

# **Black Hole Creation and Destruction of the Cyclic Conscious Multiverse.**

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## **Abstract,**

Quantum FFF Theory, is based on a new string particle model called “rigid transformable string”, which is able to generate topologies of all possible sub quantum particles, needed to fill a supersymmetric standard model and beyond.

The mother particle is called “Axion Higgs” and has the form of a ring, able to rotate internally by three hinges into electron and positron propeller shapes, into 1x Graviton, 5x monopole Photons or Gluons and 6x Neutrinos.

The Axion Higgs ring particle is assumed to fill all space with an oscillating chiral tetrahedral Planck lattice, inside all Universal bubbles of the raspberry shaped multiverse.

Most Leptons and Quarks are assumed to be complex knots of one or more propeller electron/positrons combined with one or more Gluon/Photons.

Black hole nuclei are assumed to be complex particle knots with the 123.5 to 375 GeV Higgs bosons as unstable base adding up to stable nuclei of Super Massive Black Holes located in the Galaxy centers and at the end adding up to the Big Crunch black hole nucleus.

At all black hole horizon shell, the oscillating Axion Higgs vacuum is forced by collision to create Electron Positron pairs. The chirality of the vacuum lattice seems to be the origin of the natural creation of positive charged Quark knots leaving the negative singular Electrons apart in an external shell, which is assumed to be the reason that all black holes ( inside our material universe) are negative charged.

# Introduction.

This consciousness multiverse theory of everything (TOE) also called Quantum FFF Theory, (FFF = Function Follows Form) is a semi classical theory.

Quantum FFF Theory is a semi classical theory because it describes reality by the real collision and shape transformation processes of real sub quantum rigid stringy fully entangled particles.

Each particle is supposed to be entangled with 8 or 12 CP symmetric particles located inside 8 or 12 universal bubbles at long distance.

Those particles are supposed to be based on only one original transformable ring shaped massless virgin particle called the Axion/Higgs particle assumed to be the product of the symmetric cyclic big bang nucleus as the creation of a limited symmetrical multiverse equipped with an even number of material and anti material universal bubbles.

The Q-FFF theory is called Semi classical because in addition to the ring shaped transformable rigid string particles, all universal bubbles are assumed to be each others Charge Parity (CP) mirror symmetric universal bubbles which are assumed to be instant entangled down to each individual string particle created out of the Axion Higgs splitting cold Big Bang.

The sheer simplicity of such a system is perhaps the reason that I could not find comparable proposals for theories of everything.

According to Quantum FFF Theory, (Function Follows Form at the quantum scale) Mass is the potency of rigid string based Fermions and Bosons, to produce and radiate Gravitons by the collision process, between mass less but energetic oscillating transformable Axion Higgs vacuum field particles and.. more complex shaped compound Fermions or Bosons (W + Z+Higgs family).

Gravity is assumed to be the statistical result of local dual opposing graviton pressure (instead of attraction) with opposing Axion Higgs field particles on fermions.

A recent example of local vacuum pressure duality is called "Dipole Repeller" gravity by Yehuda Hoffman also suggested partly in line as Emergent Gravity by E. Verlinde.

More extended loops or "arms" of each rigid string particle is supposed to create more Axion transformation into Gravitons photons per Planck time unit.

Secondly, gravitons are assumed to exert not an attraction force on fermions and bosons but only a reduced pressure force in opposition to the vacuum pressure of the Axion Higgs field..

Black holes do not radiate gravitons but "eat" the local vacuum particles leading to a single repeller effect on the growing Black hole nucleus.

The ring shaped Axion Higgs field particles are supposed to oscillate in tandem (as the boxer engine pistons) along each vacuum lattice with the local Planck length and transfer information of monopole photons through the whole universe as long as they do not collide with fermions or bosons.

The new physics black hole nucleus is represented as a compact quantum knot of Axion Higgs particles, compressed together by the inflow of vacuum particles.

As a consequence the incoming Axion Higgs field pressure is the only origin of the Gravity pressure effect around each black hole nucleus .

In Quantum FFF Theory, the inertial mass effects of the earth and all atomic fermions is supposed to be originated by the real Lorentz polarization of all fermionic mass of the earth mainly pointing into the direction of motion around the sun, as the opposing effort for the resisting vacuum.

Rigid string shaped Fermions are assumed to have a real propeller shape able to plow into the direction of motion through the local space time creating vacuum lattice.

Bosons without a propeller shape ( Higgs and Z ) including black hole nuclei, seem to be not able to polarize and will present signals to be "stuck" in the local solar centered vacuum lattice.

According to Quantum FFF Theory, the new black hole nucleus is represented as a bunch of rigid string particles compressed by the oscillating Axion Higgs field vacuum particles.

All Fermions should be repelled at a new physics Black Hole (BH) repelling horizon which is supposed to have concentric globular shells of positive (inside) or negative charge (outside)

As a result, each black hole is assumed to have a globular shell of positron and proton based plasma at the inside and a negative electron based plasma shell outside this positive shell. If we include the existence of small interference black holes (or Quantum Knots or WIMPs) then Ball lightning and micro comets ( including Comets and sunspots) are to be explained as micro black holes violating also the second law of thermodynamics.

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 consequence of the quantum gravity difference on fermions and black hole nuclei, the new splitting, accelerating and pairing massless black hole, is able to convert vacuum energy (ZPE) into real energy by entropy decrease. This explains quick Galaxy- and Star formation, down to Sunspots, (Micro) Comets, Lightning bolts, Sprites and Elves, Sprite Fireballs and Ball Lightning according to quantum.

In Quantum FFF Theory, the inertial mass effects of the earth is supposed to be originated by the real Lorentz polarization of all fermionic mass of the earth, on average pointing into the direction of motion around the sun, as the opposing effort for the resisting vacuum.

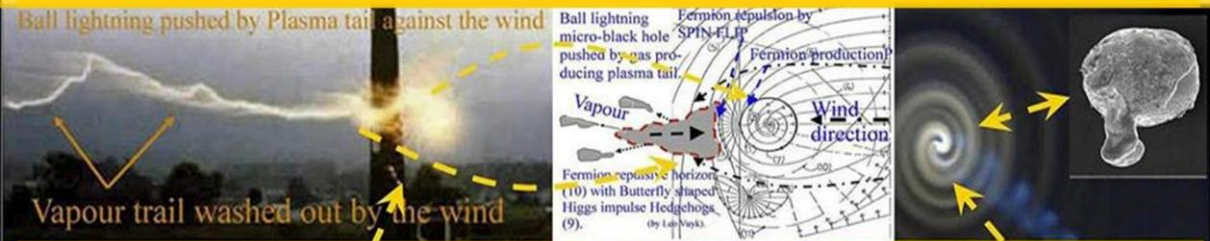
Conclusion some Bosons (Higgs and Z particles) seem to be not able to polarize and will present signals to be more or less "stuck" in the local solar centered vacuum lattice.

The LHC could perhaps be able to show this anti inertial mass effect created by the solar reference frame also called solar LASOF ( Local Oscillating vacuum Frame, ( ref. 53.)

Secondly, Dark matter concentrations "stuck" in the middle of merger galaxies clusters is also supposed to be a smoking gun for non- inertial mass of dark matter black holes..


Emergent gravity as proposed by E.Verlinde and Dipole Rrepeller gravity by Yehuda Hoffman, ( fig 28) are in line with dual rigid string pressure gravity on fermions and bosons.

Stable Micro Comets, Ball Lightning and WIMPs are the future solution for our CO2 problem, by electric vacuum energy production technology. [http://vixra.org/author/leo\\_vuyk](http://vixra.org/author/leo_vuyk)  
 See: Artificial Ball Lightning production and exploitation device for Zero Point Electric Energy usage. <http://vixra.org/pdf/1108.0036v6.pdf> and <http://vixra.org/pdf/1404.0151v1.pdf>



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

Self propelled Ball Lightning-Micro Comets. What is wrong with Physics?



Micro Comets (micro black holes)

- 1: Gravity is a dual Pressure Force.
- 2: The Vacuum has resistance for ALL motion.
- 3: Black Holes Repel ALL Fermions.
- 4: The Raspberry Multiverse has 8 or 12 symmetric anti- copy universes, which is the origin of uncertainty, Human Consciousness and Inertia !

.Figure 1, Charged Plasma creation by Pair production of Axion Higgs field collision at Ball Lightning/ black hole horizons.

As a consequence, in Quantum FFF Theory photons should be the same as gluons and gluons become photons after collision with local fermions ( atomic fermions) or after 1cm distance being absorbed by the local vacuum.

As a result, I suggest that many “elementary” (Quarks, Z and W) particles should not be elementary, but compound constructions or KNOTS of transformed A-Higgs particles.

Even the Muon and Tau Lepton should be compound particles having the same shape as one of the different colored “naked” Down- respectively Charm Quarks.

Thus, Muon- and Tau particles are supposed to be naked Quarks!

Recent LHC ( Large Hadron Collider) results are telling us that so called di-Higgs resonances lead to a variety of Higgs masses.

In Quantum FFF Theory however the real building block of the universe should be only the Axion-Higgs vacuum particle without any mass.

Thus so called Higgs resonances are supposed to be the result of compound rigid string knots, such as Z Z WW knots based on electron positron strings ore combinations of three or four photon knots or -Photonic Molecules- as the result of photonic interference. (Figure 1 and 27)

## **Non local realism and massless vacuum Axion-Higgs in the multiverse.**

Quantum FFF Theory is based on Non-Local Realism and rigid stringy Axion-Higgs particles able to mutate into all other particles.

The CP(T)-symmetrical raspberry shaped multiverse (with 8-12 berries) is non local instant connected down to each quantum. Each quantum can be visualized as a deformed Higgs ring able to convert into other shapes and able to form compound structures like quarks, muons or even Tau leptons. So realism (cogwheels) connected by symmetric non-local instant entanglement.

## **The basic elements:**

- 1: Black holes (BHs) are the same as Dark Matter, they all consume photons, even gravitons and the Axion-Higgs field, ( for short: Higgs field) but REPEL Fermions due to their propeller shape polarization away from the BH. They produce electric charged plasma.
- 2: Dark Energy is the oscillating ( Casimir) energy of the massless Axion-Higgs Field equipped with a tetrahedron lattice structure with variable Planck length around black holes..
- 3: Quantum Gravity = Dual Push gravity= Attraction (Higgs-Casimir opposing Graviton push).
- 4: The Big Bang is a Splitting dark matter Big Bang Black Hole (BBBH), splitting into smaller Primordial Big Bang Splinters (PBBS) forming the Fractal Lyman Alpha forest and evaporating partly into a zero mass energetic oscillating Higgs particle based Higgs field.
- 5: Dual PBBSs hotspots, produce central plasma concentration in electric Herbig Haro systems as a base for star formation in open star clusters as a start for Spiral Galaxies.
- 6: Spiral Galaxies will keep both Primordial Dark Matter Black Holes as Galaxy Anchor Black Holes (GABHs) at long distance.
- 7: After Galaxy Merging, these GABHs are the origin of Galaxy- and Magnetic field complexity and distant dwarf galaxies .
- 8: Black Holes produce Plasma direct out of the Higgs field because two rigid massless but mutable Higgs particles are convertible into symmetric electron and positron (or even dual



9: The chirality of the (spiraling) vacuum lattice is the origin our material universe. (propeller shaped positrons merge preferentially first with gluons to form (u) Quarks to form Hydrogen with electrons.

11: ALL Dark Matter Black Holes are supposed to be CHARGE SEPARATORS with internal positive charge and an external globular shell of negative charged Quark electron plasma.

[illegible]

14 Large Primordial Big Bang Splinters (PBBS) are responsible for the creation of the Lyman Alpha forest structure and first spiral galaxy forming of the universe, but they seem to be also responsible for the implosion of the universe at the end in the form of Galaxy Anchor Black Holes (GABHs) located mainly outside galaxies. see: (Quasisoft Chandra sources)

16, If our material universes has a chiral left handed oscillating Higgs field, then our material Right Handed DNA helix molecule could be explained.

According to Max Tegmark: in an entangled multiverse we may ask: is there COPY PERSON over there, who is reading the same lines as I do?

If this COPY person is indeed living over there, then even our consciousness should be shared in a sort of entangled DEMOCRATIC form.

Then we are not alone with our thoughts and doubts,

See also: “Democratic Free Will and Telepathy in the Instant Entangled Multiverse.”

<http://vixra.org/pdf/1612.0026v3.pdf>

17, All particles and waves should be entangled with anti-copy particles and Higgs field based waves in our opposing anti universes.

Then wave particle duality and the so called one particle double slit interference could be explained by accepting that real shaped 3D photon particles only exist in their function of Gluons. However Gluons should transfer form information to the oscillating luminiferous Higgs field ether, within about 1 cm distance from a Fermion.(see: Babcock and Bergman anomaly,1964)

18, Different elementary particles have different qualities by their different complex stringy shape. Leptons and Quarks have a propeller shape with left or right handed pitch creating charge difference. Gluons, Photons and Neutrino particles have no pitch.

20 All particles can be converted to one or more Higgs particles, Lepto Quarks are also compound particles with an exception for the electron and positron..

21 All particles are assumed to be present as Axion-Higgs particles already in the cyclic Big Bang Black Hole (BBBH) after the former multiverse has collapsed into a Big Crunch Black Hole.

22, We seem to live inside one material universal bubble of an instant entangled (Charge Parity Time) CPT symmetric raspberry bubble multiverse. Each quantum jump or wave

function collapse or human choice is guided by this instant entanglement at long distant.

If our material universes has a chiral oscillating Higgs field, then our material Right Handed DNA helix molecule could be explained.

However it also suggests that in our opposing ANTI-MATERIAL multiverse neighbour universe the DNA helix should have a LEFT HANDED spiral.

According to Max Tegmark: in an entangled multiverse we may ask: is there COPY PERSON over there, who is reading the same lines as I do?

If this COPY person is indeed living over there, then even our consciousness should be shared in a sort of DEMOCRATIC form,

Then we are not alone with our thoughts and doubts, see:

Democratic Free Will in the instant Entangled Multiverse.

Conclusion, Quantum FFF Theory is based on Non-Local Realism. The CP(T)-symmetrical raspberry shaped multiverse (with 8-12 berries) is non local instant connected down to each quantum. Each quantum can be visualized as a deformed Axion-Higgs ring able to convert into other shapes and able to form compound structures like quarks, muons or even Tau leptons. So realism (cogwheels) connected by symmetric non-local instant entanglement.

[vixra.org/pdf/1401.0071v2.pdf](http://vixra.org/pdf/1401.0071v2.pdf)

## 5x historic references.

It was **Abdus Salam** who proposed that quarks and leptons should have a sub-quantum level structure, and that they are compound hardrock particles with a specific non-zero sized form.

**Jean Paul Vigier** postulated that quarks and leptons are "pushed around" by an energetic sea of vacuum particles.

**David Bohm** suggested in contrast with The "Copenhagen interpretation", that reality is not created by the eye of the human observer, and second: elementary particles should be "guided by a pilot wave". ( in my Quantum-FFF Theory translated into: multi universal instant entanglement between CP symmetric mirror strings) (figure 2).

**John Bell** argued that the motion of mass related to the surrounding vacuum reference frame, should originate real "Lorentz-transformations", and also real relativistic measurable contraction.

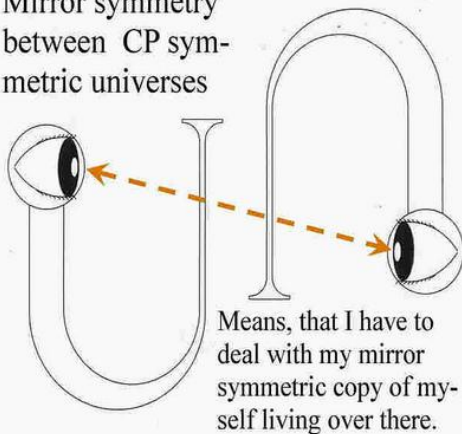
**Richard Feynman** postulated the idea of an all pervading energetic quantum vacuum. He rejected it, because it should originate resistance for every mass in motion, relative to the reference frame of the quantum vacuum.

However, I postulate the strange and counter intuitive possibility, that this resistance for mass in motion, can be compensated, if we combine the ideas of Vigier, Bell, Bohm and Salam, and a new dual universal Bohmian "pilot wave", which is interpreted as the EPR correlation (or Big Bang entanglement) between individual elementary anti-mirror particles, living in dual universes.

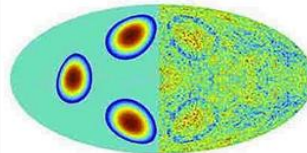
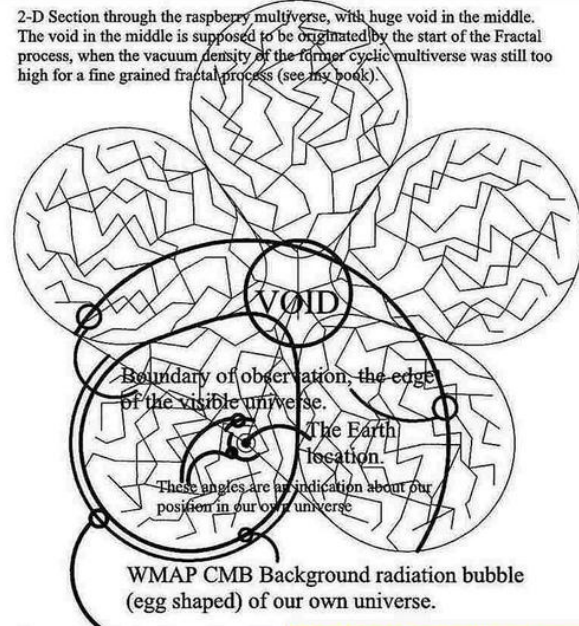
# The Wavefunction collapse in the (CP symmetric) raspberry multiverse by the entangled observation between (anti) copy particles

According to Quantum FFF Theory, the collapse of the wavefunction is assumed to be triggered by particle collisions with instant entanglement between (anti-) COPY universes. So there is Charge and Parity symmetry between the entangled particles living in opposing universes. Each particle is its own observer!! Each human has to deal with one or more opposing anti-COPY humans.

Mirror symmetry between CP symmetric universes



2-D Section through the raspberry multiverse, with huge void in the middle. The void in the middle is supposed to be originated by the start of the Fractal process, when the vacuum density of the former cyclic multiverse was still too high for a fine grained fractal process (see my book).



The Dodecahedron Raspberry Multiverse with a 5-fold neighbour Low Variance contact structure lead to a Golden Ratio (Phi) in every single universe according to Quantum FFF Theory ( Function Follows Form)

**Figure 2, wavefunction collapse between CP symmetric mirror particles by instant entanglement between multi universal bubbles located around the Big Bang central void.**

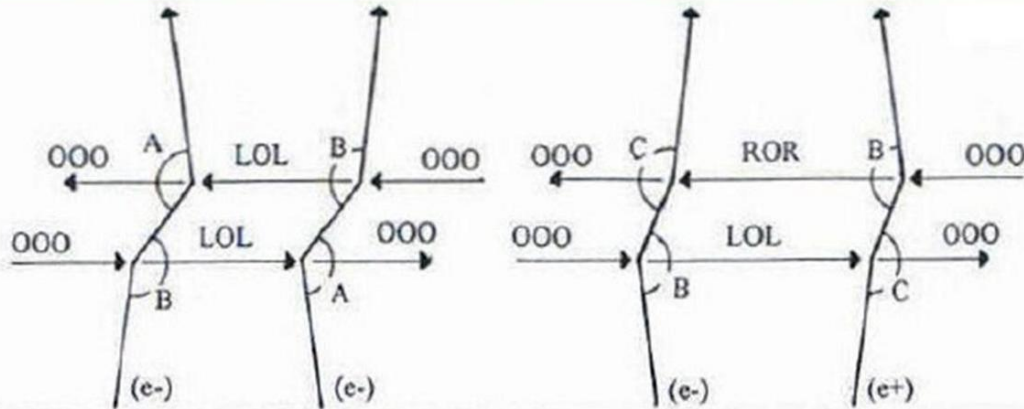
See also: "Democratic Free Will and Telepathy in the Instant Entangled Multiverse."

<http://vixra.org/pdf/1612.0026v3.pdf>

# Feynman for Di-Monopole Repeller Forces

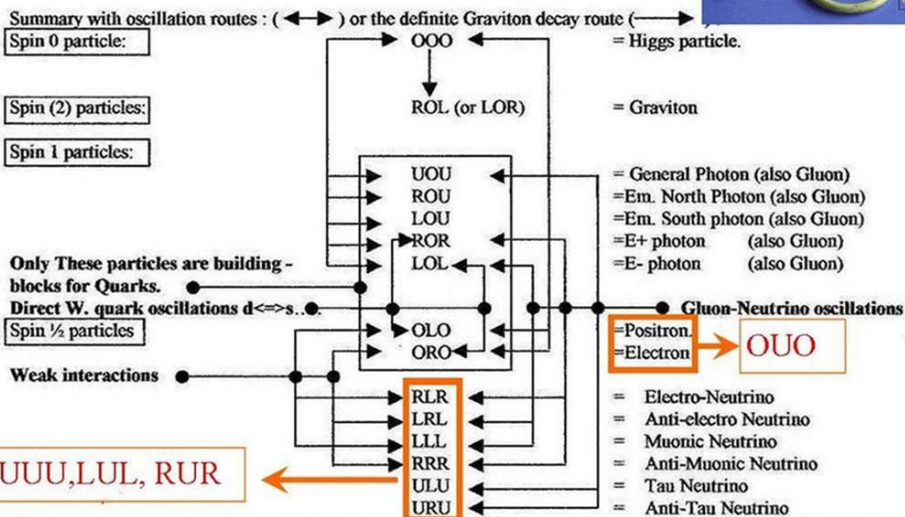
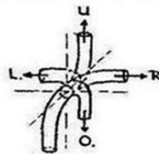
Attraction and Repulsion forces created by Dipole Repeller effects between the Higgs Field vacuum (OOO) and 5x opposing Photons. ( UOU, ROU, LOU, ROR, LOL)

According to Quantum FFF Theory. Feynman diagrams



( Above) Alternative Feynman diagrams for electron-positron attraction and electron-electron repulsion by Dipole Repeller system.

Explanation of the codes:  
 U= Up rotation (180 degrees)  
 O= Unchanged circle.  
 L= Left rotation (90 degrees)  
 R= Right rotation (90 degrees)



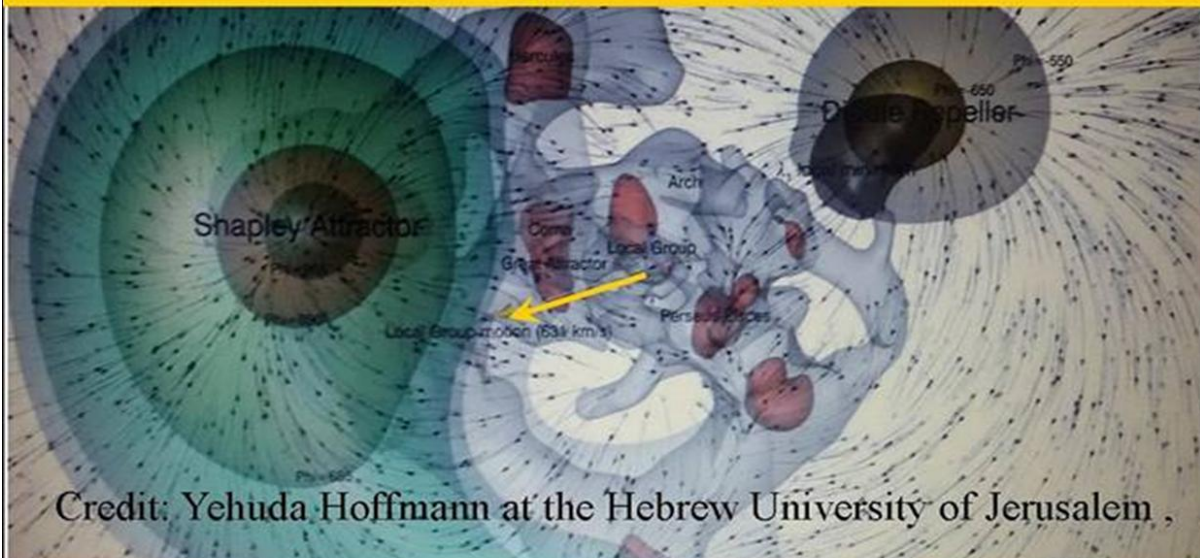
Higgs particles are supposed to oscillate in Tandem along so called linear Vacuum Lattices, two by two in opposite directions, as the symmetrical opposite pistons of a boxer engine, as the origin of all energy, spin and mass effects. This enables the Tandem Higgs particles to change the form of their own Torus into an Electron and Positron pair at

Figure 3. Feynman diagrams for di-monopole repeller forces. 5x monopole photons are also Gluons for the Strong Force.



# Entropic or Emergent Gravity and Dipole Repeller Gravity seem to be Opposing Repeller Gravity of Axion Higgs field and Graviton pressure information.

According to Quantum FFF Theory, empty space is filled with a fast oscillating lattice of massless Axion-Higgs field particles as a half base for our opposing dipole pressure Higgs-graviton gravity on earth. Now prof. Yehuda Hoffman shows us a support for this hypothesis.



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

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

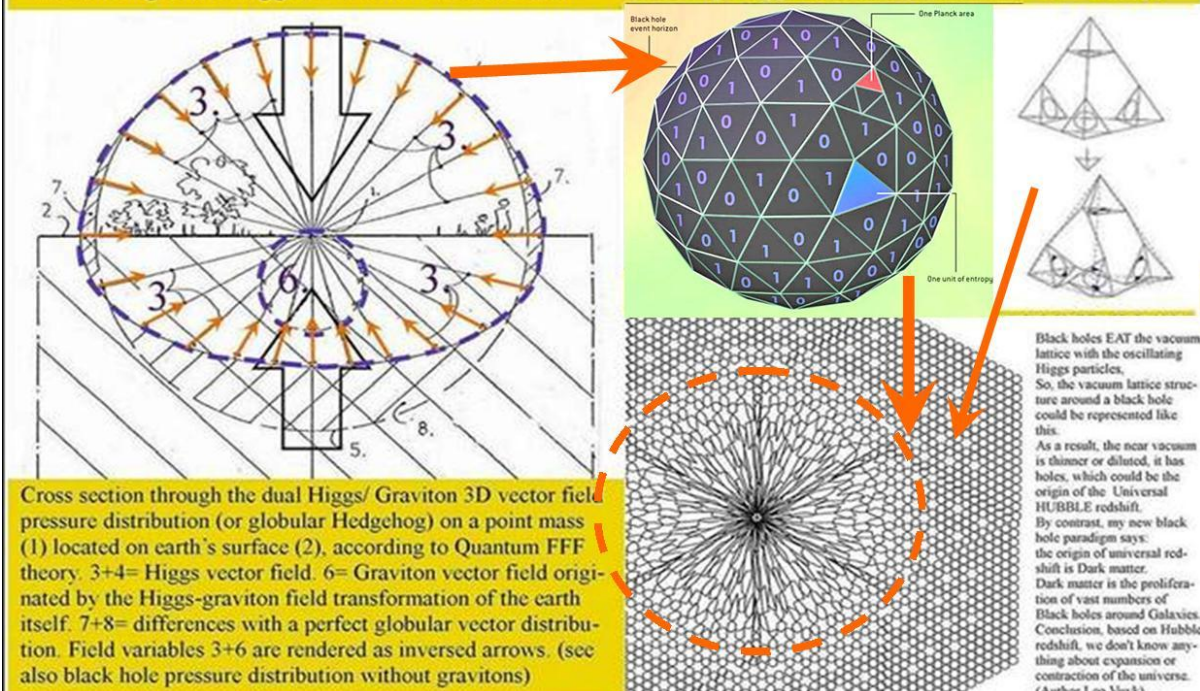


Figure 4. Di-monopole repeller gravity and or entropic emergent gravity combined. Yehuda Hoffmann and Erik Verlinde.



# Black hole mass related merger dynamics.

6000 small S-Nova black holes in the Milky Way center (green spots below) is a support for the BH family distribution according to Quantum FFF Theory. (see right below). However Abell 520 cluster seems to centralize massive 1e and 2e Galaxy Anchor BHs (GABHs) in a DM core after merging of three clusters. (below left).

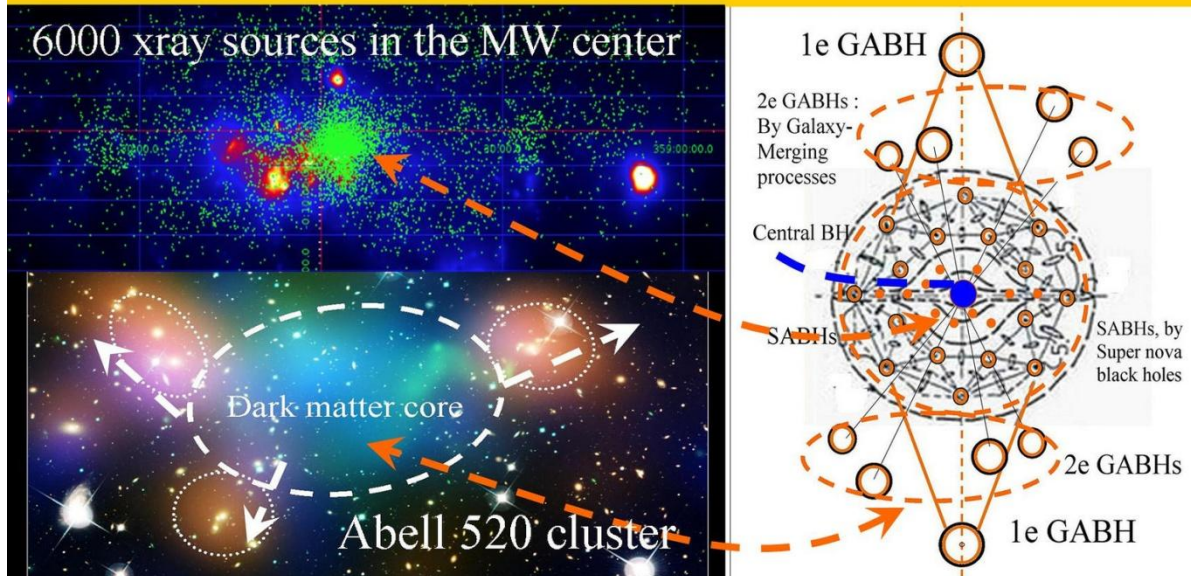
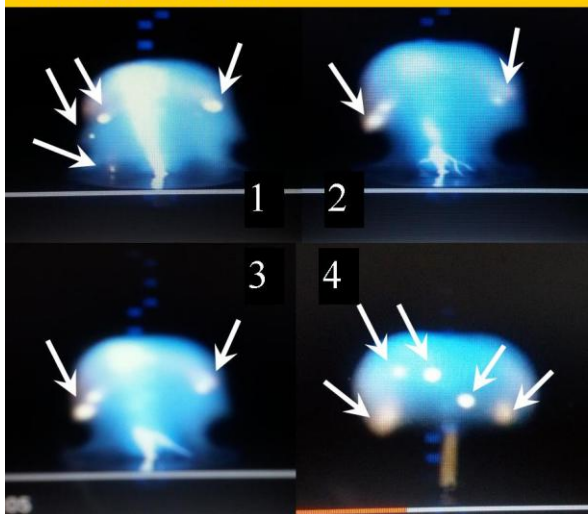


Figure 5, Merger dynamics of NON inertial Dark Matter black holes left behind after merging in the middle.

## Examples of evaporating Photonic Molecules or Quantum Knots or Ball Lightning or Micro Comets .

Kugelblitz - hochaufgelöst / Ball lightning in high resolution.  
Max-Planck-Institut für Plasmaphysik (youtube 2014)  
As shown by the high-speed camera, first a surface discharge with thread-like plasma structures is generated.  
As is typical of hot gases rising, this changes into a mushroom-like form and finally into a luminescent cloud. After about three blinks of an eyelash or 0.5 seconds the plasma vanishes. For further particulars:  
<http://www.ipp.mpg.de/91559/kugelblitz>



The creation of MICRO-Electric Dark Matter Black Holes (quantum knots, falling down) by magnetic lightning interference, according to Quantum FFF Theory.

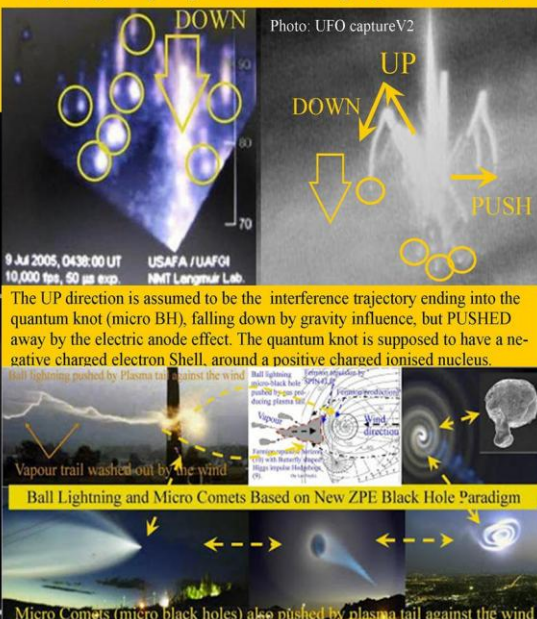


Figure 6, Microscopic Black Holes on Earth.



## Rigid String based information building blocks with Fermion Calabi Yaw propellers (right) and Boson non propellers (left)

Rigid String Quantum Knot suggestions for different configuration: 125-375-500-750-1600 GeV and More called dark matter black holes.

(According to Quantum FFF Theory architecture)

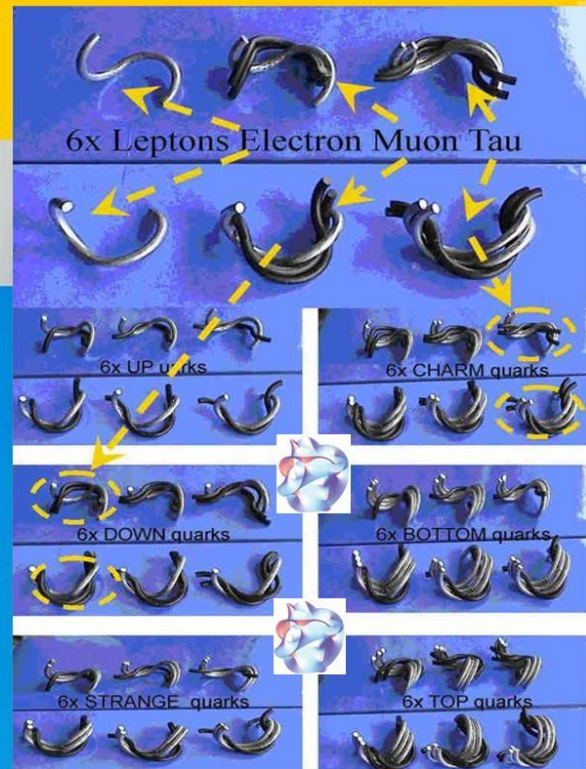


$125\text{GeV} + 375\text{GeV} = 500\text{GeV}$  And More

500GeV

$375\text{GeV} + 375\text{GeV} = 750\text{GeV}$

$2 \times 750\text{GeV} + 125 = 1625\text{GeV}$



## Pair production by Axion Higgs Field particle collision at black hole horizons (Q-FFF Theory)

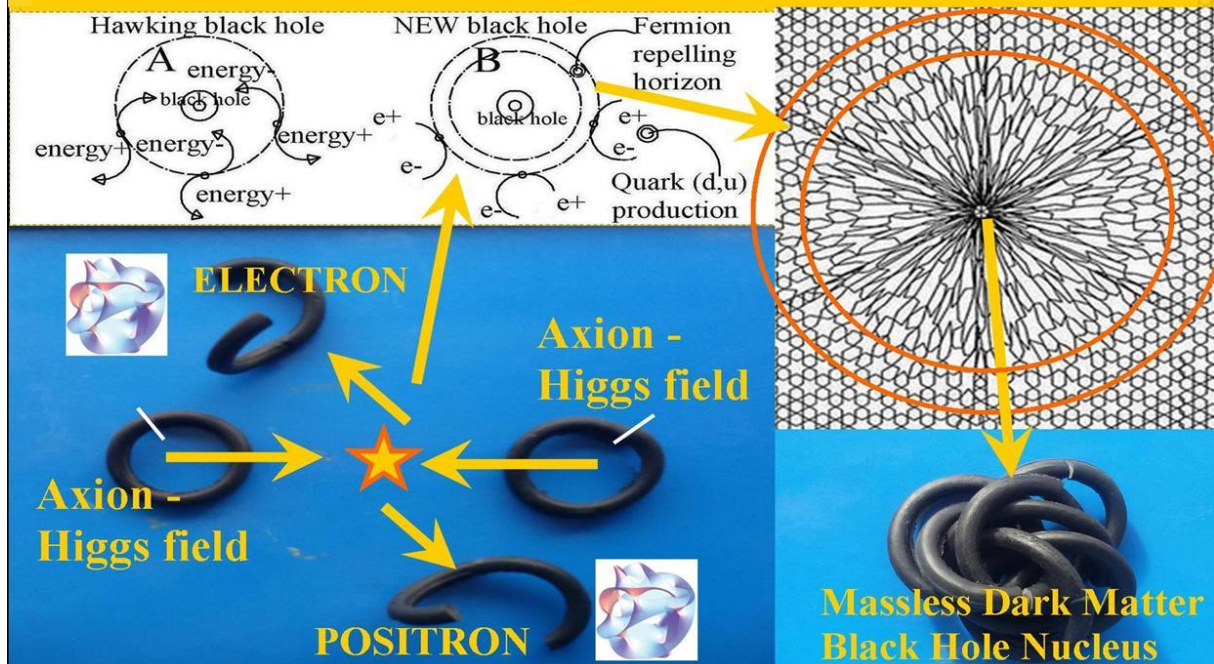
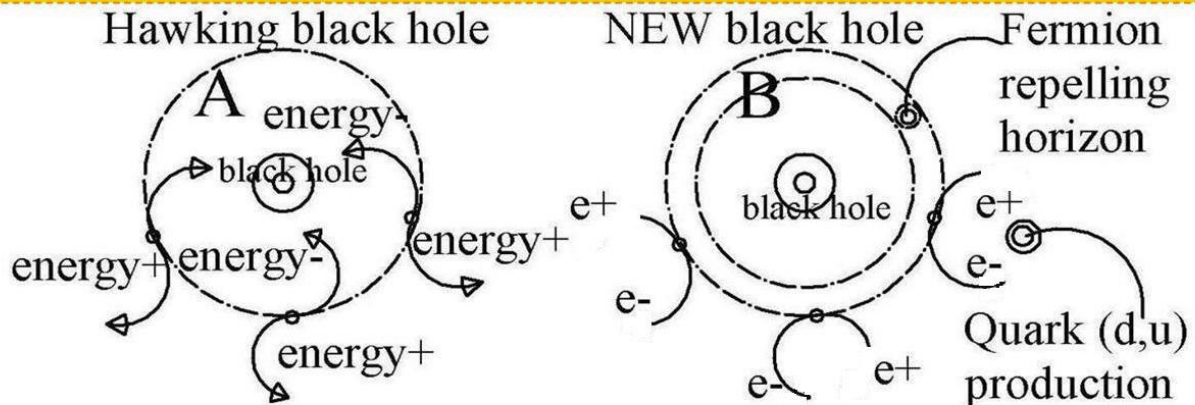


Figure 7, Fermionic propeller shaped Quantum Knots (high up right) and Higgs Boson family based Quantum Knot-Black Hole (high up, left) and pair production around black holes.



# No Fermion Information Loss in Black Holes by Fermion Repelling Horizon.



According to Quantum FFF Theory, there is no fermion information loss, only photonic information loss in a black hole. Quantum fluctuations around the BH horizon produce pairs of leptons.  $e^-$ ,  $e^+$  and even compound quarks (d,u, etc, see Fermion 3D string propeller theory: Fermion repelling by spin flip). For tripple BH horizons see image nrs 7, 10 and 11. Event horizon=7, Inner photon ring = 10, Outer photon ring = 11. Conclusion The Big Bang did not produce instantly all the Fermions in the universes. Even now lots of Fermions are produced by all BHs even the largest primordial Big bang splinters located outside large galaxies. see also: <<http://vixra.org/abs/1410.0039>

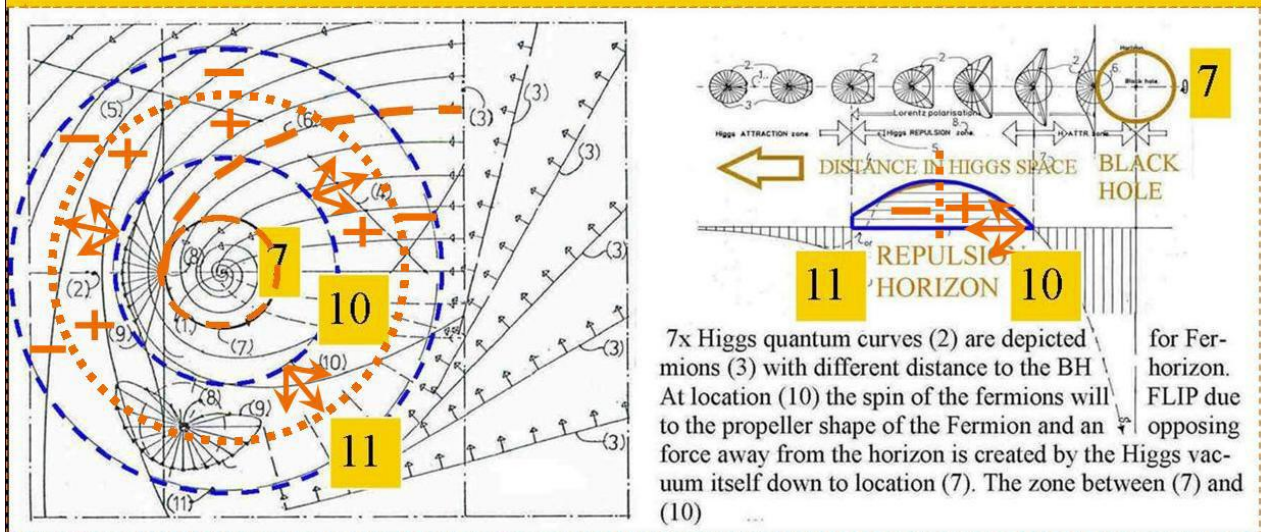
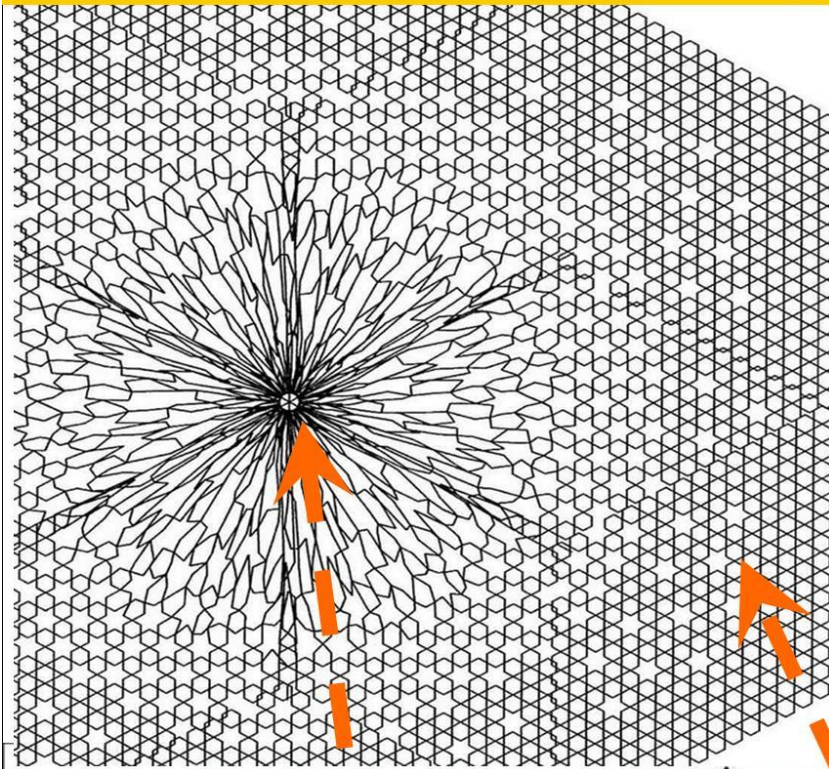


Figure 8, Electric Dark Matter Black Holes (EDMBHs) have a Fermion repelling horizon and are negative charged in our part of the multiverse.



# Black Hole Nucleus is a Quantum Knot, evaporate or eat the local Axion-Higgs vacuum if it has large enough scale, ( Quantum FFF Theory)



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)

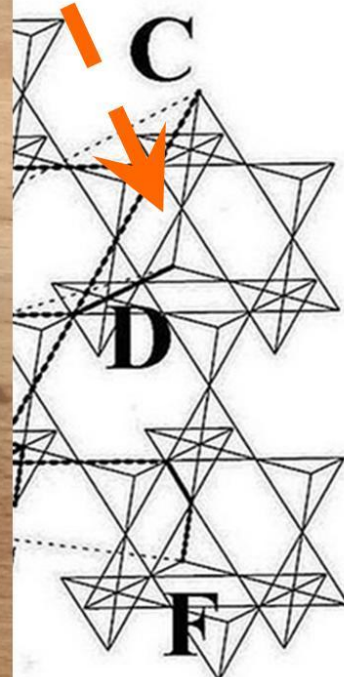


Figure 9, A stable black hole nucleus is large enough to "eat" the vacuum particles and grow by it.



“One of the big mysteries of this object (B1509 “The hands of God”) is whether the pulsar Fermion particles are interacting with the material in a specific way to make it look like a hand ( NASA)

In this paper I support the idea that the orange x-ray elements of B1509) represent a ring of star spot black holes ejected from the exploding star

The micro black hole ring looks as hotspots accelerating away, with the white Pulsar (white) far relocated by the different quantum vacuum gravity effects on Fermion matter and Black hole nuclear matter, assumed to be a bunch of Higgs string particles with resistance in space for motion through the oscillating vacuum lattice.

In Quantum FFF Theory, (Function Follows Form) black hole nuclei are assumed to be a bunch of massless rigid strings compressed by the surrounding oscillating Axion-Higgs vacuum lattice. Fermion mass however is assumed to be created by the ongoing interaction with the same surrounding oscillating vacuum lattice including the collision production of photon/gluons and gravitons. Black hole nuclei can move through the vacuum lattice only by the deformation of its horizon system by horizon deforming and repelled plasma tails observed in so called Tadpoles, often found inside nebula.

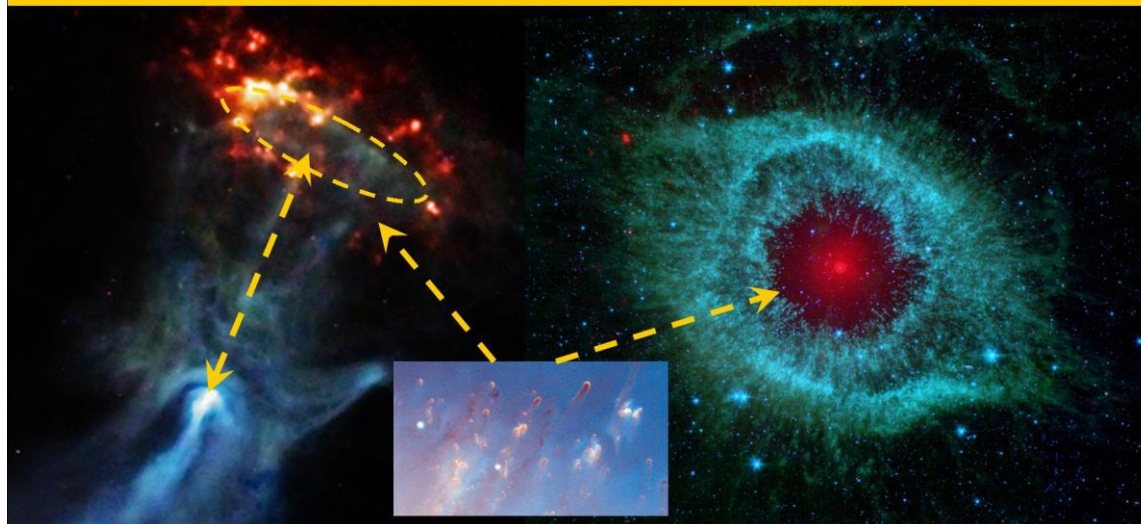
Fermionic mass like neutrons however feel the gravitational influence of the local vacuum lattice polarization and graviton influence of local Fermionic matter.

In the shape of “the hands of God” ( B1509) we observe a clear relocation of the central Fermionic Neutron star ( white) and the ejected elliptic star spot black hole system (orange).

This in contrast with black hole supernovas where we observe often a symmetric ring or globular shell nebula around the just formed central black hole.

## PSR B1509-58 Pulsar nova (blue)with exploded ring of Starspot black holes (x-ray, orange)

According to Quantum FFF Theory, (Function Follows Form) sunspots are micro (new physics) Electro Dark Matter Black Holes ( EDM-BHs), also found in the Helix Supernova remnants see below. The central neutron star is clearly shifted out of the center of the of the BH ring, which supports the quantum gravity difference between BHs and Neutron fermionic matter.



**Figure 10, The A-symmetric B 1509-58 nebula , and symmetric Helix nebula as examples of the difference between Fermion and Black hole Quantum Gravity effects.**

## Multiple Horizons created around Supernova Black Holes.

Proposal for the relation between different S-Nova shapes and the external primordial black hole configuration called Herbig Haro hotspot or Stellar Anchor Black Holes (SABHs)

Different Super Nova shapes are created around two star types:  
 A: Stars with distant "dual or quadrupole Stellar Anchor Black Holes" assumed to be located in the center of a former open star cluster. ( SN1987, NGC2440, Crab Nebula)  
 B: stars without SABHs. (SN1572) Our sun is equipped with two sunspot rings assumed to be of type A, with two SABHs, according to Quantum Function Follows Form Theory.

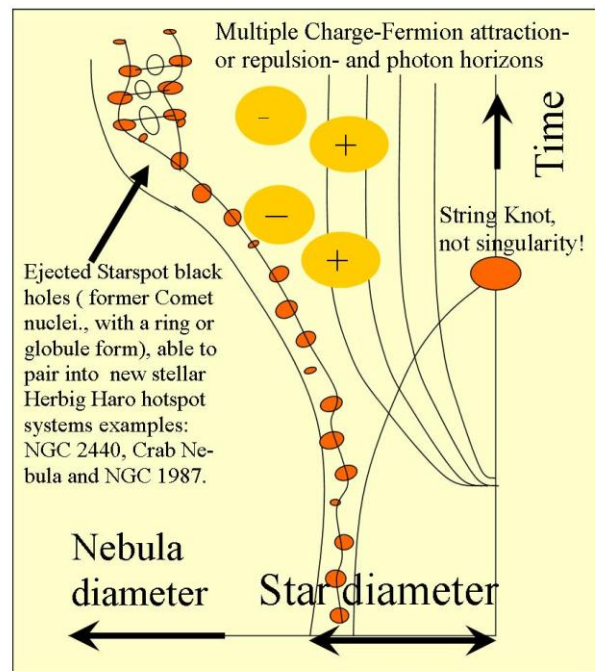
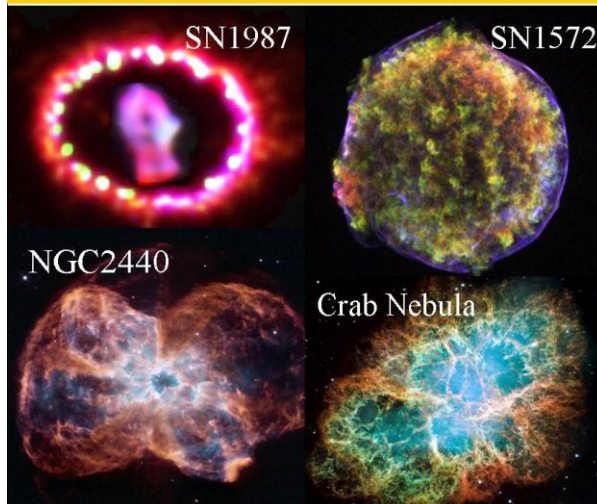


Figure 11, Other examples of Quantum Gravity effects on ejected rings of micro black hole starspots at work in different nebula .

## New physics black holes.

Complex galaxy / star evolution seems to be not only created by galaxy or star merging, but even by central galaxy- and stellar mass black hole chopping into two equal parts to form black hole based Hotspots for Herbig Haro systems or even for Double Radio Galaxies.

This process is supposed to be the consequence of the new physics Electric Dark Matter Black Hole (EDM-BH) principle of Quantum FFF Theory ( Function Follows Forms) and supported by observation of Triple Double Radio Galaxies and even by BH splitting in the Spire Eagle nebula. ( Figure 12)

The EDM-BH is assumed to contain a real particle nucleus of so called Axion-Higgs rigid transformable strings , which are compressed together by the pressure of the oscillation Axion Higgs vacuum lattice. Even the Big Bang nucleus is assumed to contain only compressed Axion Higgs strings which could explode into splinters and dual vacuum particles by the reduced vacuum pressure around the Big Crunch nucleus of a former universe.

There seems to be a EDM- BH Ratio related black hole ability to merge (see LIGO) or split into Equal parts if the dual BH ratio is smaller than a LIGO BH ratio boundary which will be found in the future.

Until now, the smallest LIGO ratio is found to be: 1/ 1.9. (or 0.52: LIGO 2016), however future LIGO results could shift this boundary to lower ratios. (Figure 12)

As a consequence for increasing galaxy- and star complexity there is a need for different sized primordial dual black holes instead of two equal sized.



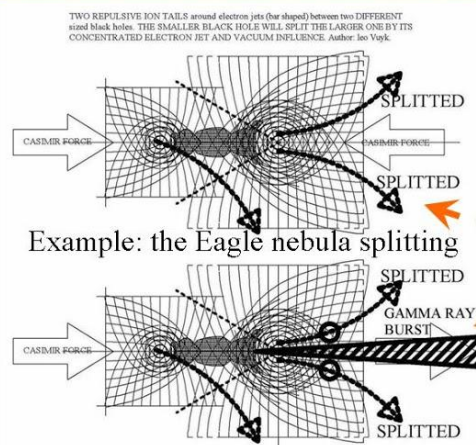
Consequently for the first star formation between the equal BH hotspots ( bow shocks) of a Herbig Haro system , the equal nuclear mass/size ratio of both i black holes is important. ( fig 12)  
Quasars such as Cygnus A are supposed to be a larger copies of a Herbig Haro system with larger BHs observed also as (radio) hotspots.

Markarian 231 seems to represent a large scale multiplying BH chopping system for symmetric so called Galaxy Anchor Black Hole ( GABH) complexity, forming a Triple-Double lobed Radio Galaxy (TDRG).(Figure 12,13)

The Spire nebula of the seems to show a more complex BH. splitting process. ( Figure 12)  
For 3D rigid string particle models see: (figure 27,29).

LIGO based Black Hole ratios and the ability to merge or split into two equal BH parts, able to create Herbig Haro systems and Gamma Ray Bursts. Such splitting systems are observed in the so called Spire part of the Eagle nebula.

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).



Example: the Eagle nebula splitting

Dual black hole merger nominal mass contents observed by LIGO in 2015 and 2016 resp. 29/36x and 7.5/14.2x sun masses. see: Quantum FFF Theory. The related ratios are: 1/1.24 resp. 1/1.9.

1.0 --- 1.0 1.0//1.24-1.9?

2 LIGO ratios: 29-36/7,5-14.2sun= 1.0/1.24/1.9

1.0 --- 1.0 1.0// 1.0

Herbig Haro creation ratio: 1x

BH splitting ratio 1.0 >> 1.9-?-50.0?

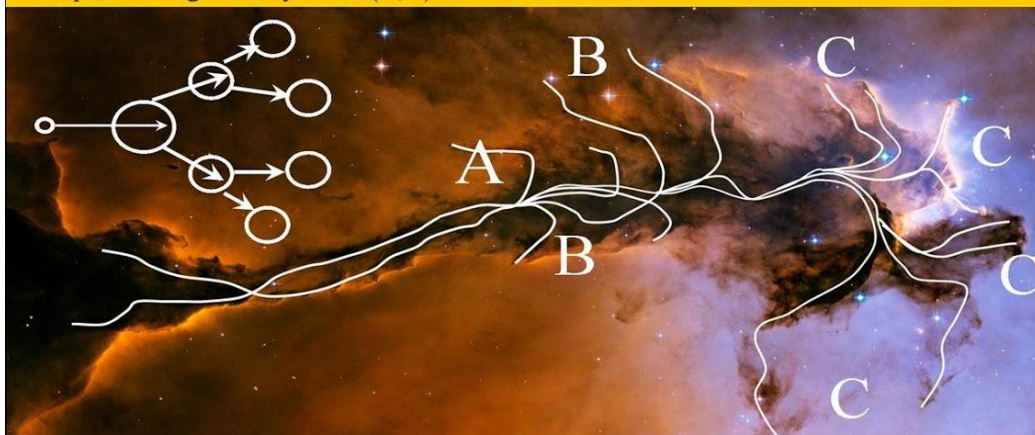
1.0 --- 1.0 1.0//>50.0?

Small black holes should split larger BHs into two equal parts to create dual Herbig Haro hotspots also called bowshocks or accretion outburst sources.

Galaxy central BH merger: 1.0 //>50.0?

## Black hole splitting in the Spire Eagle nebula

According to the Quantum Function Follows Form Model, small black holes split larger BHs in equal halves, (A) which are able to repel each other and form Dumbbell shaped Herbig Haro systems (B,C) with star formation in between.



At location (A) both unequal sized black holes seem to split into 4x dual sets of smaller BHs one dual set has even evolved into a second 4x dual sets of BHs.

Figure 12, LIGO BH ratios and the BH multiplier splitting process in the Spire- Eagle nebula.



# Markarian 231 as the Infant Stage of Cygnus-A Quasar. By EDM Black Hole

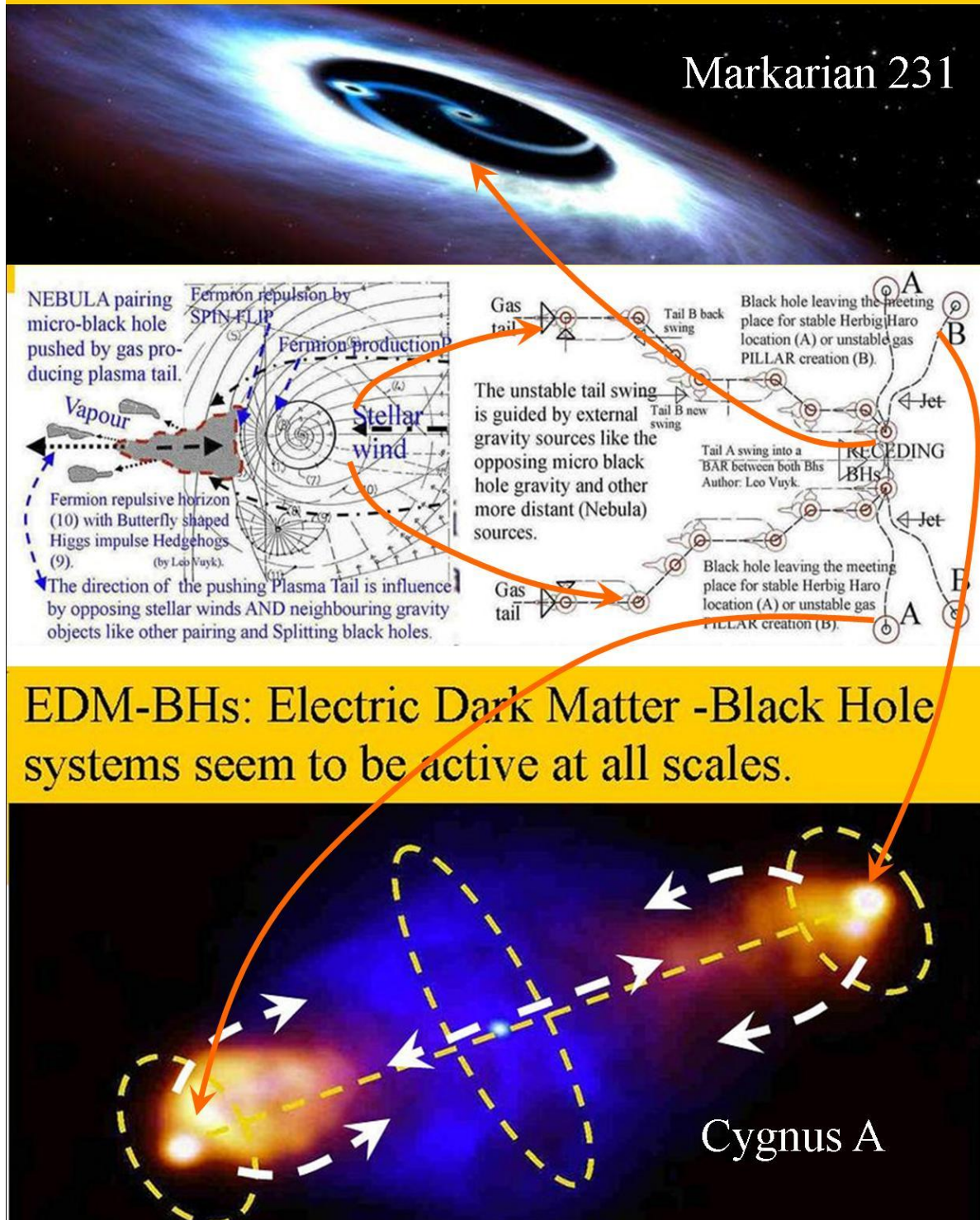
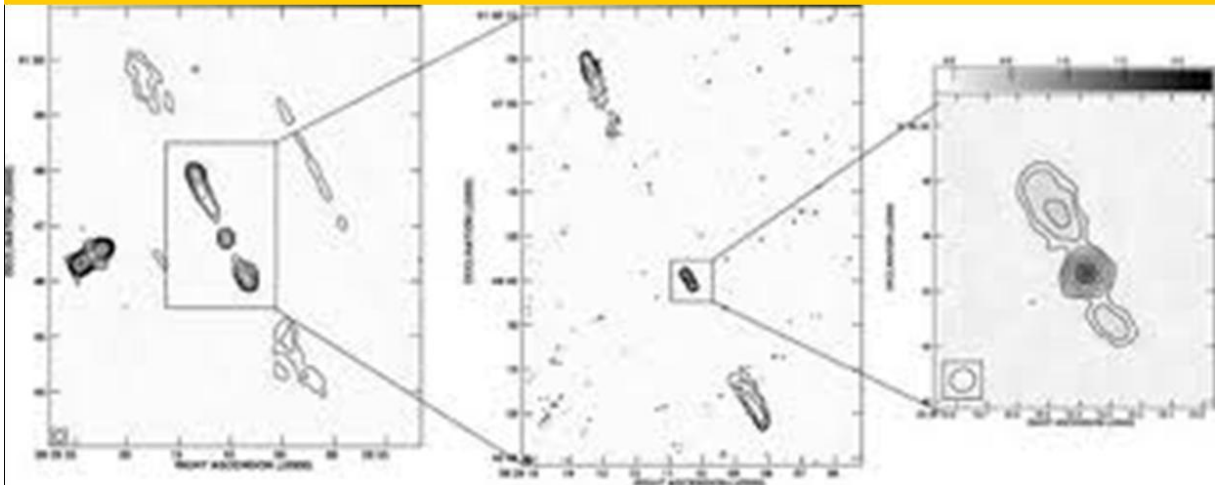


Figure 13. . the relation between Markarian 231 and other BH splitting systems



# Black hole splitting as the origin of spiral Galaxies after a double or multiple lobed Quasar process.

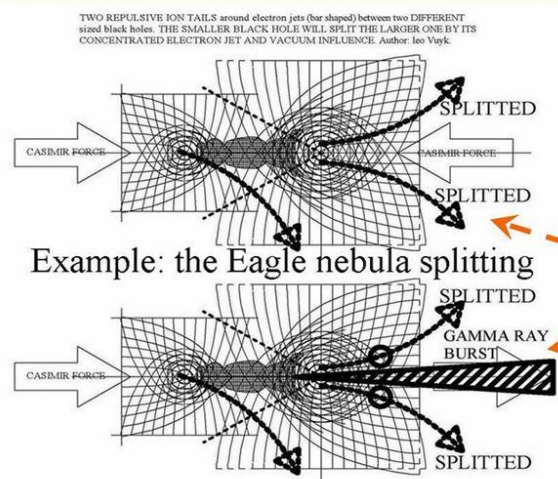


In Quantum FFF theory, stars and galaxies need at least two new physics Electric Dark Matter Black Holes (EDMBHs) for a Herbig Haro system (or dual lobed Quasar) . However multiple symmetric lobed systems seem also possible by a repeated central black hole splitting process.

LIGO based Black Hole ratios and the ability to merge or split into two equal BH parts, able to create Herbig Haro systems and Gamma Ray Bursts. Such splitting systems are observed in the so called Spire part of the Eagle nebula.

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).

Dual black hole merger nominal mass contents observed by LIGO in 2015 and 2016 resp. 29/36x and 7.5/14.2x sun masses. see: Quantum FFF Theory. The related ratios are: 1/1.24 resp. 1/1.9.



Small black holes should split larger BHs into two equal parts to create dual Herbig Haro hotspots also called bowshocks or accretion outburst sources.

1.0//1.24-1.9?  
2 LIGO ratios: 29-36/7,5-14.2sun= 1.0/1.24/1.9

1.0// 1.0

Herbig Haro creation ratio: 1x

BH splitting ratio 1.0>>1.9-?-50.0?

1.0//>50.0?

Galaxy central BH Merger: 1.0 //>50.0?

Figure 14, Markarian 231 at a larger scale with triple- double lobed radio sources.

## Quantum FFF Theory effects.

According to Quantum FFF Theory, early Galaxies have growing potential by the number and size of external primordial dark matter black holes initially formed as big bang splinters able to pair into Quasars with star forming galaxies in between the so coined “Galaxy Anchor Black Holes” ( GABHs) The galaxies can merge with other galaxy-systems into complex spirals and elliptical OR produce complexity by the BH splitting ( chopping) process. Irregular galaxies and Dwarf galaxies are supposed to be the result of secondary star forming interaction between GABHs.

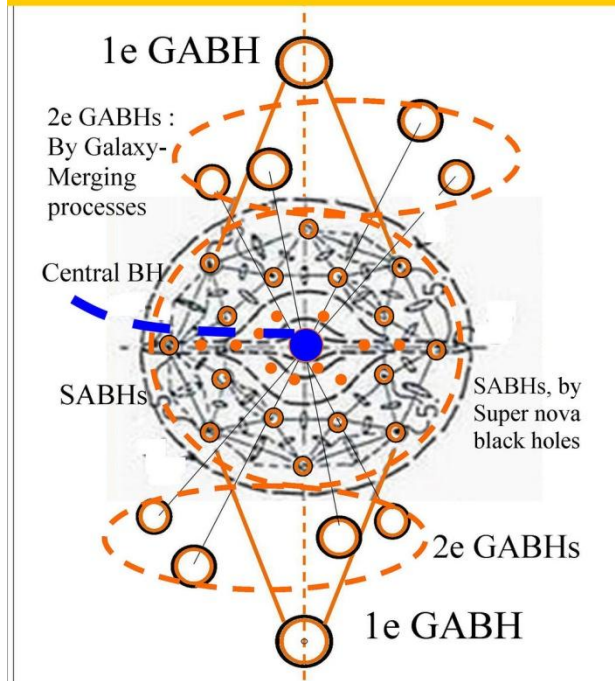
After Supernova black hole production these smaller black holes are able to pair as hotspots or “bow shocks” into new Herbig Haro systems,.

If no galaxy merger candidates are available in the neighborhood, or no BH ratio differences are able to split larger BHs into two halves for HH systems, then galaxy will soon reach a maximum size and die. (dead galaxies: figure 20)

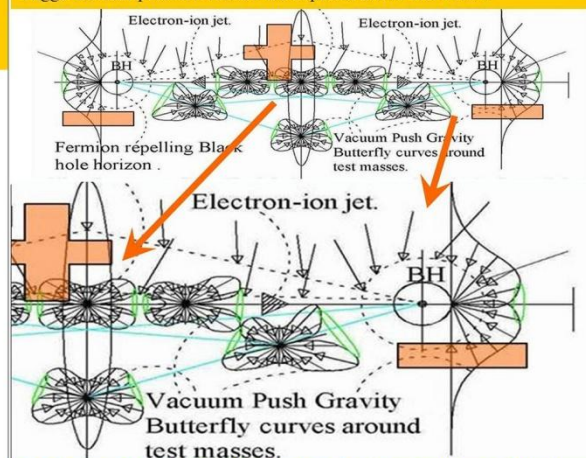
Also according to Quantum FFF (Function Follows Form) Theory, all star forming molecular clouds are the result of one or more Herbig Haro systems, equipped with so called dual hotspots which are assumed to be the result of dual new physics “electric dark matter black holes” in contrast with general accepted black hole theories. As a consequence there is a great misconception in mainstream Astronomical theories.

## Four main Dark Matter Black Hole families.

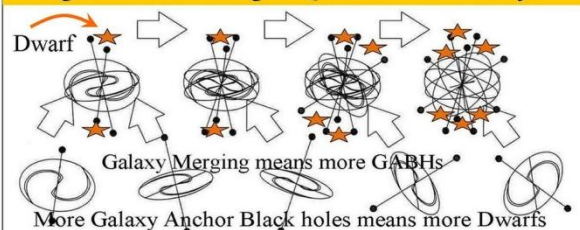
Primary- Secondary Galaxy Anchor BlackHoles (GABHs), (Globular Dwarfs) Central BH and Stellar/Dwarf Anchor Black Holes, (SABHs), According to Quantum FFFTheory



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.



Below: Merging of spiral galaxies to form elliptical galaxies according to QuantumFFF Theory.



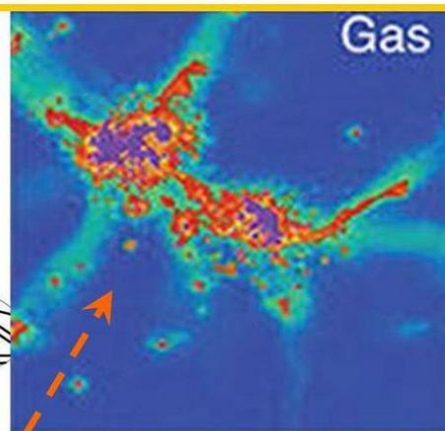
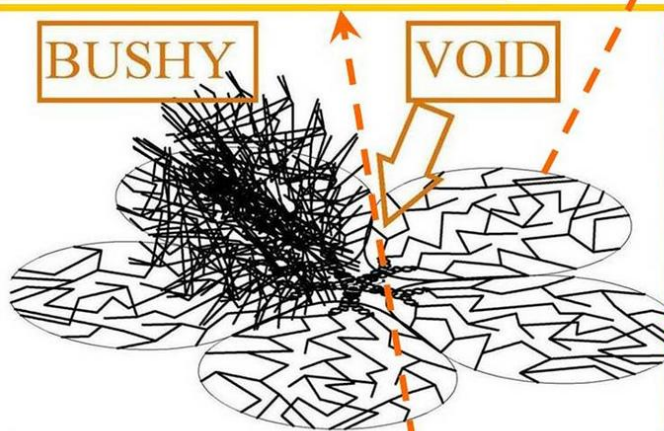
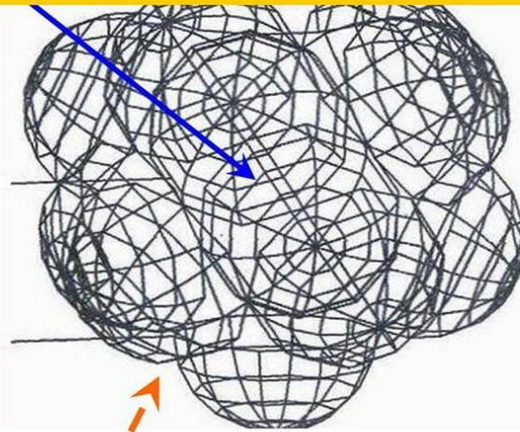
**Figure 15, GABHs as the largest unit of Dark Matter black hole families**



According to Quantum FFF Theory, the Big Bang can be described as the explosion of a giant Dark Matter Black Hole nucleus which is assumed to contain all the particles and smaller black hole nuclei of a former multiverse after a big crunch process.

How the symmetric Dark Matter Big Bang of the Raspberry Multiverse produced accelerating Big Bang Black Hole (BBBH) splinters in a fractal structure, forming dual Herbig Haro systems (HH) and the oscillating Higgs field by BH evaporation, according to Quantum FFF Theory.

Explanation of the numbers: 10, splitting Dark Matter BBBH splinter. 11, Higgs field pressure. 12, forward pressure area. 13, stable BH splinters. 14, Evaporating BH splinters. 15, Higgs BH gravity funnel. 16, Dual HH system formation. 17, Multiple HH system formation around the Higgs BH gravity funnel.



"Branched Inflation" of the Universe: the Origin of Fingers and Voids.

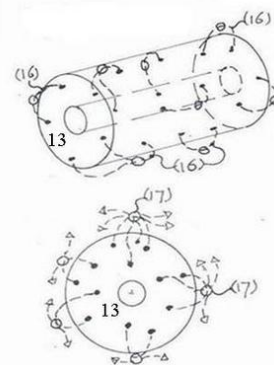
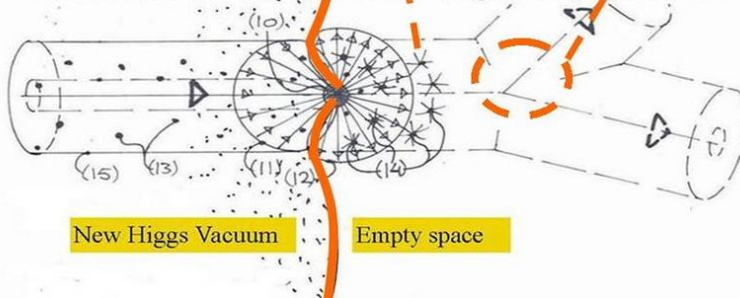


Figure 16, BBBH , the Big Bang Black Hole splintering into smaller BHs and evaporating into the oscillating Axion Higgs Vacuum lattice .

## The Big Bang Inflation epoch.

In contrast with the standard inflation model, in Q-FFF Theory, the inflation is described as the splitting and evaporation process of the Dark Matter Big Bang Black Hole Nucleus.

The splitting travelling process is also a pairing process into Herbig Haro systems forming stars and galaxies along the Lyman Alpha forest.

The evaporation process is assumed to be responsible for the evaporation of single Axion Higgs field particles from the BB nucleus, to form the self energetic oscillating Vacuum lattice. ( fig 16)

The smaller exploded black hole splinters ( fig 18, 19) are assumed to be responsible for the fractal

structure of the universe by splitting in succession into smaller nuclei to pair and form huge primordial Herbig Haro systems ( Quasars) with star and later galaxy formation in the middle between the stable paired equally sized hotspot black holes.

After supernova explosions of the large early giant stars, new black holes are formed which are supposed to be able to form smaller dual Herbig Haro systems by splitting processes.

By the ever reducing black hole nuclei als smaller star formation in between will be the standard process as a start for the internal structure of the spiral galaxy.

At the same time such a splitting and pairing process is assumed to happen at all scales in the current universe ( entangled copy mirror multiverse) even down to molecular clouds and even inside Bok globules.

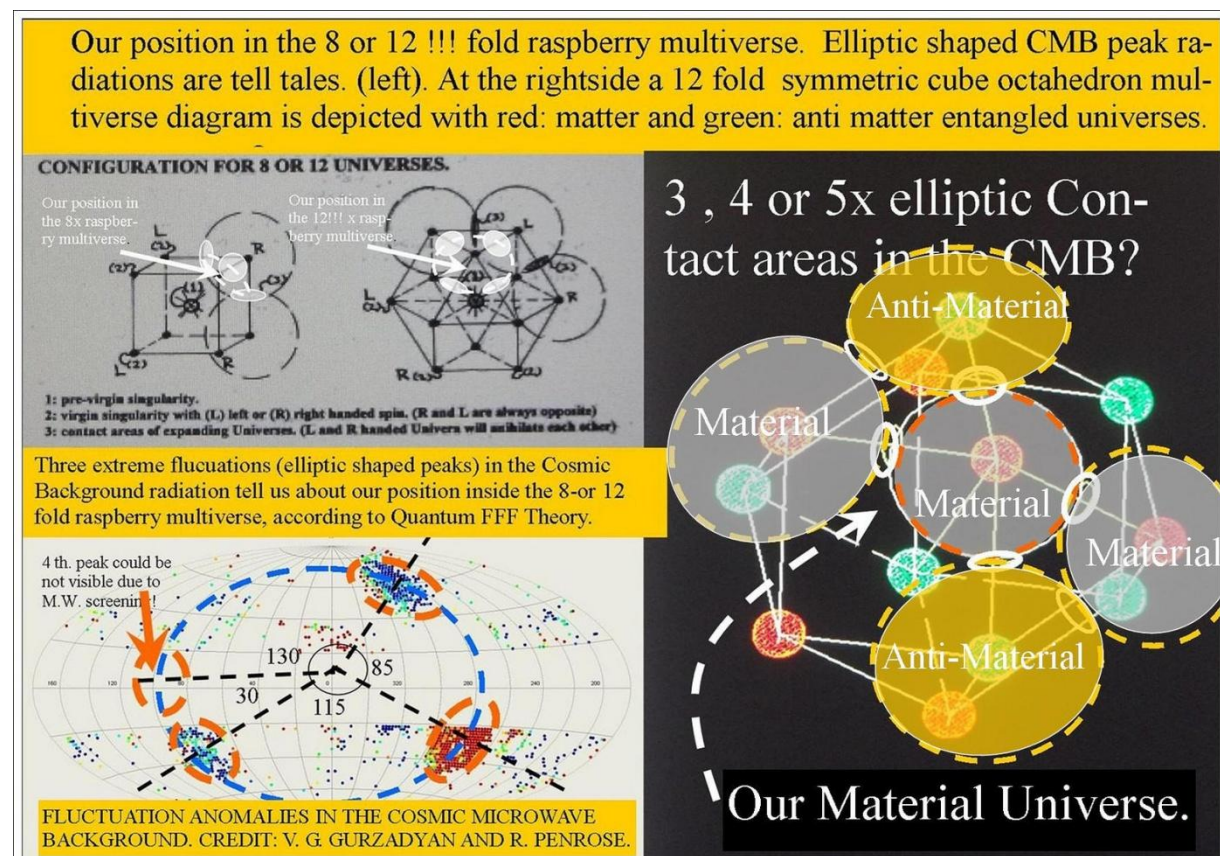


Figure 17, The Multiverse with 8-12 Charge Parity (time) symmetric Universal bubbles.



# Bouncing/ Cyclic Multiverse.

The Big Bang and Big Crunch originated by Black Hole splitting, pairing and recycling into massive growing central galaxy black holes, according to Quantum FFF Theory.

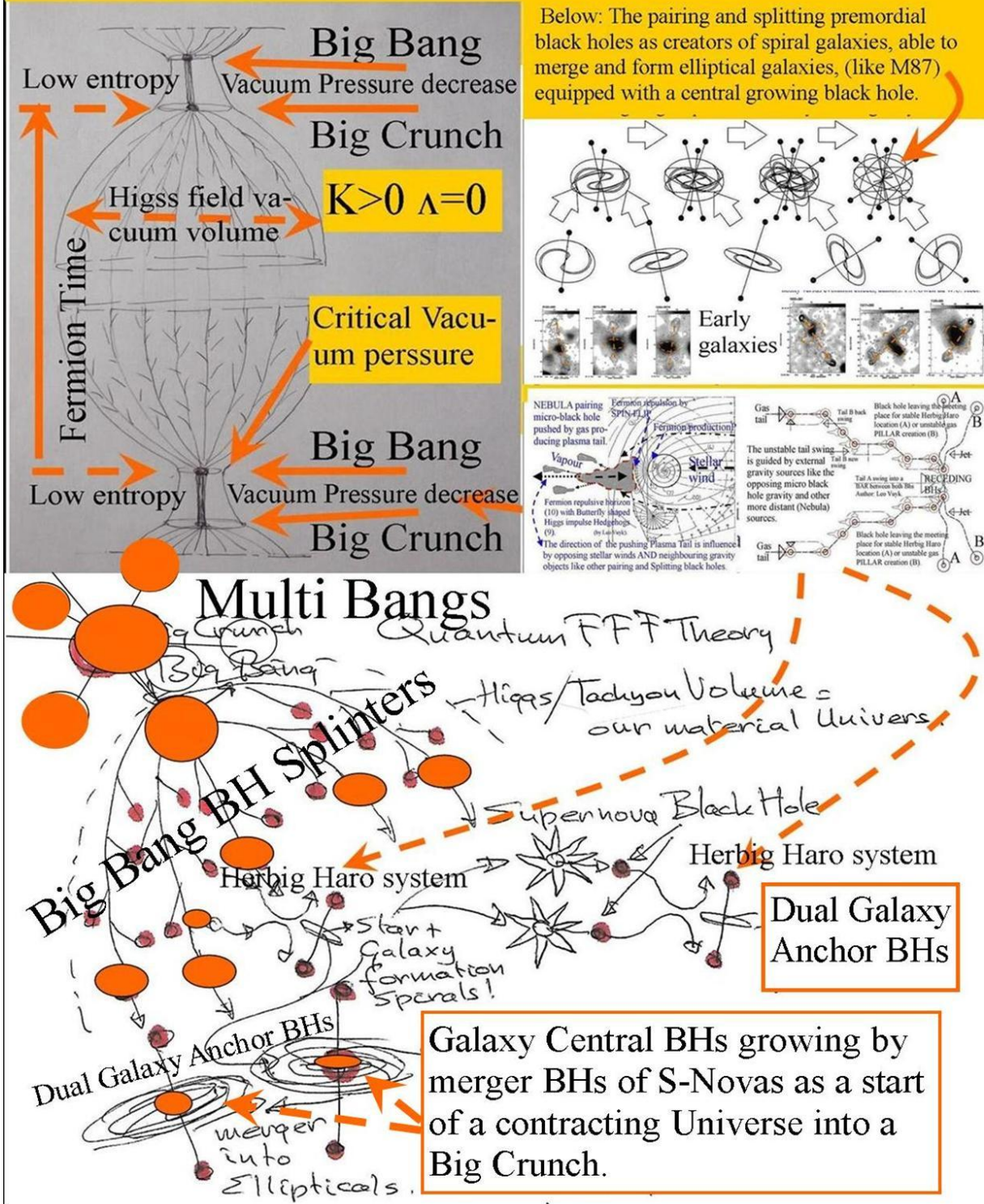
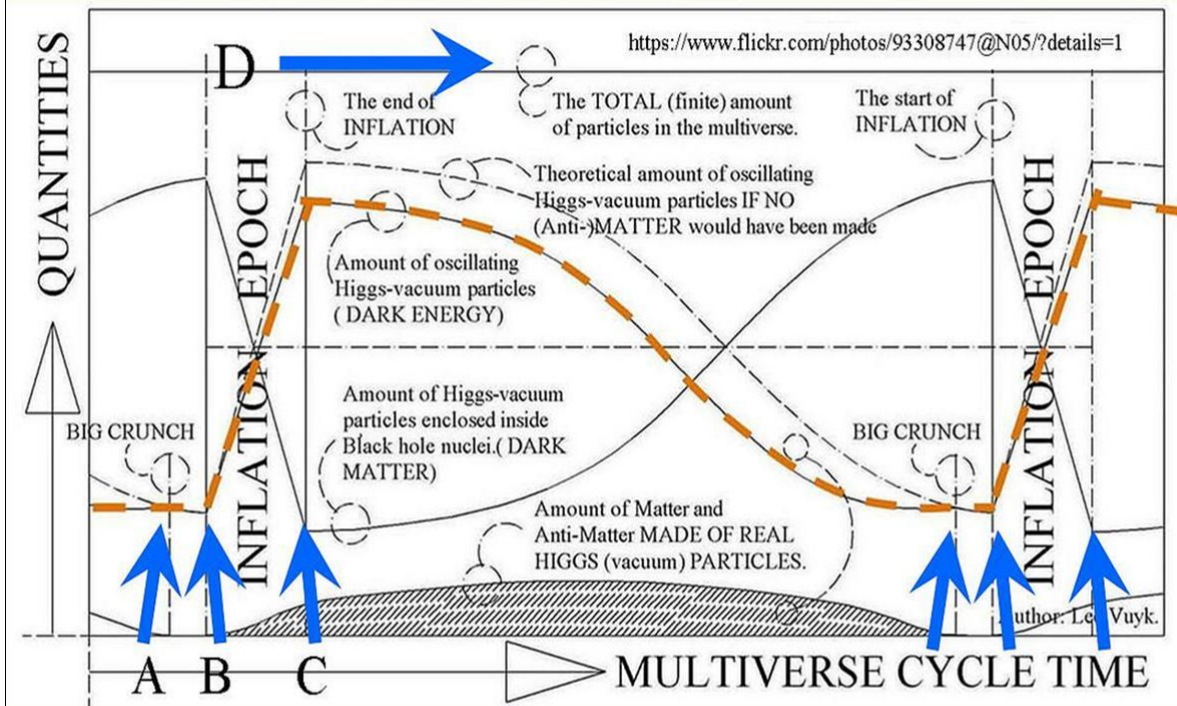


Figure 18, The Cyclic Multiverse.



## The Beginning and End of Time.

Multiverse cycle time versus quantities of mass carrying particles, Dark Matter Black Hole particles and Dark Energy Oscillating Vacuum Lattice (Axion Higgs field) particles. All particles and fields are assumed to be based on rigid string particles. Negative and Positive charged Fermions should have propeller shapes with opposite pitch.



A: The end of matter based time. (Big Crunch) All rigid string matter is through merger Super Nova black holes concentrated into one BH nucleus, which is compressed by the remaining-but absorbing- deluting-dark energy vacuum. If the deluted vacuum pressure comes into equilibrium with the total internal string tension of the nucleus, the Big Bang BH splits symmetrical into 8 or 12 entangled BH nuclei.

B: The beginning of matter based time and the splitting of the Big Bang Black Hole string nucleus into series of minor secondary primordial BHs, building the fractal shaped Lyman Alpha Forest and the start of dual pairing BHs into primordial Herbig Haro systems with vast galaxy formation in between.

All New physics BHs (even micro interference BHs) are postulated to create not only pair production at the horizon, but even entire protons. (plasma)

C: The end of primary Big Bang black hole splitting and the end of vacuum expansion (vacuum inflation)

D: The Total number of particles during the cycle process is constant.

According to the Quantum Function Follows Form model.

Figure 19, The beginning and end of time, with an inflation era strongly differ from the standard model.



The diagram shows two galaxy clusters against a cosmic background. On the left, a rich cluster is depicted with a central yellow circle and six surrounding yellow circles, all connected by yellow lines. On the right, a 'Dead galaxy' is shown as a single yellow circle connected to a central yellow circle by a single yellow line.

**Figure 20, The origin of Dead galaxies.**

Herbig Haro Bowshocks and Cometary Globules, are not interpreted as Dark Matter Black Holes. See below: Bok- and Cometary Globules with young Herbig Haro Bowshocks in the making in the Carina nebula.

NEBULA pairing micro-black hole pushed by gas producing plasma tail

Formation regulated by SPIN-FLIP

Fermion production

Stellar wind

Vapour

Fermion explosive bursts (10) with butterfly-shaped Higgs impulse fiddlings (10) in 10<sup>-10</sup> sec

The direction of this pushing Plasma Tail is influenced by opposing stellar winds AND neighbouring gravity objects like other pairing and splitting black holes.

Gas tail

Jet

The unstable tail swing is guided by external gravity sources like the opposing micro black hole gravity and other more distant (Nebula) sources.

Black hole leaving the meeting place for stable Herbig Haro location (A) or unstable gas PILLAR creation (B)

Tail it back swing

Tail it swing into a V-MEYER shock front

Author: Las Vork

DECIDING PATHS

Black hole leaving the meeting place for stable Herbig Haro location (A) or unstable gas PILLAR creation (B)

Several accelerating pairing and splitting 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)

A

A

A

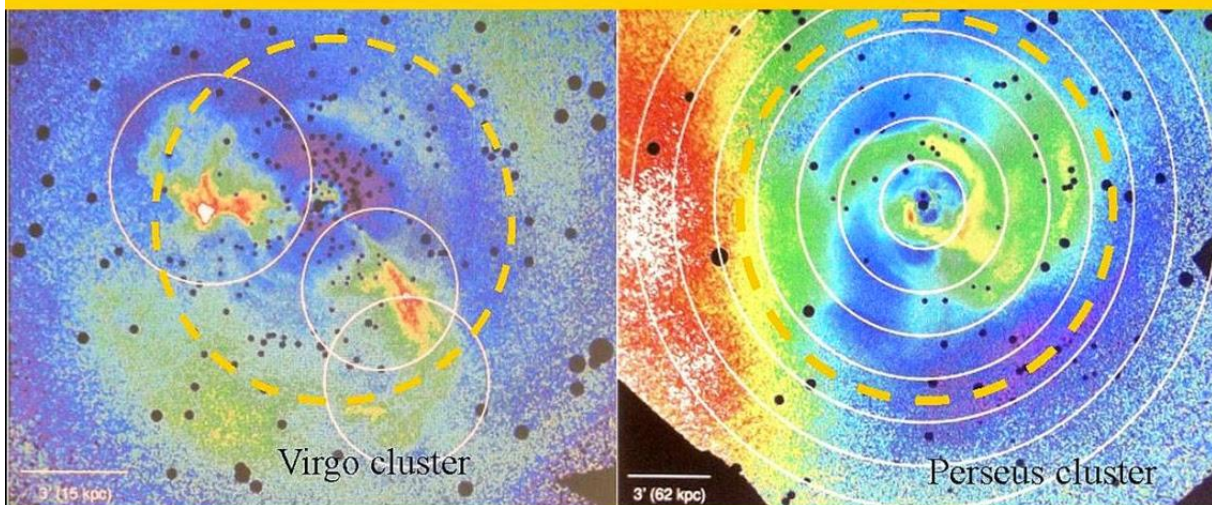
# Pairing Cometary Globules

**Figure 21, The great misconception in astronomy.**



## Giant galaxies die from the inside out: Star formation shuts down in the centers of elliptical galaxies first.

According to Quantum FFF Theory, Galaxy- and Cluster black hole hierarchy is the origin of dying galaxies where star formation in the center stops. X-ray point sources (Dark matter black holes) in Virgo and Perseus cluster centers present evidence for black hole hierarchy: the smallest BHs are located in the centers and are not any more able to create Supernova black holes large enough to form Herbig Haro systems with star formation in between. The result: Dying "red and dead" galaxies as the start of Universal contraction and collapse (Big Crunch) in a cyclic multiverse.



Below: Example of the galaxy black hole hierarchy model observed at Andromeda (M31 below left) and the Sombrero galaxy (M104 right).

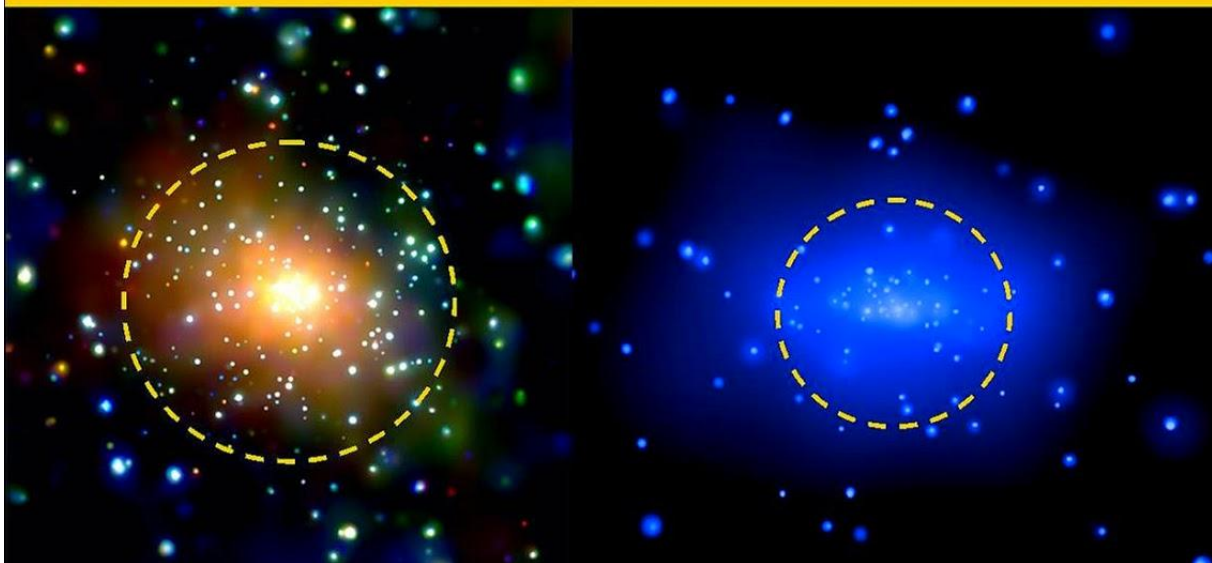


Figure 22, Star formation seem to shut down in the center of galaxies.

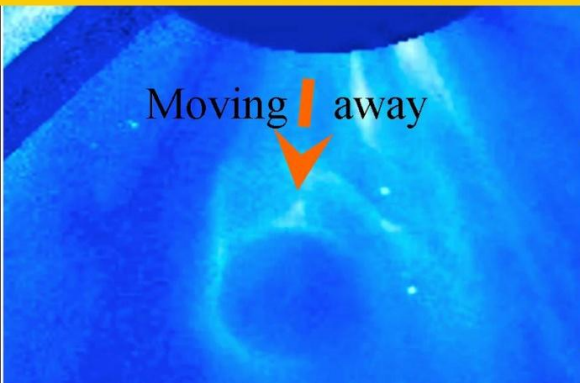


## SABH cosmic ray hotspots (electric dark matter black holes) as the origin and future slingshot accelerators of Brown Dwarfs expelled by the sun.

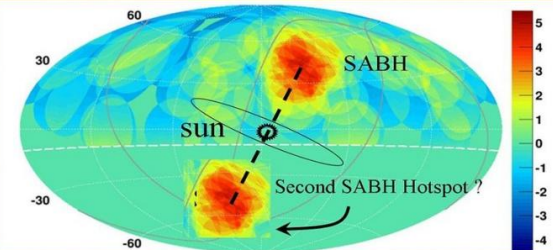
New giant gas planets expelled by the sun, moving away to the south, into the direction of the Southern cross SABH hotspot.



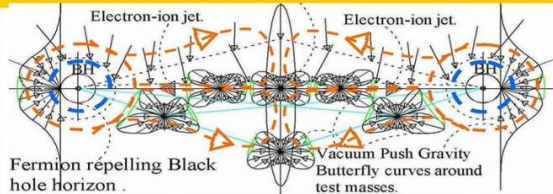
Dates 10Jan.2014 ( below) and 11March.2012 (above). "Brown Dwarfs ?" according to Q-FFF .



A hotspot for powerful cosmic rays found under the Big Dipper, by the University of Utah. The mysterious source of cosmic rays is also reason to look at the southern hemisphere to observe the opposing second Stellar Anchor Black Hole (SABH) (Cosmic ray production by NEW black hole paradigm according to Quantum-FFF Theory).



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.

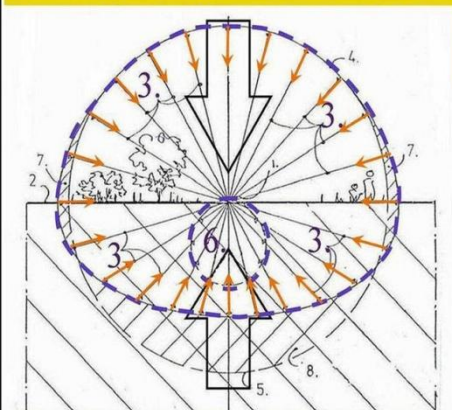


Scheme of the electric SABH principle around the sun.

Figure 23, Even the sun seems to have polar dual black hole Herbig Haro remnants and is able to produce and expel gas planets (failed stars) at this age.

Equivalence between gravity and acceleration does not hold in Quantum FFF Theory. Mass in motion needs a reference frame of ZPE oscillating Higgs field and Lorentz polarization of conscious propeller Fermions (s) to keep a non accelerated flight.

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



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

Polarized Fermion Mass in motion through the resistive, but also pushing oscillating Higgs vacuum (according to Quantum FFF theory)

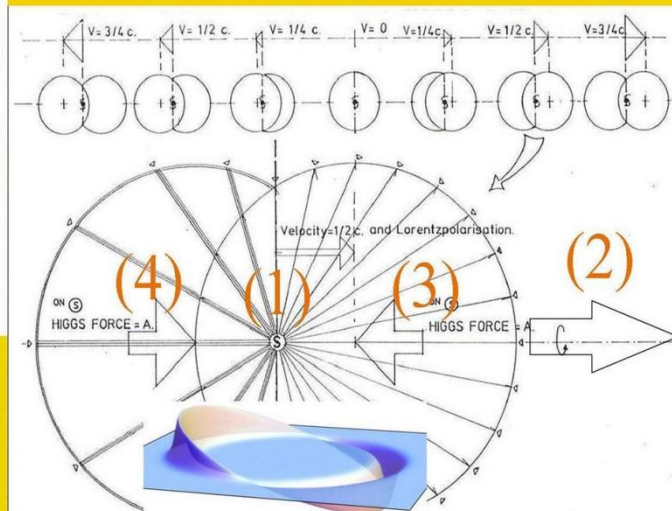


Figure 24, Quantum Gravity and Mass in motion. ( Quantum FFF Theory)



# Lorentz Fitzgerald Contraction is real!

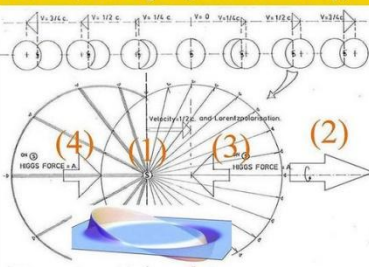
A real Lorentz Fitzgerald contraction does not fit into Einsteins Special Relativity. However recent findings of atomic nucleons polarized into one fixed spacetime direction should tell us differently.

Polarized Fermions (Nuclear Quarks) as the origin of non accelerated motion through the resistive oscillating vacuum Higgs field.

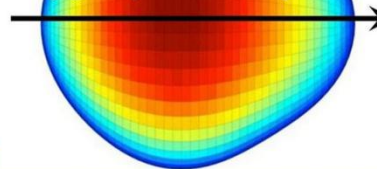
Pear shaped atomic nuclei is reason to assume John Bell was right! With Lorentz contraction in special relativity.

Polarized Fermion Mass in motion through the resistive, but also pushing oscillating Higgs vacuum (according to Quantum FFF theory)

Nucleon polarisation based on Fermion (Quark) propeller polarisation

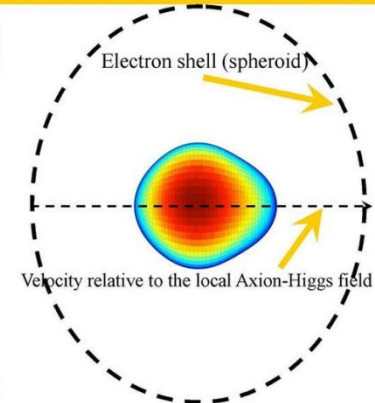


Direction of absolute Fermion (Quark) motion in the Higgs field reference frame, variable by gravity also called spacetime



Cross section through the 3D vector field pressure distribution on a Fermion point mass (1). Propeller shaped spinning Fermions are supposed to be Polarized into the direction of flight through the vacuum lattice (2). As a result, the resistive vacuum Higgs force (3) is compensated by the Higgs Pushing force (4) from the "backside" of the Fermion. However every Fermion need to have polarization memory consciousness. (by a multi universal entanglement system see: Quantum-FFF theory)

Polarized nucleons found by B. Bucher et al. (LHC Geneva) see: <https://arxiv.org/pdf/1602.01485v1.pdf>



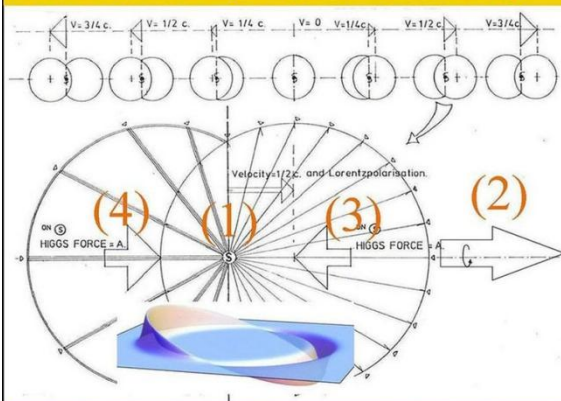
The atom nucleus is an ellipsoid with elongated central axis. The electron shell is a spheroid with shortened central axis, according to the Quantum FFF Model.

Figure 25, Lorentz Fitzgerald contraction is real ( John Bell)

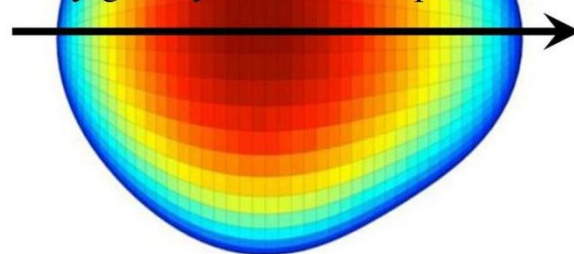
Pear Shaped Nucleons, as the result of non-accelerated motion through the massless but resistive oscillating Axion-Higgs field vacuum.

Polarized Fermion Mass in motion through the resistive, but also pushing oscillating Higgs vacuum (according to Quantum FFF theory)

Nucleon polarisation based on Fermion (Quark) propeller polarisation



Direction of absolute Fermion (Quark) motion in the Higgs field reference frame, variable by gravity also called spacetime



Cross section through the 3D vector field pressure distribution on a Fermion point mass (1). Propeller shaped spinning Fermions are supposed to be Polarized into the direction of flight through the vacuum lattice (2). As a result, the resistive vacuum Higgs force (3) is compensated by the Higgs Pushing force (4) from the "backside" of the Fermion. However every Fermion need to have polarization memory consciousness. (by a multi universal entanglement system see: Quantum-FFF theory)

Polarized nucleons found by B. Bucher et al. (LHC Geneva) see: <https://arxiv.org/pdf/1602.01485v1.pdf>

Figure 26, Lorentz Fitzgerald contraction by nucleon pear shaping.



Why 125 GeV Higgs does not decay via 2x bosons into 2x Taus and 2x Bottom quarks? (see: Lubos Motl)

According to the Quantum FFF Model, 2x Taus and 2x Bottom quarks together need 10x electron/positron propellers (silver colored, see at the bottom below) .

Light Higgses seem to decay into: (aa) 2x bosons containing 4x or 6x or possibly for ZZ bosons even 8x electron positron propellers.



See below counting silver particles: 4x Taus = 8x elements, 2x Muon with 2x Taus = 6x. 2x Muon with 2x Bottom = 8x.!

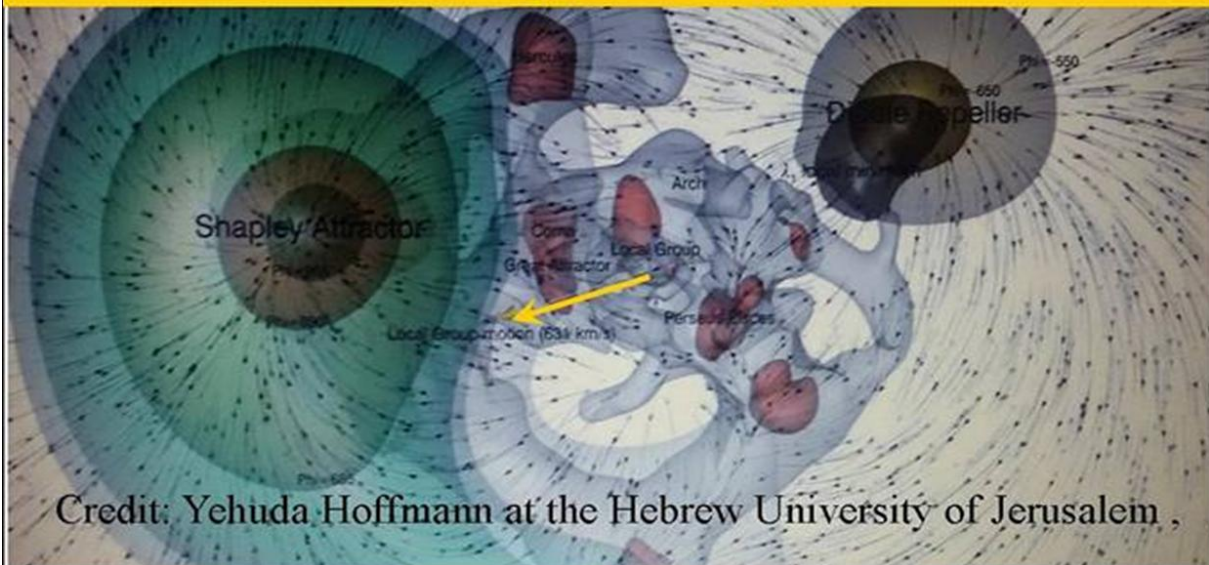


Figure 27, Some examples of 3D particle structures according to Quantum FFF Theory.



## Entropic or Emergent Gravity and Dipole Repeller Gravity seem to be Opposing Repeller Gravity of Axion Higgs field and Graviton pressure information.

According to Quantum FFF Theory, empty space is filled with a fast oscillating lattice of massless Axion-Higgs field particles as a half base for our opposing dipole pressure Higgs-graviton gravity on earth. Now prof. Yehuda Hoffman shows us a support for this hypothesis.



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

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

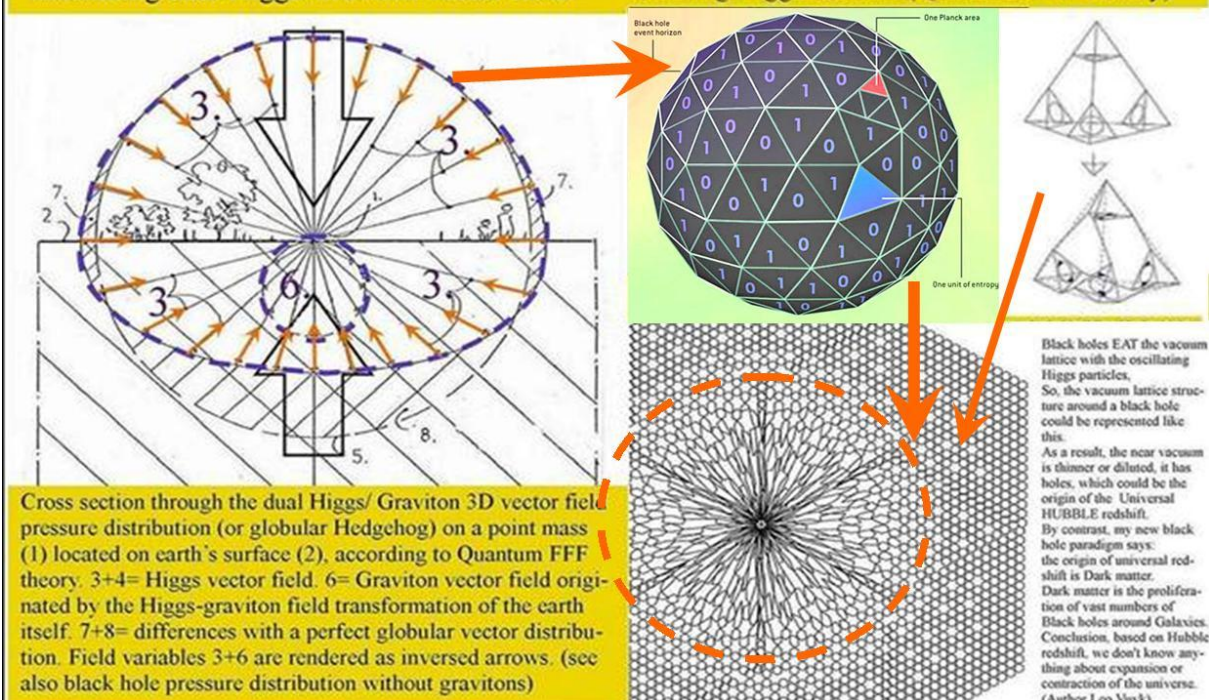


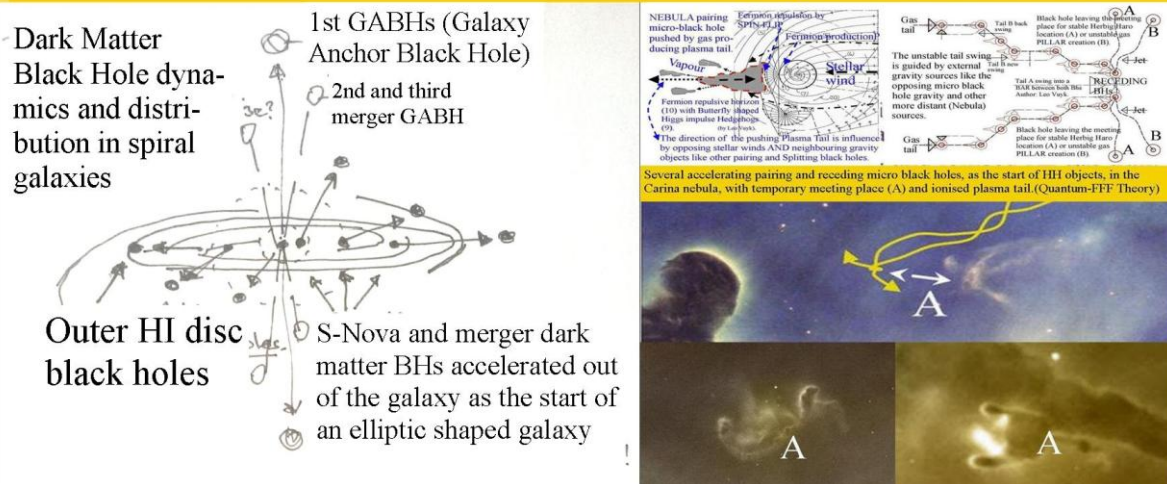
Figure 28, Quantum dimonopole repeller gravity ( the oscillating Casimir vacuum ) combined with less pressure from pushing gravitons.



“Monster colliding black holes might lurk on the edge of spiral galaxies”. Supported by Quantum FFF Theory.

The Contribution Of Outer HI Disks To The Merging Binary Black Hole Population see: <https://arxiv.org/abs/1710.09407>

BH Overdensity origin at the Spiral edge by plasma tail propulsion of new physics black holes.



Figure, 29 . Dark Matter Black Hole dynamics in spiral galaxies.

The New Black Hole according to the Quantum-FFF Model: Negative Charged (outside) and Fermion (Plasma) Creation out of the massless Axion-Higgs String vacuum. (Fermion repulsion).

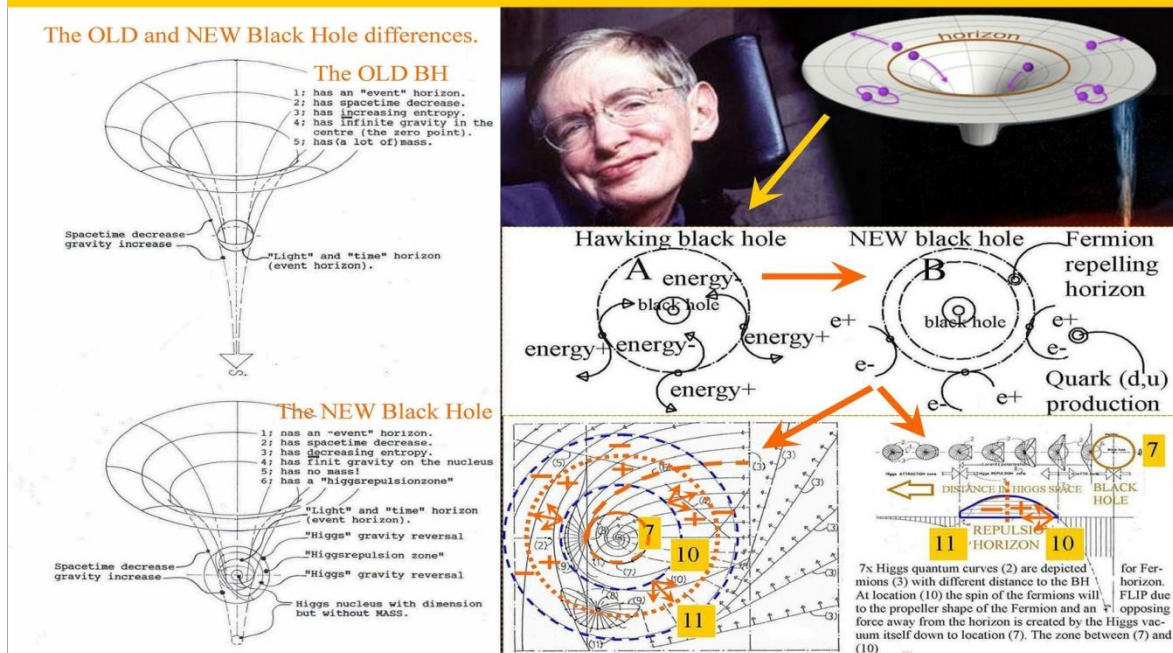
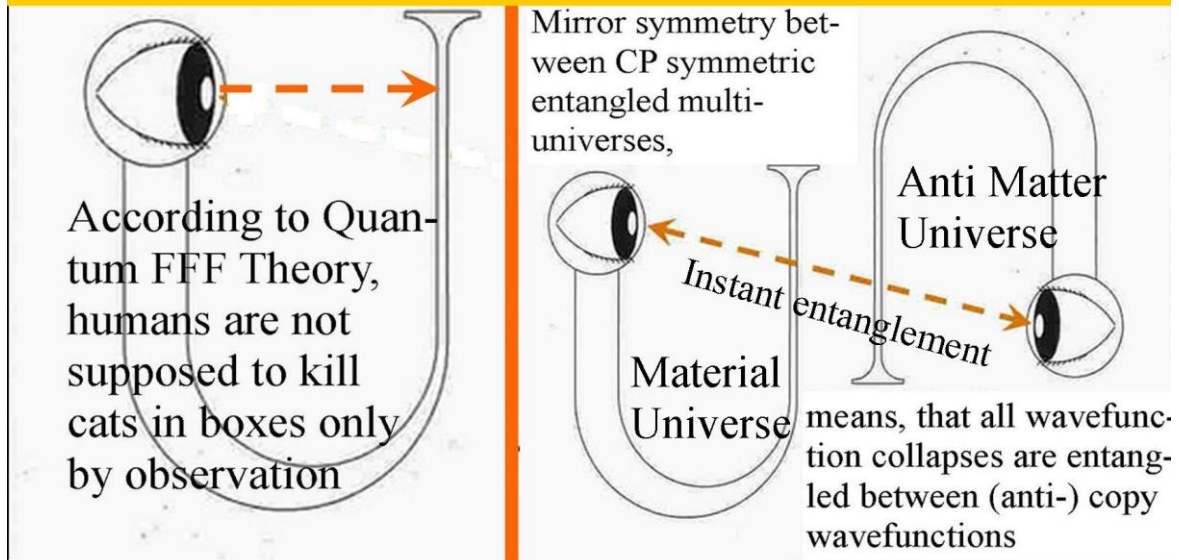


Figure 30, The new black hole



The Raspberry Many Worlds Interpretation of Quantum Mechanics is based on an Fixed Number of Material and Anti- Material Universal bubbles.

In the accepted Many Worlds theory our Material Universe splits constantly every second at the quantum scale. However, in the Raspberry Multiverse, the Big Bang produced an even number of Charge Parity Super Symmetric entangled Universal bubbles.



Figure, 31. Entanglement between many symmetric universes, needed for the guidance memory of all particles.

2 Diagrams of a 12 fold Raspberry Multiverse showing preplanning (RPI) of one of the instant entangled copy subjects in the Benjamin Libet lab, with- and without a Veto action of one of the copy subjects.(according to Quantum FFF Theory)

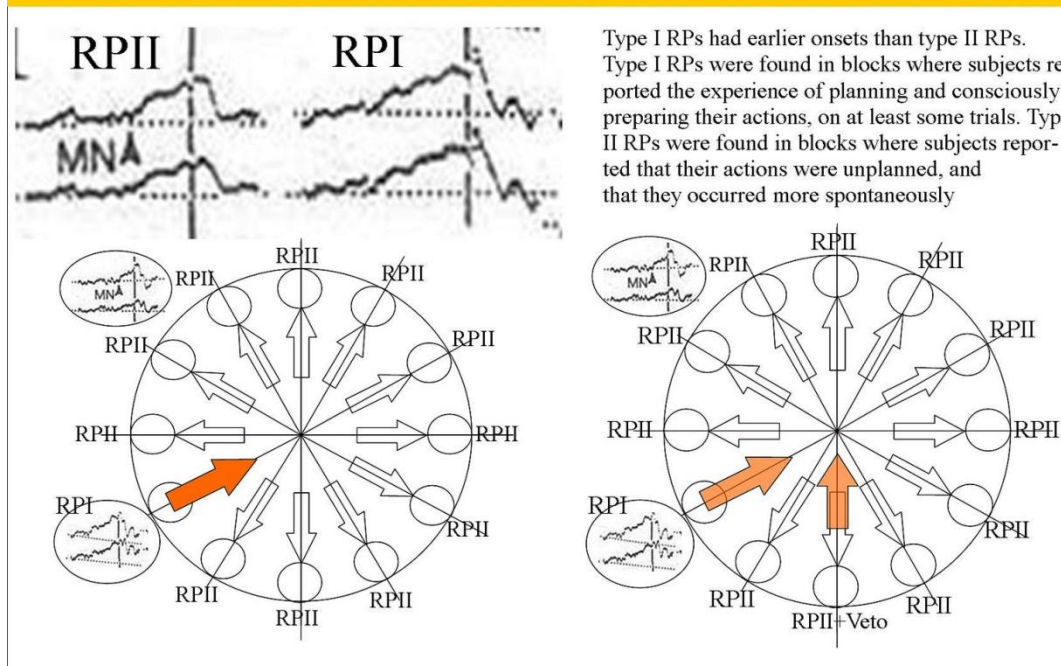
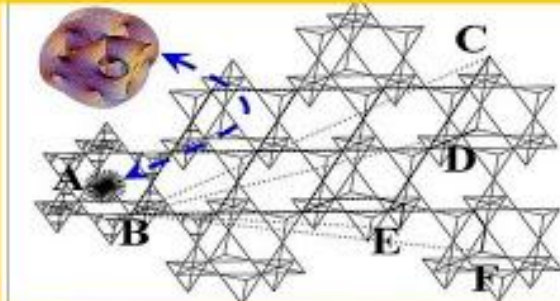


Figure 32, Quantum FFF Theory explanation of the difference between RPI and RPII (R=Readiness potential) observed and published by Benjamin Libet around 1964. ( reference: 72: Democratic Free Will and Telepathy in the Instant Entangled Multiverse )

# The Origin of Hexagonal structure of laser light?

Light travelling through the oscillating Axion Higgs particle based tetrahedral vacuum lattice could create hexagonal effect.



Path integral or Sum over Histories (Feynman) visual represented for the Axion-Higgs tetrahedral vacuum lattice, according to Quantum FFF Theory.

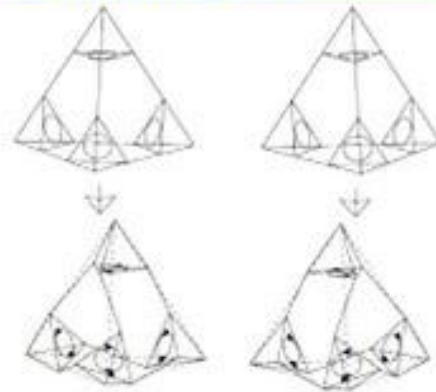
There are two field trajectory systems: one for Photon information transfer (black Lines: B,C,D,E and F) and one for real transportation of Fermions, Bosons and Gluons (A).

The Gluons are assumed to mutate after about 1 cm (see: Babcock and Bergman experiment) into a monopole Photon, which does not travel but oscillate as local vacuum particle, transferring photon information with the local speed of light.

Fermions are propeller shaped and assumed to form a Calabi Yaw rotational surface.

If the chirality of all the tetrahedron ribs has a total of 60 degrees rotation, then at vertex points, the information transfer has only two equal choices to reach the next tetrahedron rib, as is assumed for the Path integral solution.

Two different tetrahedron space fill systems with left or right hand chirality, needed to make material or anti-material universes.



Space fill unit with RIGHT hand rotation. Space fill unit with LEFT hand rotation.

See: <https://journals.aps.org/pr/abstract/10.1103/PhysRevA.99.013848>

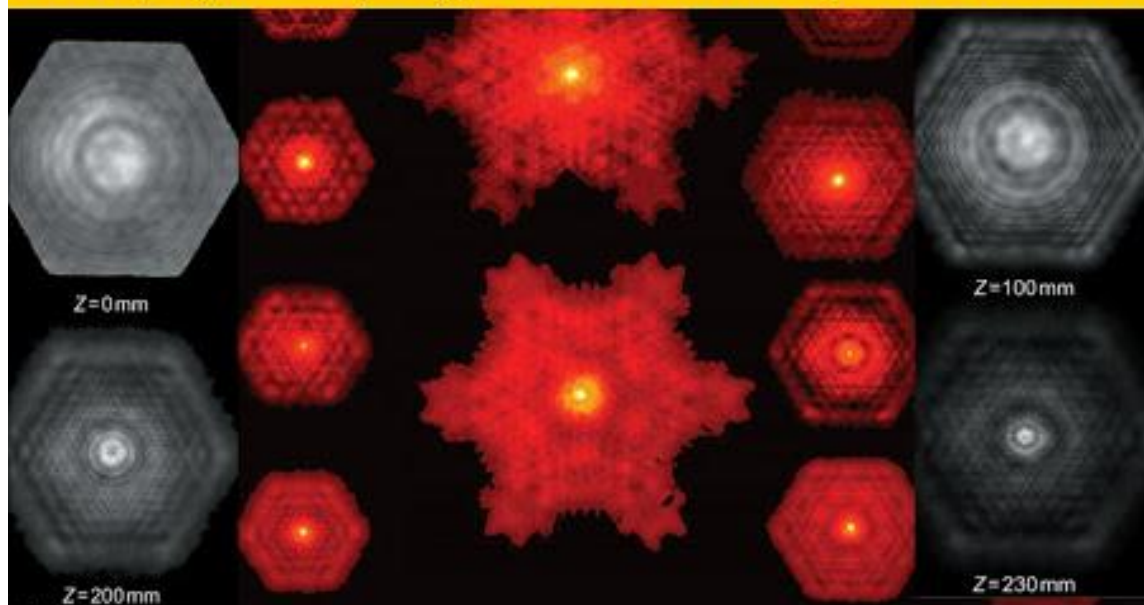


Figure 33, The Axion Higgs Pyrochlore Tetrahedral vacuum lattice seems a logical origin of hexagonal laser effect.

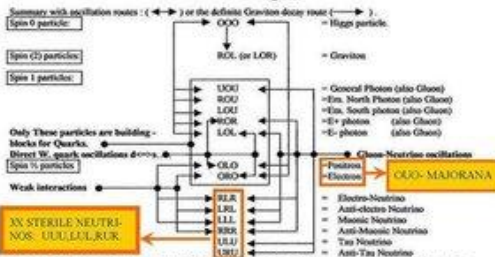


# Sterile Neutrinos and Majoranas seem to have different origins according to the 3x hinged rigid string system of Quantum Function Follows Form model.

MAJORANA particle's placed in the new extended standard model based on Q-FFF Theory. OOU is e-e+ related, UUU, LUL,RUR are Neutrino related. Called sterile Neutrinos.

The coding of Single Elementary Particles is based on the so called "rotational click positions" of the three hinges, which are assumed to be regularly placed over the ring shaped Higgs "Quantum Torus Particle" (page 2). This ring has one splitting point and three hinges which have consequently four 90 degree click positions each. The best Torus ring diameter ratio to click-on is about 1/7. The ring coding of the hinges positions is as follows.

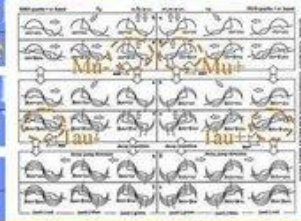
Explanation of the codes:  
U= Up rotation (180 degrees)  
O= Unchanged circle  
L= Left rotation (90 degrees)  
R= Right rotation (90 degrees)



## Geometrical proposal for most particles building the universe



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)



All Photons (1x, graviton, 2x electr.- 2x magnetic- and 1x general (x-gamma-ray) photon) and two Fermions (Electron + Positron) are formed direct out of the "Mother" ring shaped Higgs particle, by internal hinge rotation (below). Dark Matter particles are supposed to be formed by interlocking 3 or 4 photons (below). Neutrinos are deformed photons or fermions. (not shown) See Quantum FFF Theory. (Function Follows Form) <http://vixra.org/abs/1103.0002>



## ↓ 3D base for 3x hinged rigid strings.



OOU,-ROL-UOU,ROU,LOU,ROR,LOL,-OLO,ORO-RUR,LRL,LLL,RRR,ULU,URU.

Figure 34, Sterile Neutrinos and Majoranas seem to have a different origin.

## **The Benjamin Libet find about consciousness: two different Readiness Potentials (I and II) and the possibility to VETO an act.**

Benjamin Libet measured the so called electric Readiness Potential (RP) time to perform a volitional act, in the brains of his students and the time of conscious awareness (TCA) of that act, which appeared to come 500 m.sec behind the RP. The “volitional act” was in principle based on the free choice to press an electric switch button. The results of this experiment gives still an ongoing debate in the broad layers of the scientific community, because the results are still (also in recent experiments) in firm contrast with the expected idea of Free Will and causality. However I would propose the absurd but constructive possibility that we are not alone for decision making in a multiverse as an individual person. Even Max Tegmark suggested already about the multiverse: “Is there a copy of you reading this article?” We could be instant entangled with at least one instant entangled anti-copy person living inside a Charge and Parity symmetric copy Universe. In that case we could construct a causal explanation for Libet’s strange results. New statistical difference research on RPI and RPII of repeated Libet experiments described here could support these ideas. Wikipedia says: “Democracy is a form of government in which all eligible citizens participate equally”. Free will in a multiverse seems to be based on: all instant entangled ideas of copy persons living in all CP symmetric copy universes, have the same possibility to Veto an act and participate equally. If I am able to “Tap into” those instant entanglement connections” sent out by other people, then even telepathic effects (mind reading) could be explained. See also: “Democratic Free Will and Telepathy in the Instant Entangled Multiverse.” <http://vixra.org/pdf/1612.0026v3.pdf>

## **QUANTUM FFF THEORY.**

According to Quantum FFF Theory, ( Function Follows Form) the FORM and microstructure of elementary particles, is supposed to be the origin of FUNCTIONAL differences between HiggsGraviton- 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.

I think that Stephen Hawking did not calculate with the possibility of a chiral oscillating Higgs field vacuum lattice combined with propeller shaped Fermions. Then, due to Vacuum Chirality, Electron- and Positron propellers could both pushed away from the BH horizon after spin flip polarization at different distances, forming two charged separated spheres. With quark ( plasma) formation in between.

Based on such a simple object ( propeller and process) oriented ontology, Black Holes could be imagined as charge splitters violating the 2e law af thermodynamics, combined with a continuous microscopic big bang plasma creation process!

### **The result:**

- 1: Black holes are the same as Dark Matter, they all consume photons, even gravitons and the Axion-Higgs field, but REPEL Fermions due to their propeller shape. They produce electric charged and plasma.
- 2: Dark Energy is the oscillating ( Casimir) energy of the Higgs Field equipped with a tetrahedron lattice structure with variable Planck length..
- 3: Quantum Gravity = Dual Push gravity= Attraction (Higgs-Casimir opposing Graviton push).



- 4: The Big Bang is a Splitting dark matter Big Bang Black Hole (BBBH), splitting into smaller Primordial Big Bang Spinters (PBBS) forming the Fractal Lyman Alpha forest and evaporating partly into a zero mass energetic oscillating Higgs particle based Higgs field.
  - 5: Dual PBBSs hotspots, produce central plasma concentration in electric Herbig Haro systems as a base for star formation in open star clusters as a start for Spiral Galaxies.
  - 6: Spiral Galaxies will keep both Primordial Dark Matter Black Holes as Galaxy Anchor Black Holes (GABHs) at long distance.
  - 7: After Galaxy Merging, these GABHs are the origin of Galaxy- and Magnetic field complexity and distant dwarf galaxies .
  - 8: Black Holes produce Plasma direct out of the Higgs field because two Higgs particles are convertible into symmetric electron and positron (or even dual quark-) propellers (by BH horizon fluctuations).
  - 9: The chirality of the (spiraling) vacuum lattice is the origin our material universe. (propeller shaped positrons merge preferentially first with gluons to form (u) Quarks to form Hydrogen.
  - 10: The first Supernovas produce medium sized Black Holes as the base for secondary Herbig Haro systems and open star clusters.
  - 11: ALL Dark Matter Black Holes are supposed to be charge separators with internal positive charge and an external globular shell of negative charged Quark electron plasma.
  - 12: The lightspeed is related to gravity fields like the earth with long extinction distances to adapt with the solar gravity field.
  13. Quantum FFF Theory states that the raspberry shaped multiverse is symmetric and instant entangled down to the smallest quantum level. Also down to living and dying CATS in BOXES.
  - 14 Large Primordial Big Bang Spinters (PBBS) are responsible for the creation of the Lyman Alpha forest structure and first spiral galaxy forming of the universe, but they seem to be also responsible for the implosion of the universe at the end in the form of Galaxy Anchor Black Holes (GABHs) located mainly outside galaxies. see: (Quasisoft Chandra sources)
  - 15, As a consequence of 12-14, Time is always local time in combination with cyclic period time of the multiverse.
  - 16, If our material universes has a chiral left handed oscillating Higgs field, then our material Right Handed DNA helix molecule could be explained. However it also suggests that in our opposing symmetric anti-material entangled neighbor universe the DNA helix should have a Left handed spiral.
- According to Max Tegmark: in an entangled multiverse we may ask: is there COPY PERSON over there, who is reading the same lines as I do? If this copy person is indeed living over there, then even our consciousness should be shared in a sort of entangled democratic form. Then we are not alone with our thoughts and doubts, see: Democratic Free Will in the instant Entangled Multiverse.
- 17, All particles and waves should be entangled with anti-copy particles and Higgs field based waves in our opposing anti universes. Then wave particle duality and the so called one particle double slit interference could be explained by accepting that real shaped 3D photon particles only exist in their function of Gluons. However Gluons should transfer form information to the oscillating luminiferous Axion-Higgs field ether, within about 1 cm distance from a fermion.(see: Babcock and Bergman anomaly,1964)
  - 18, Different elementary particles have different qualities by their different complex stringy shape. Leptons and Quarks have a propeller shape with left or right handed pitch creating charge difference. Gluons, Photons and Neutrino particles have no pitch.
  - 20, All particles can be converted to one or more Higgs particles, Lepto Quarks can be compound particles.

21, All particles are assumed to be present as Higgs particles already in the cyclic Big Bang Black Hole (BBBH) after the former multiverse has collapsed into a Big Crunch Black Hole.

22, We seem to live inside one material universal bubble of an instant entangled (Charge Parity Time) CPT symmetric raspberry bubble multiverse. Each quantum jump or wave function collapse or human choice is guided by this instant entanglement at long distant. If our material universes has a chiral oscillating Higgs field, then our material Right Handed DNA helix molecule could be explained. However it also suggests that in our opposing Anti materialmultiverse neighbour universe the DNA helix should have a left handed spiral. According to Max Tegmark: in an entangled multiverse we may ask: is There copy pesron over there, who is reading the same lines as I do? If this copy person is indeed living over there, then even our consciousness should be shared in a sort of democratic form,

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

Numbered listing (latest) of Vixra essays by Leo Vuyk. [http://vixra.org/author/leo\\_vuyk](http://vixra.org/author/leo_vuyk)

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[121] [viXra:1903.0102](#) **What Is Wrong With Physics?**

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