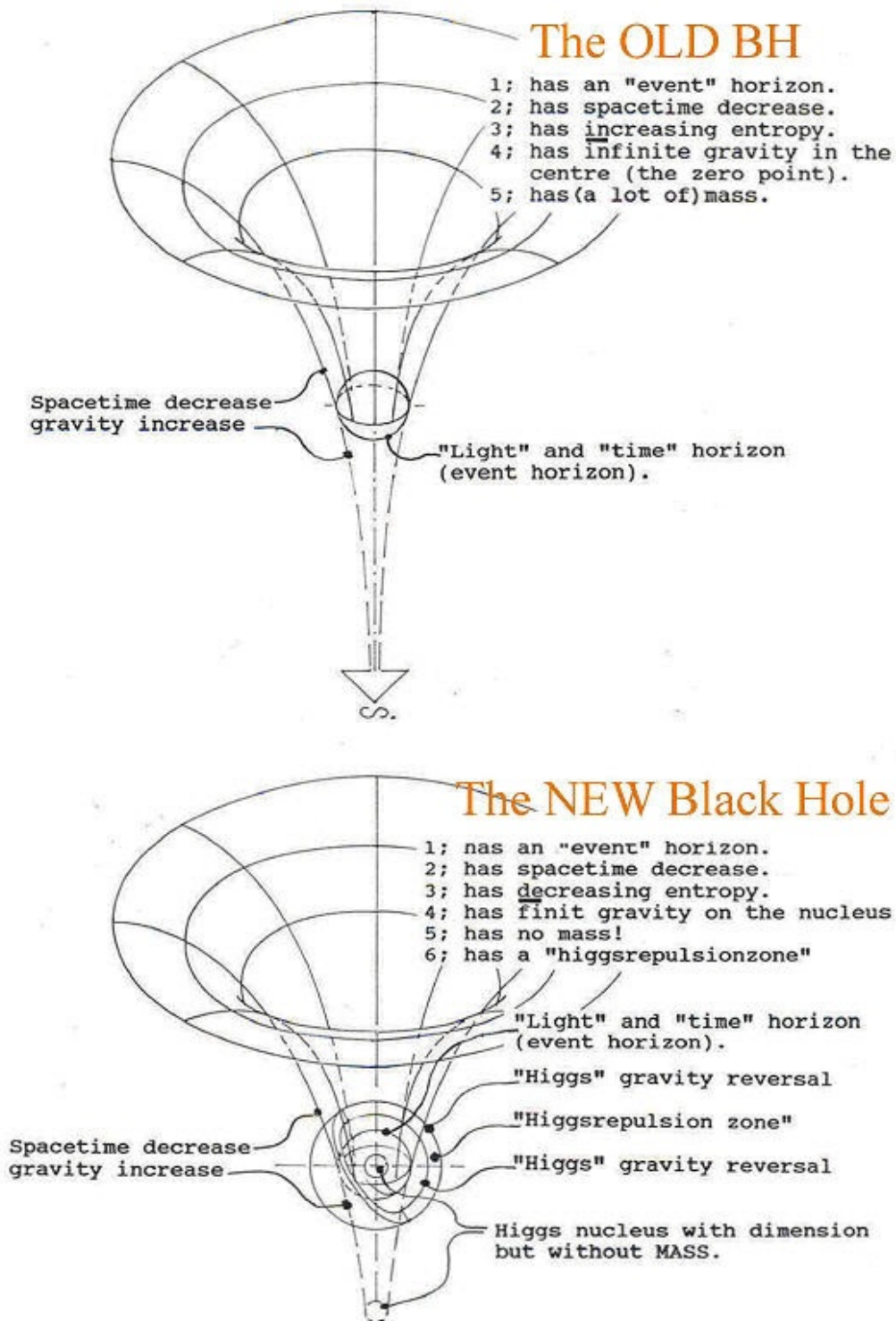
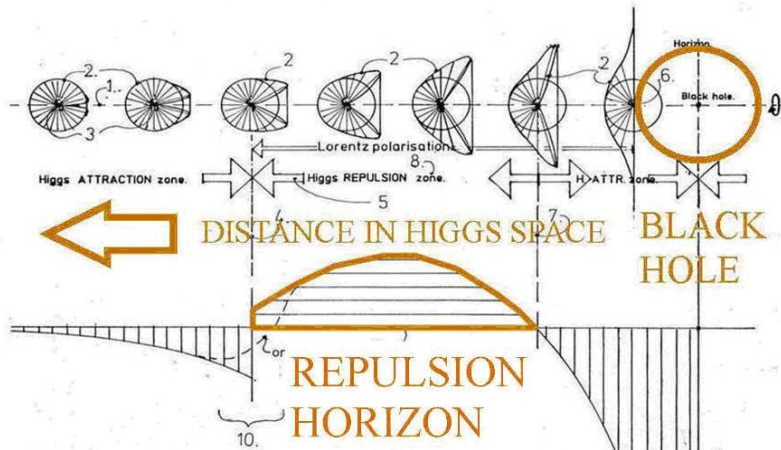


Figure 7, The difference between the old and new paradigm Black hole according to Quantum FFF Theory .

# The Fermion repelling horizon of new black holes



7x Higgs quantum curves (2) are depicted for Fermions (3) with different distance to the BH horizon. 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..

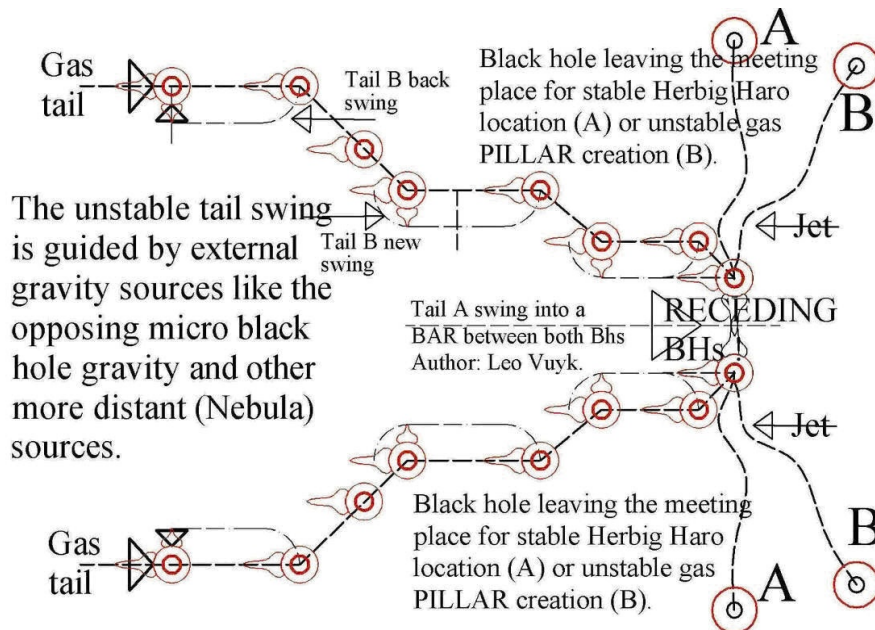
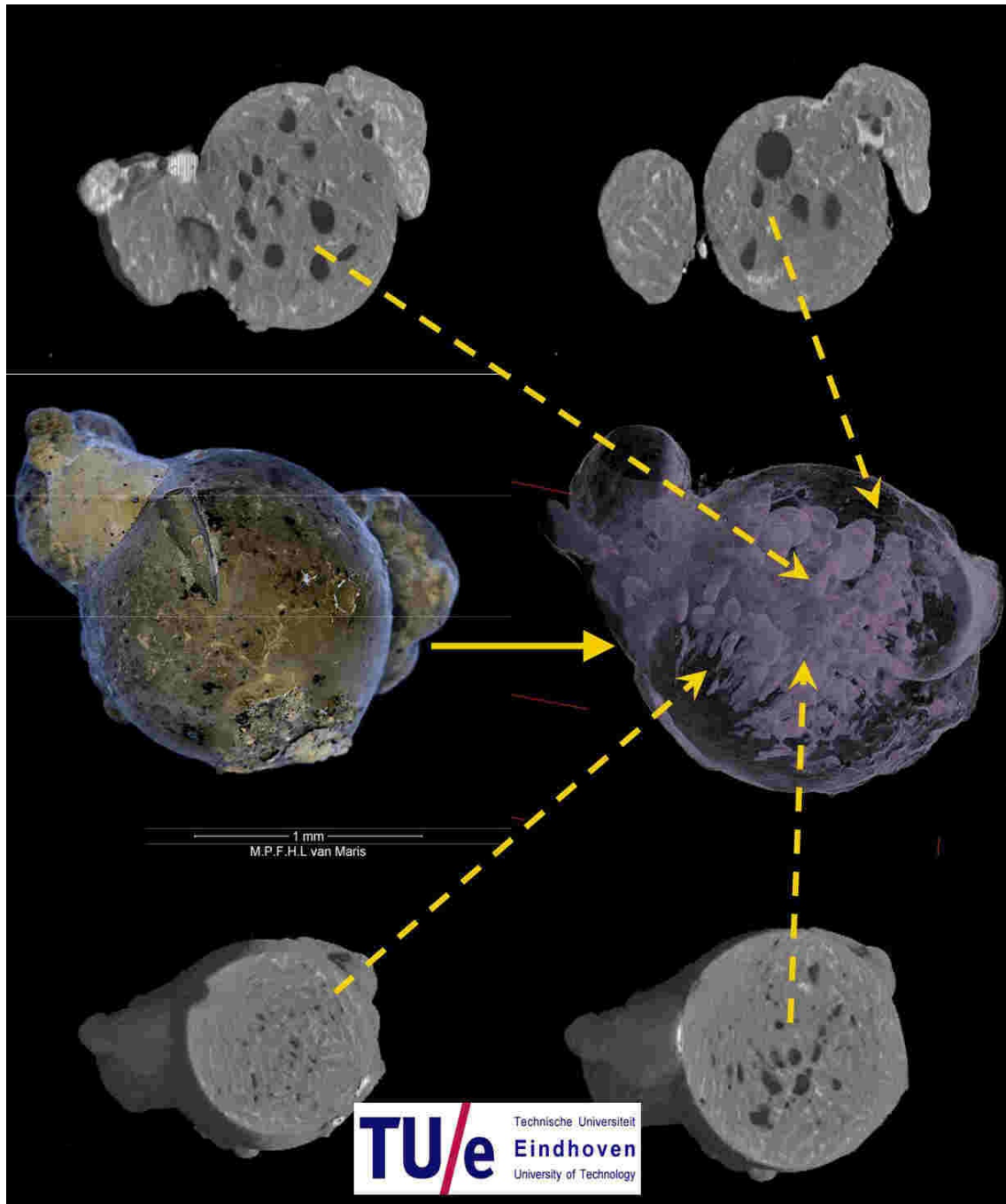


Figure 9, New Black hole propulsion principle by a self produced plasma-dust tail, also responsible for dust Pillar creation and the pairing and spitting effect as observed in nebula like the Eagle and Carina nebula.





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)

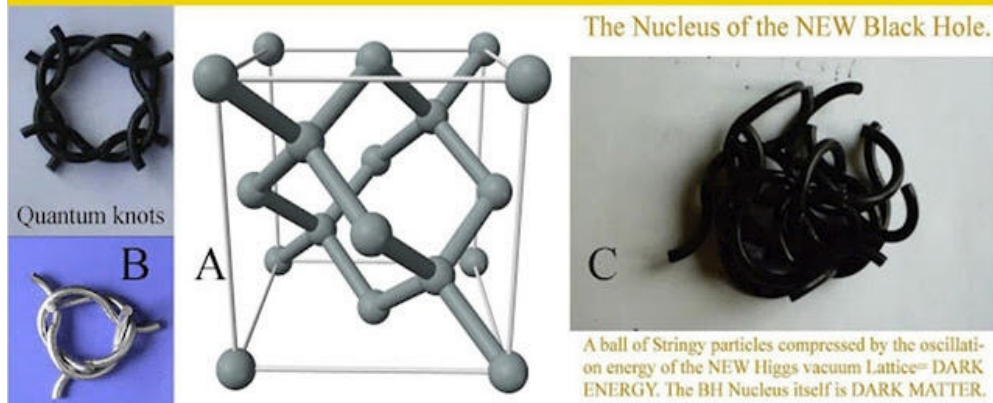


Figure 11, The geometric atomic silicon structure seems to be responsible for Quantum Knots formation inside Silicon wafers after strong RF current heating.

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.

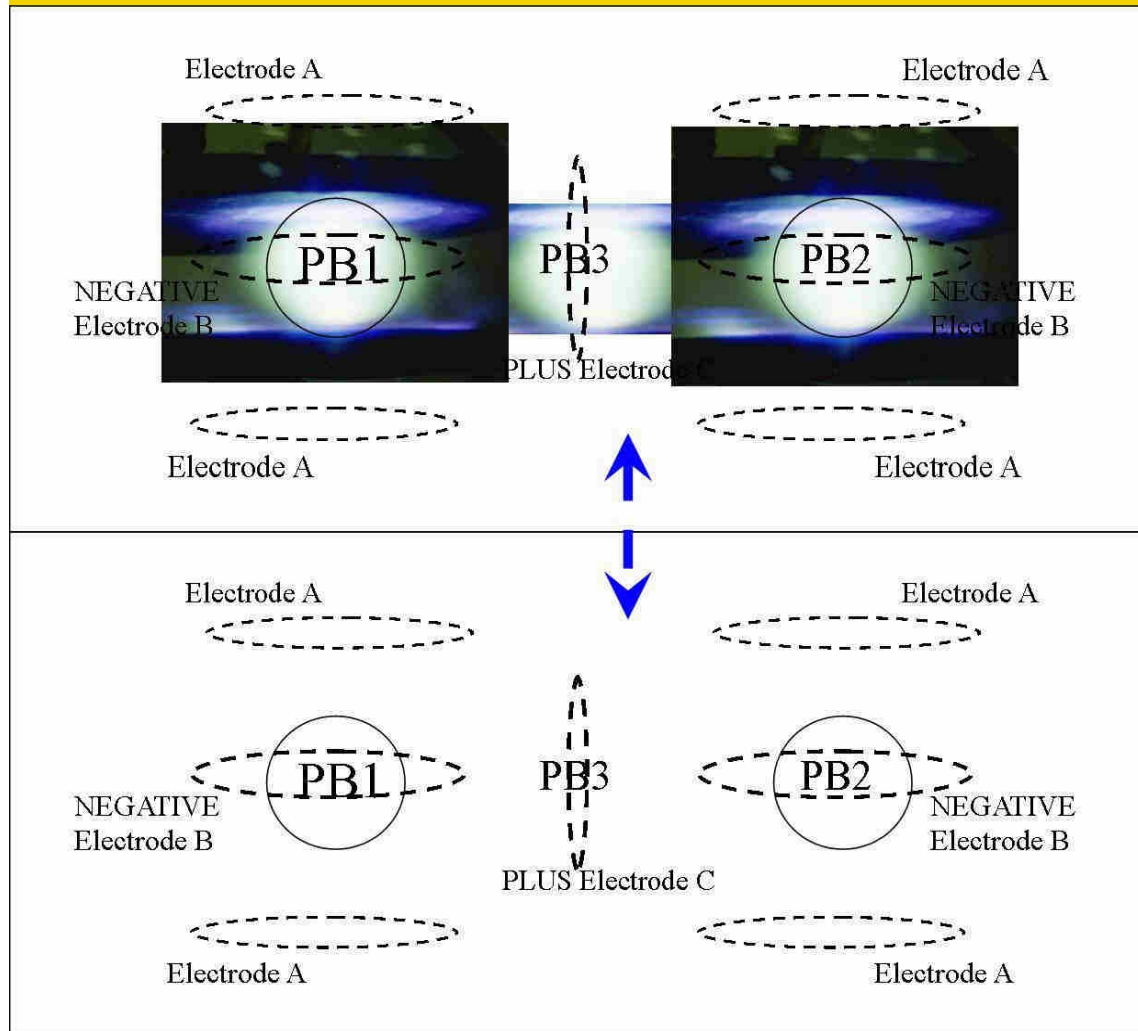


The first recent (2013) experiment of David Lapoint (images above) can be compared with the older experiment of Kiril Chukanov. (below)



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.**

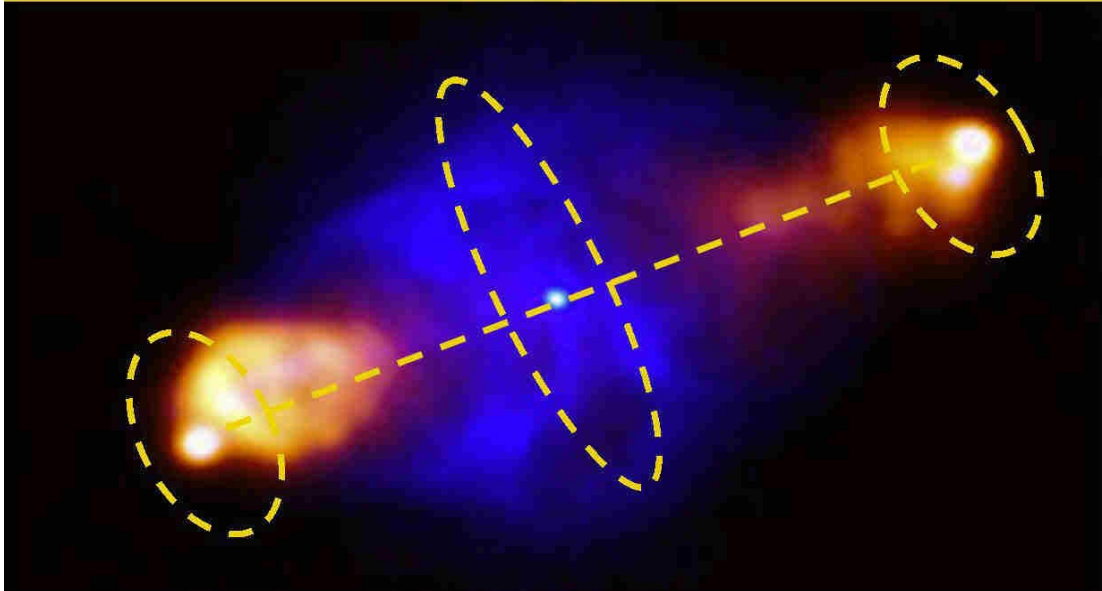


Two negative charged plasma Balls (PB1,PB2) are created by Radio Frequency currents between 4x Electrodes (A). However according to Quantum FFF theory, the plasma balls will generate a THIRD electric inverse (positive charged) Plasma Ball (PB3) in between creating an electric potential as is observed 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.

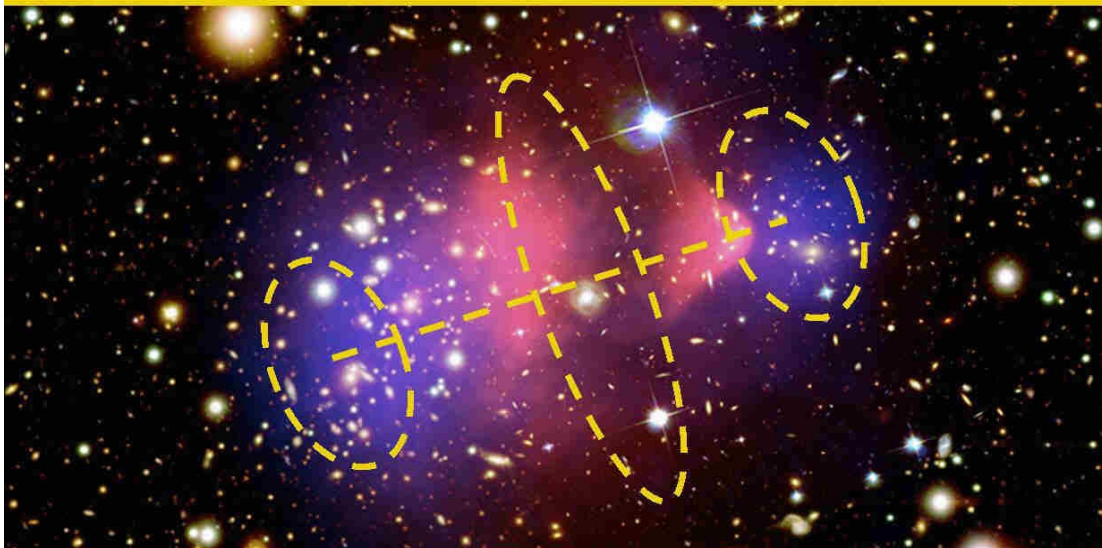


Figure 14, Cygnus A is one of the best examples of Birkeland current driven gas concentration between dark matter Galaxy Anchor Black Holes (GaBHs) (fig 5) . However even between the dark matter black hole concentration of TWO Galaxy clusters, there seem to be Birkeland current based hot gas concentrations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



## **New Physics by the architecture of Quantum FFF (Function Follows Form) Theory. (Ref. 22)**

### **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 (125 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.

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 H<sub>2</sub> production and annihilation radiation created by pair production of positrons and electrons. (Instability of the Higgs field)

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