

The Raspberry Shaped Multiverse, Pulsating Between Big Crunch and Big Bang, Based on Rigid Transformable massless Axion Higgs particles.

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Abstract,

In particle physics it is an interesting challenge to postulate that the rigid FORM and topological structure of elementary particles is the origin of different FUNCTIONS of rigid transformable string particles.

The resulting model is called “Quantum FFF Theory” (FFF=Function Follows Form).

As a consequence however, the standard model should be extended with an alternative Higgs boson of different mass series (recent LHC measurements) as a base for unstable microscopic dark matter black hole (DMBH) nuclei (for Ball Lightning as interference Higgs knots) up to stable (Sunspot and S-Nova) black hole nuclei merging into a cyclic Big Crunch/ Big Bang nucleus.

Dark Energy of the vacuum is assumed to be created by an oscillating massless springy stringy Axion/Higgs field virgin vacuum particle, being one half of a new emerging quantum gravity system combine with the opposing pressure of a pushing graviton. .

The vacuum particles are assumed to oscillate in tandem inside spiral (chiral) flux tubes between photon communication nodes with a variable Planck length as a base, creating a tetrahedron based chiral vacuum lattice connected by nodes between two tetrahedrons.

As a result, the dark matter black hole Big Bang was the cold explosion into dark matter black hole splinter chunks evaporating into the oscillating Axion/ Higgs field and series of smaller chunks, leaving a trail of Hydrogen creating stable black holes behind, also called the Lyman Alpha forest.

So, the new extended standard model is based on different geometrical string structures for Higgs based dark matter black holes but also extended with a monopole photon/ Gluon system.

Introduction.

In this paper I present possible 3D particle solutions based on only one complex 3-D ring shaped Axion-Higgs particle, which is equipped with three point like hinges and one splitting point, all four points divided equally over the ring surface. (figure 4)

The 3-D ring itself is postulated to represent the “Virgin Mother” of all other particles and is coined Axion-Higgs particle, the ring is equipped with 3-hinges coded (OOO), which gives the particle the opportunity to transform after real mechanical collision with other particles into a different shape, with a different function and interlocking abilities with other particles to form Quarks quantum knots and all other particles.

Thus in this Quantum Function Follows Form theory, the Axion-Higgs vacuum particle is interpreted as a massless singular transformer but rigid string particle able to create the universe by transforming its shape after real mechanical collision and merging with other shaped particles into complex and compound knots like quarks, W Z and Higgs particles of different masses and even ball lightning and other black hole nuclei.

If we assume that different massive Higgs particle knots are the origin of different evaporation times, then there is reason to assume that the trajectory lengths measured from the source, before evaporation are covariant, without any radiation curvature.

It is assumed that the vacuum is seeded with massive numbers of massless Axion-Higgs (A-Higgs) particles, all energetic oscillating inside a chiral vacuum lattice system and as such the origin and bearer of all energy in the universe.

If by a local energy excess e.g. at black hole horizons, two A-Higgs particles collide with enough energy, it is assumed that an electron and positron emerges by internal hinge transformation.

Due to the propeller shape of the Fermions, these Fermions are assumed to spin by a constant collision and scattering process with the Higgs vacuum, changing A-Higgs particles continuously into different forms of Photon or Gluons.

This collision scattering process is proposed to be the base for the “eigen energy” of Fermions.

Thus Fermions are constantly consuming and transforming vacuum particle energy into photons and gluons.

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 di 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 2)

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.

We do live inside and exploded cyclic particle black hole nucleus. (figure 6)

- 1: Black holes (BHs) are the same as Dark Matter, is the same as triple or quadripole Higgs quantum knots 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 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 with electrons.
- 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.

NEW>>>>>>>>>>>>>

13. Quantum FFF Theory states that the raspberry shaped multiverse is symmetric and instant entangled by so called WORMHOLE BRIDGES (ER=EPR) down to the smallest quantum level between different raspberry berries=universes. Nonlocal entangled down to each quantum and even living or dying CATS in BOXES.
- 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)
- 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 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.

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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

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 Vigiér 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".

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.

15 particles transformed from only one massless Axion/Higgs “Virgin” particle coded: (OOO) able to Interlock with each other.



Fermionic propeller shaped Quantum Knots (right) and Higgs Boson based Quantum Knot-Black Holes (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)



Figure 1 Multiple combination of quantum knots. Knot 1: left: three magnetic monopole photons (125 GeV, silver) Knot 2: right: 4x x-ray photons (375 GeV, black)

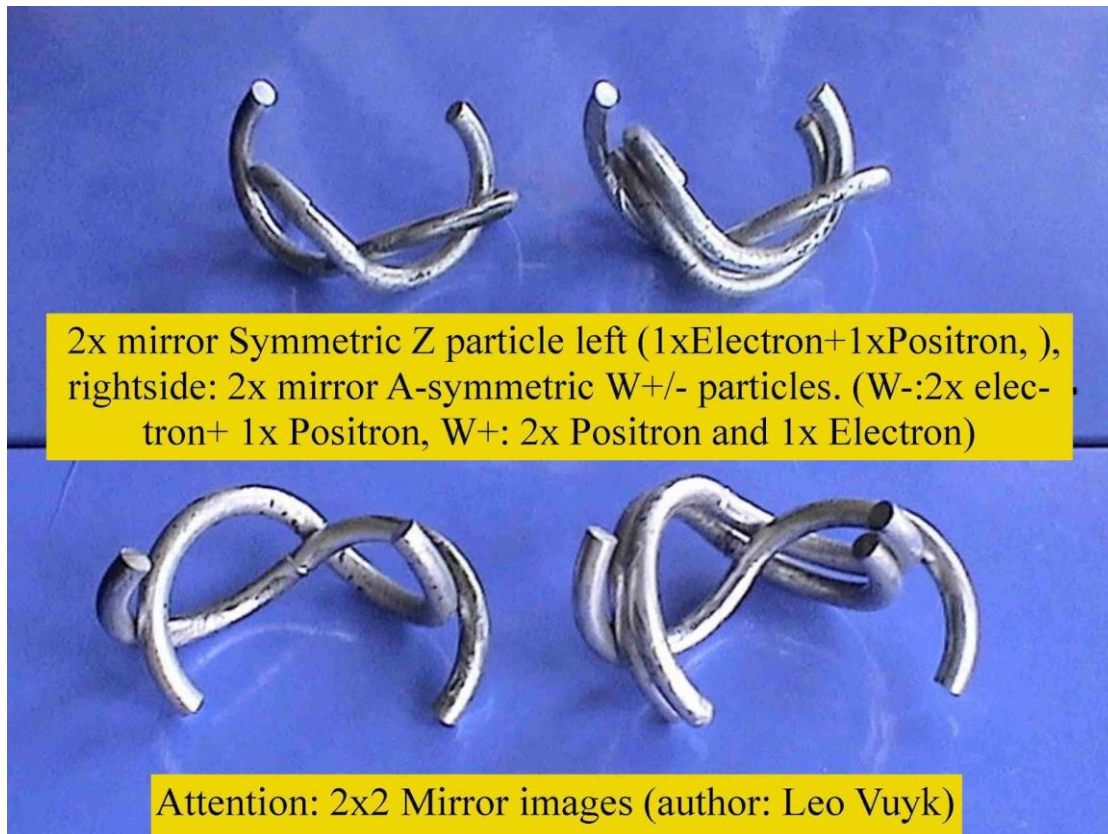


Figure 2 Geometric proposal for the Z and W particles. Z particles are symmetrical without propeller spin effects. W particles are not symmetrical with propeller spin effect left or right spin.

A combination of multiple Z particles could lead to Z-Z decay with 650 GeV as measured by the LHC.

Dual Z particles: a combination of 2x electrons and 2x positrons, according to the Quantum FFF Model.

LHC-CMS in ZZ channel. The massless transformable ring shaped Axion /Higgs vacuum particle is supposed to act as the mother of all single and compound rigid string particles fermions/neutrinos, photons etc. Massive ZZ particles are compound electron /positron interlockers, with 650 GeV in the LHC-CMS (example below)



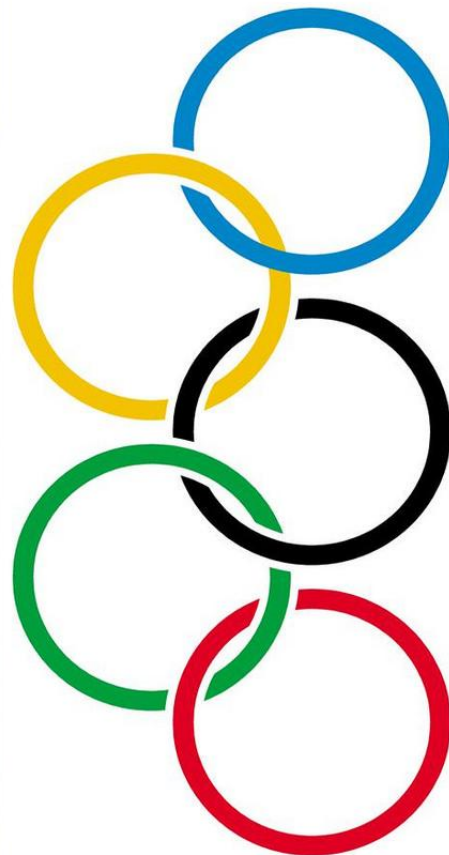
Figure 3, the massive ZZ channel particles.

Rigid String Quantum (3 or 4x) Ring Knots, adding up to higher mass unstable micro quantum black hole nuclei.

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)



Some suggested ring configurations



Some other combinations



2x mirror Symmetric Z particle left (1xElectron+1xPositron,),
 rightside: 2x mirror A-symmetric W+/- particles. (W-:2x electron+ 1x Positron, W+: 2x Positron and 1x Electron)

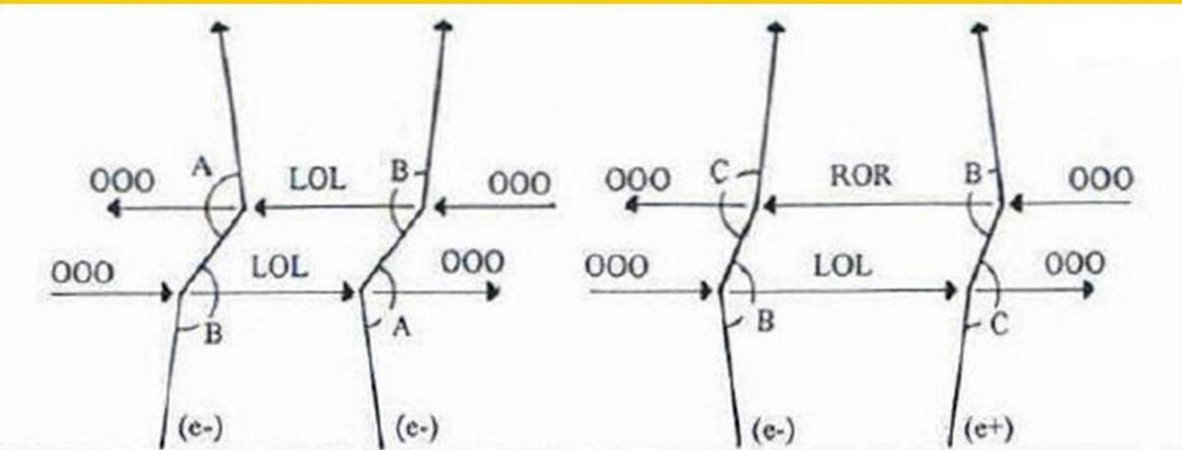
Figure 4, The geometric principle of Quantum FFFModel.

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.

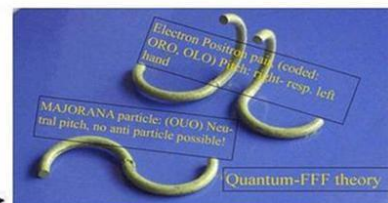
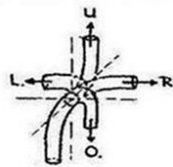
Feynman diagrams



(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)



Summary with oscillation routes : (↔) or the definite Graviton decay route (→)

Spin 0 particle:

OOO = Higgs particle.

Spin (2) particles:

ROL (or LOR) = Graviton

Spin 1 particles:

UOU, ROU, LOU, ROR, LOL = General Photon (also Gluon)
 = Em. North Photon (also Gluon)
 = Em. South photon (also Gluon)
 = E+ photon (also Gluon)
 = E- photon (also Gluon)

Only These particles are building - blocks for Quarks.
 Direct W. quark oscillations d ↔ s...

Spin ½ particles

Weak interactions

Gluon-Neutrino oscillations

= Positron.
 = Electron → OOU

UUU, LUL, RUR

= Electro-Neutrino
 = Anti-electro Neutrino
 = Muonic Neutrino
 = Anti-Muonic Neutrino
 = Tau Neutrino
 = Anti-Tau Neutrino

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 5, The geometric particle principle of the Quantum FFF Model with adapted Feynman diagrams.

Geometry of a new Physics 3-Dimensional Particle system according to Quantum FFF Theory.

OOO= Higgs particle equipped with internal three HINGES and 79 possibilities for 90 degree rotation. (see below) due to symmetry reasons (underscored particles) only 42 different shaped particles remain. Only 15 different shaped particles are needed to construct all standard model particles according to the Quantum FFF Theory model. (See right panel)

LOO-LOL-LOU-LOR—ROL-UOL-LOL-OOL
 LLO-LLL-LLU-LLR—RLL-ULL-LLL-OLL
 LUO-LUL-LUU-LUR—RUL-UUL-LUL-OUL
 LRO-LRL-LRU-LRR---RRL-URL-LRL-ORL

E photon: LOL ROR
 M photon: LOU ROU
 X-ray /vis photon: UOU
 Graviton; ROL (or LOR)

ROO-ROR-ROU-ROL---LOR-UOR-ROR-OOR
 RLO-RLR-RLU-RLL---LLR-ULR-RLR-OLR
 RUO-RUR-RUU-RUL---LUR-UUR-RUR-OUR
 RRO-RRR-RRU-RRL---LRR-URR-RRR-ORR

Electron: ORO.
 Positron: OLO.
 Majorana: OUO

UOO-UOU-OUU
 ULO-ULU-OLU
 UOO-UUU-OUU
 URO-URU-ORU

HINGE ROTATIONS

O= Ring shape
 L= Left 90 degr.
 R= Right 90 degr.
 U=Up 180 degr.

OLO-ORO-OUO. Calabi Yau rotation result.

Neutrinos:
 LLL-RRR = ν E (+/-)
 LLU-RRU= ν Mu (+/-)
 ULU URU= ν Tau (+/-)

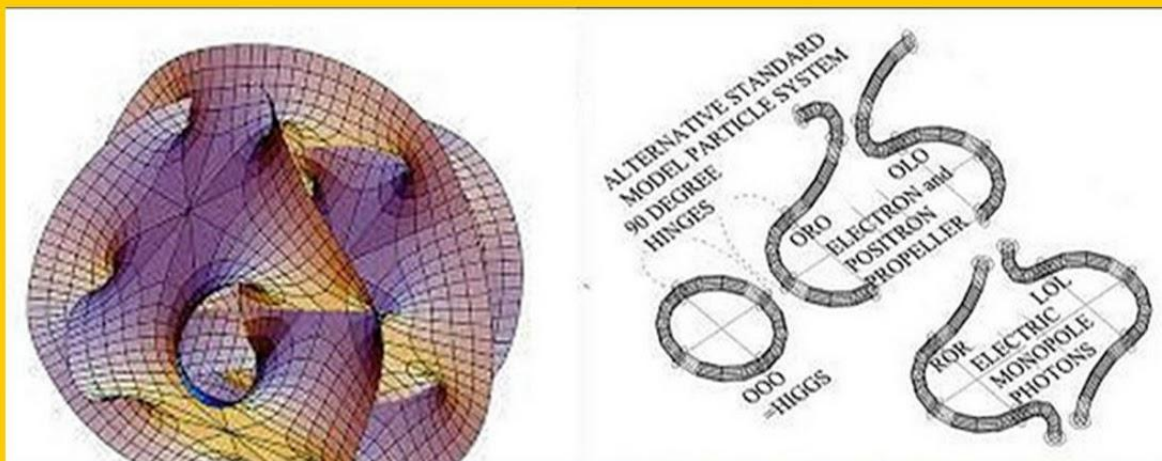


Figure 6, The principle based on 3x hinge rotations of 90 degrees.

The Beginning and End of Time.

Raspberry Multiverse cycle time versus quantities of Total rigid string particles subdivided into Dark Matter Black Hole (DMBH) particles, massless oscillating Dark Energy (DE) Axion/Higgs particles and Real particles. (matter and anti-matter)

The cyclic Multiverse depicted as continuous flow of increasing and decreasing numbers of Axion/Higgs particles, located inside DMBHs or as DE vacuum system or derived as real extended standard model particles.

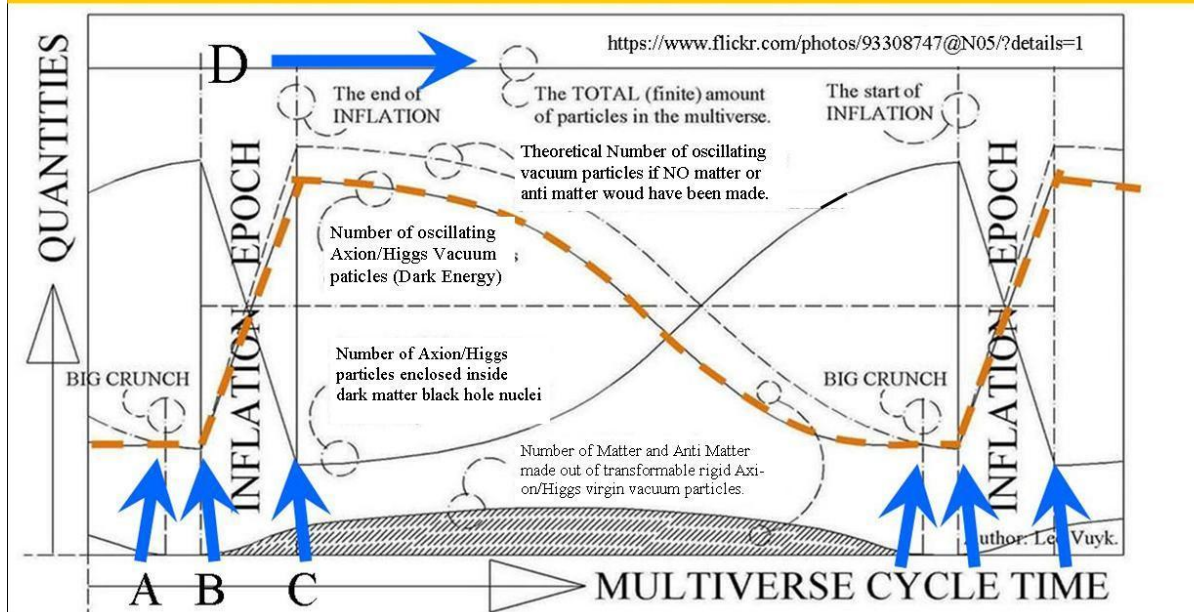


Figure 7, The beginning and end of time.

A= The end of time of the former multiverse.

B= The beginning of time of the next multiverse.

C= The start of the multiverse vacuum absorption by the growing number of dark matter black holes (supernova or kilonovas)

D= The total constant number of particles during the extended cyclic process.

Figure 6: The Beginning and End of Time.

Raspberry Multiverse cycle time versus quantities of the total number of rigid string particles sub divided into Dark Matter Black Hole (DMBH) particles, massless oscillating Dark Energy (DE) Axion/Higgs particles and Real particles. (matter and anti-matter)

The cyclic Multiverse depicted as continuous flow of increasing and decreasing numbers of Axion/Higgs particles, located inside DMBHs or as DE vacuum system or derived as real extended standard model particles.

The Origin of energy overdensities in the CMB

The Cosmic Background (CMB) energy overdensities can be explained by a Big Bang Black Hole splitting and evaporation process, according to Quantum FFF Theory.

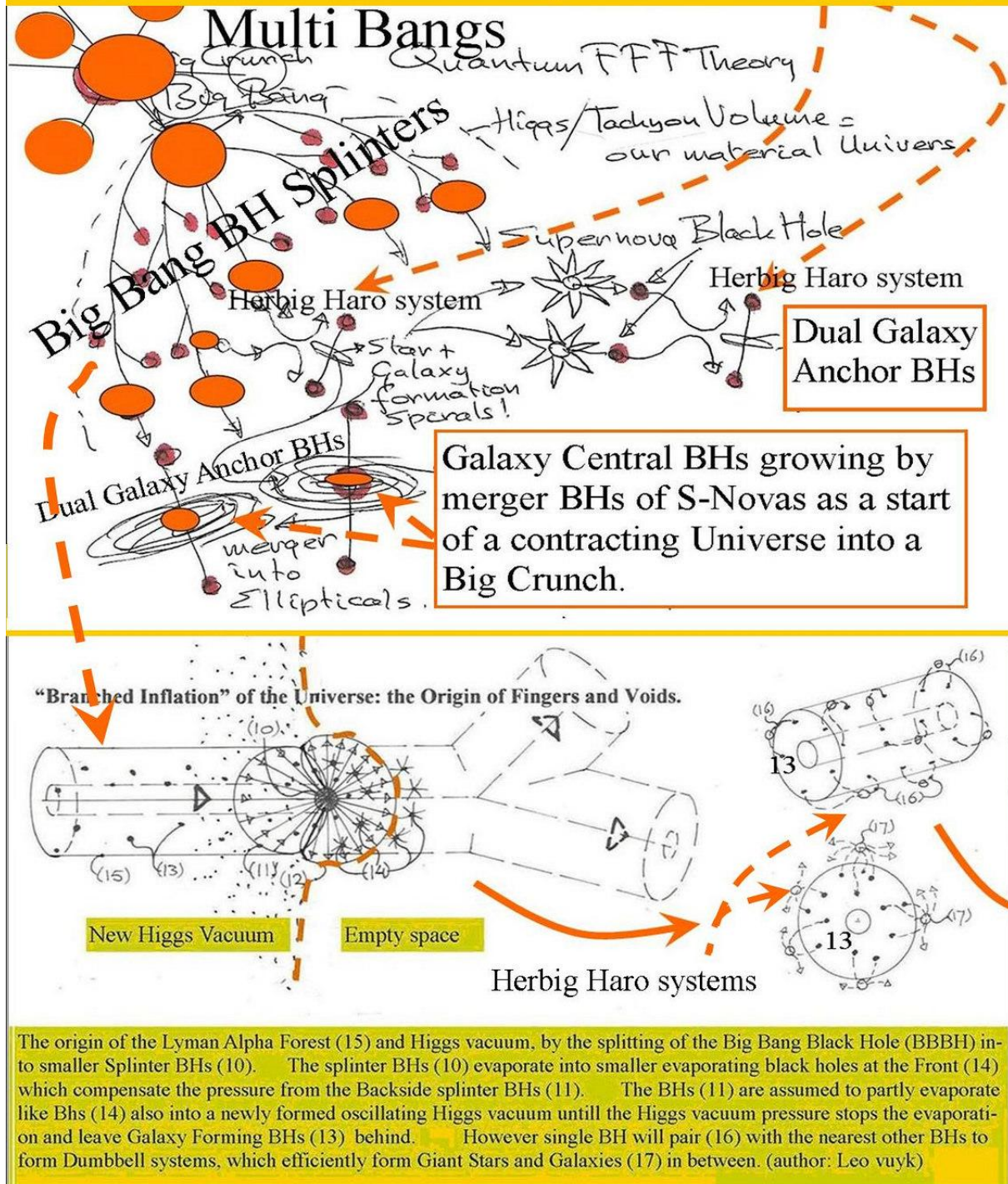
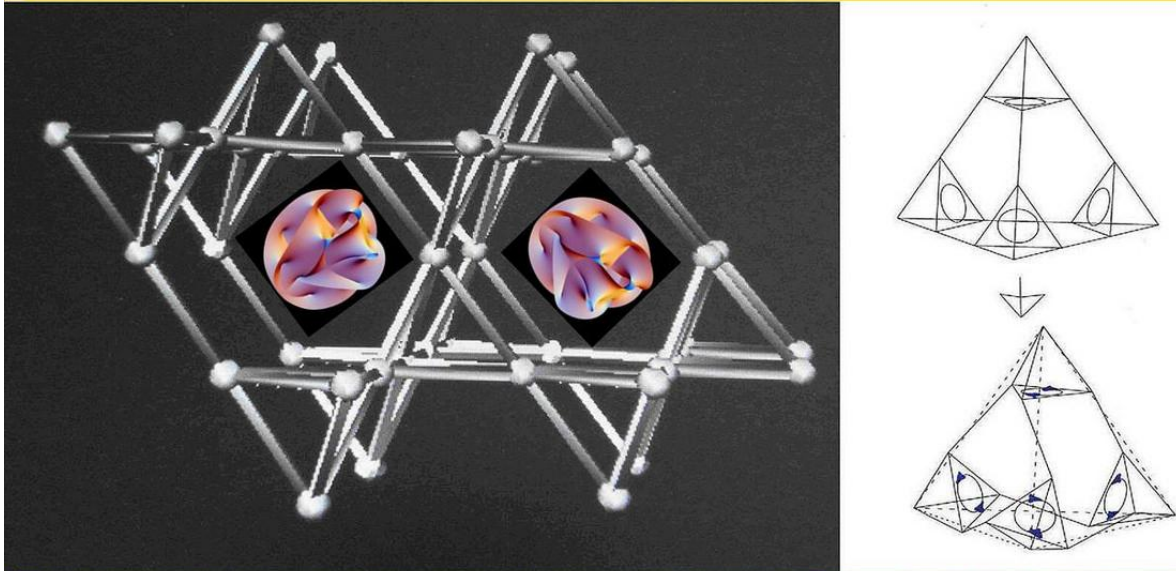


Figure 8, The origin of overdensities in the CMB radiation. And the formation of black hole driven Herbig Haro systems to form new open star clusters.

Chiral oscillating Axion-Higgs vacuum structure.

Big Bang Supersymmetry between two entangled universes means that propeller shaped fermions have magical entangled mirror partners in the other anti mater universe.



Symplified tetrahedral vacuum lattice structure (left), constructed by complex chiral tetrahedral building blocks (right). Each universe has to choose between a left- or righthanded rotation of its tetrahedral building blocks. Each chiral lattice has the Planck length and is supposed to be equipped with at least two oscillating massless new Higgs particles.

Synchrotron radiation by Polarized Fermion spin combined with high speed motion through the resistive oscillating Higgs vacuum (according to Quantum FFF theory)

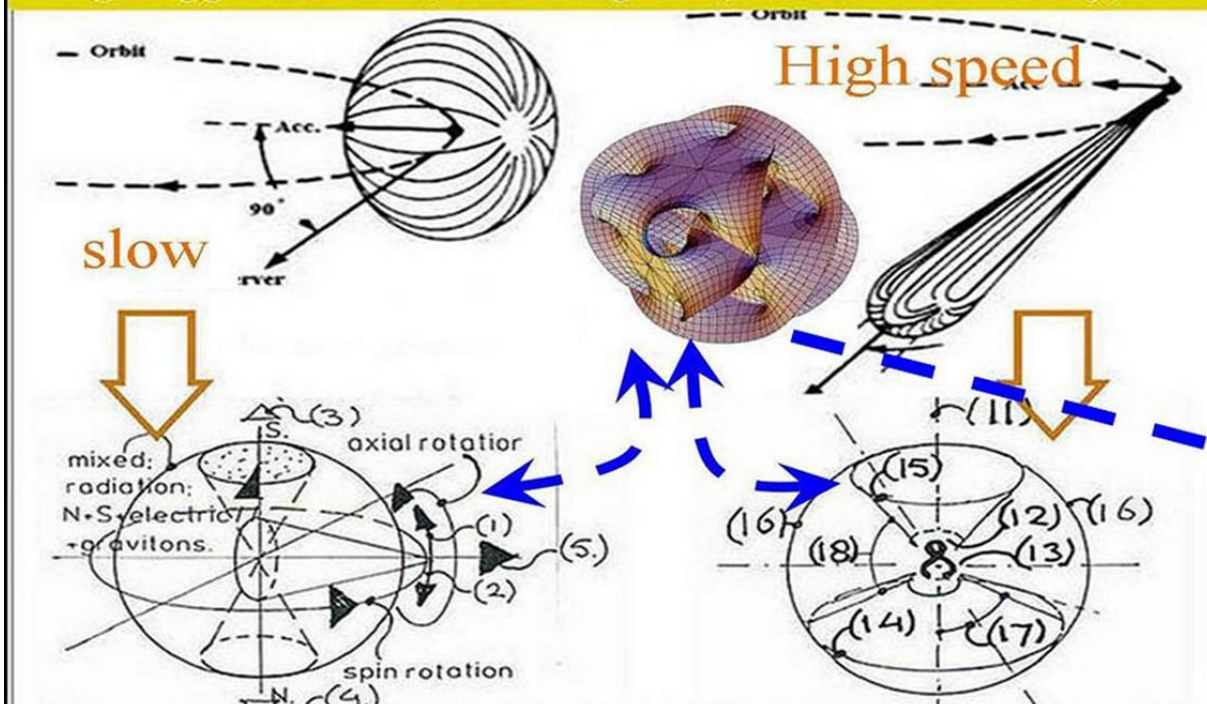


Figure 9, Chiral oscillating Axion/Higgs vacuum system. With Calabi yaw surfaces for Fermion propellers.

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

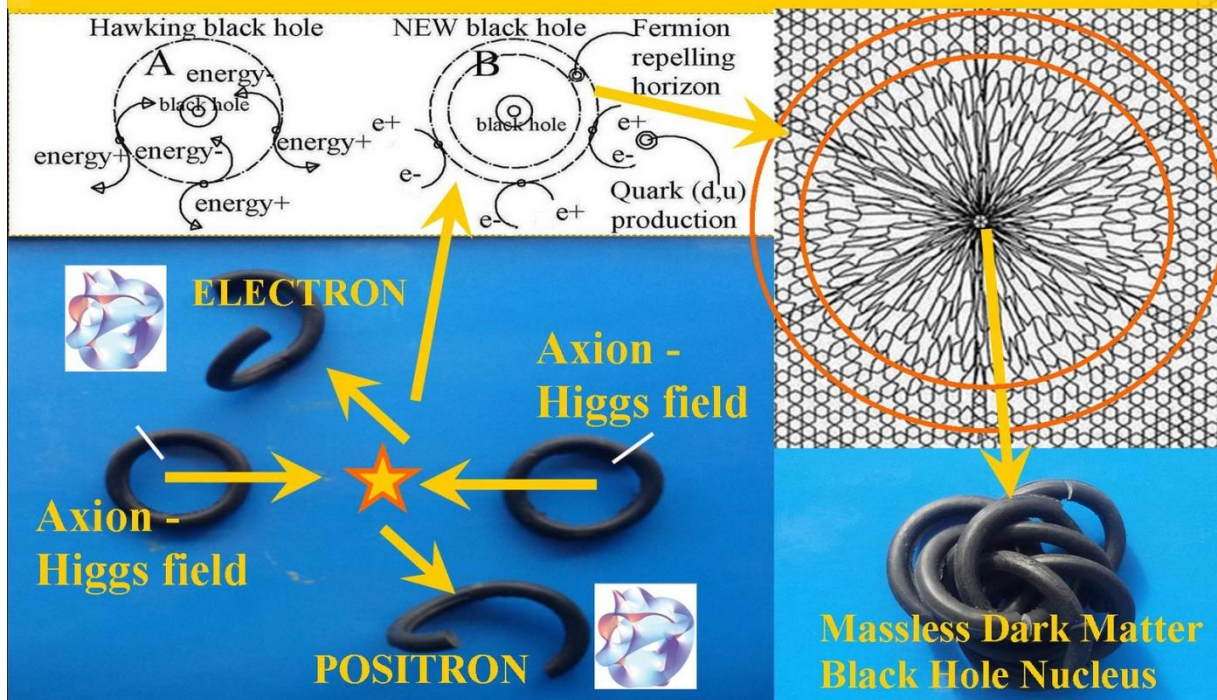
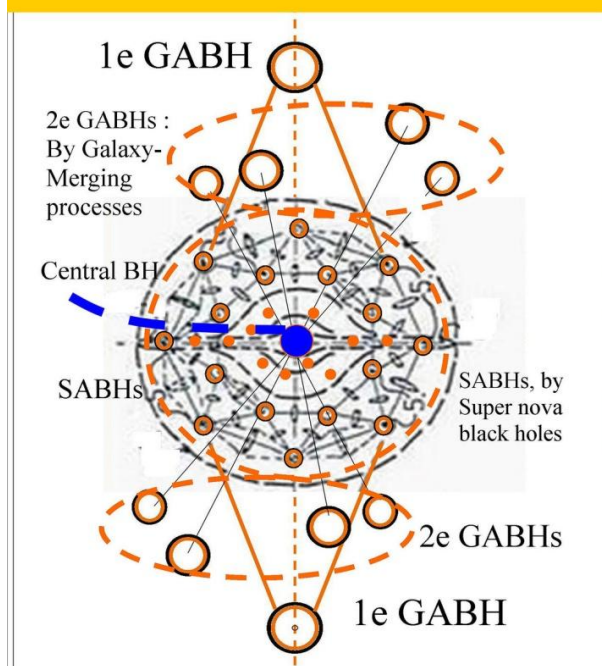


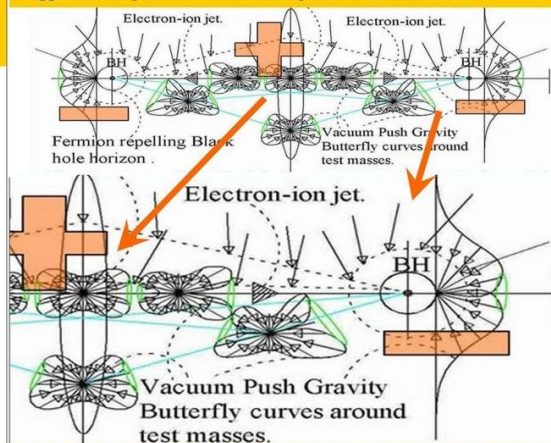
Figure 10, Pair production by collision of Axion Higgs field particles mainly at black hole horizons.

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 Alfven 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 Quantum FFF Theory.

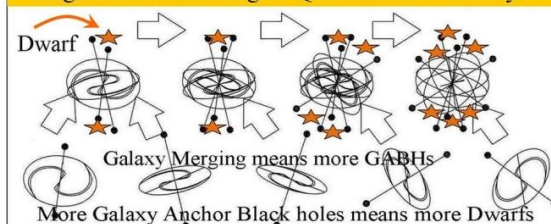
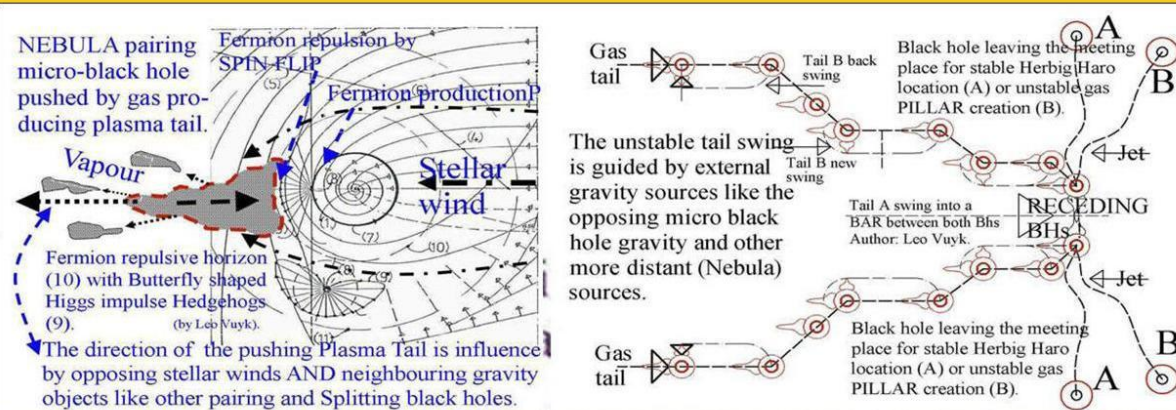


Figure 11, 4x main black hole families 1st GABHs 2nd GABHs Central Galaxy BHs and Supernova BHs. See also: interference BHs. (fig.16)

Splitting and pairing electric dark matter black holes. Magic self propelling in space and even on earth according to Quantum FFF theory.



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

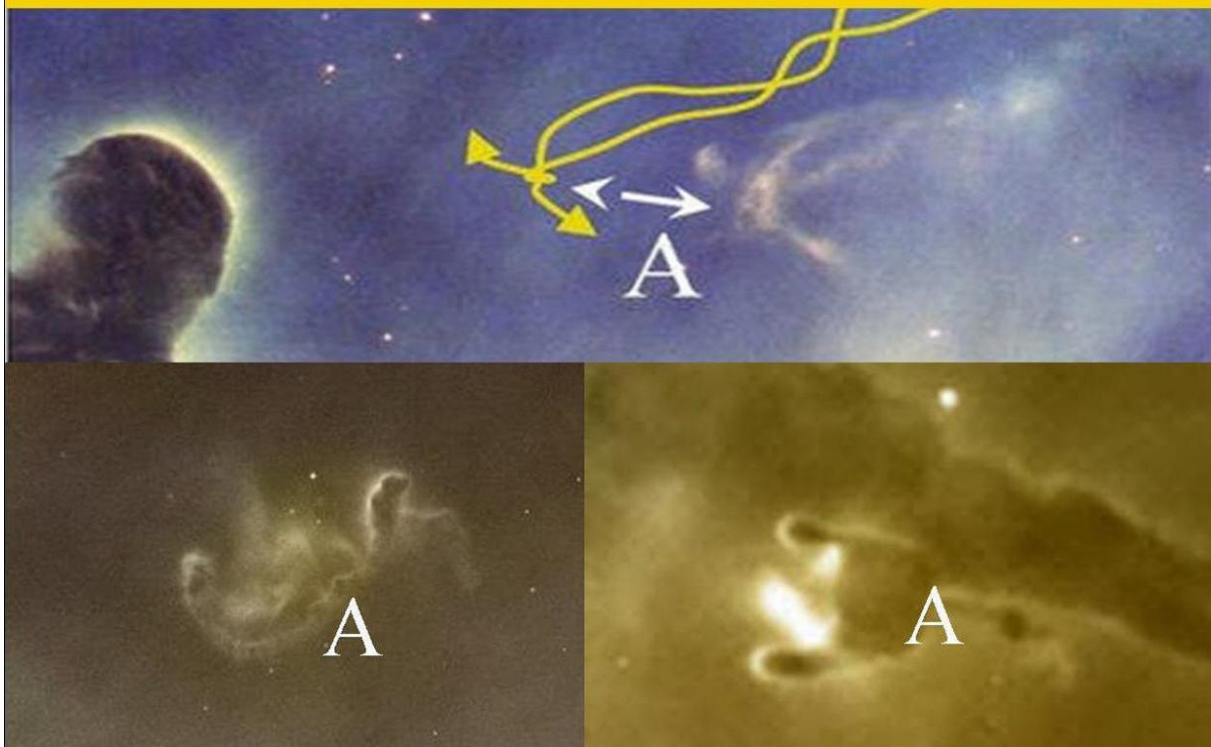


Figure 12, Splitting and Pairing Electric Dark Matter Black Holes.

“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 . new physics black holes.

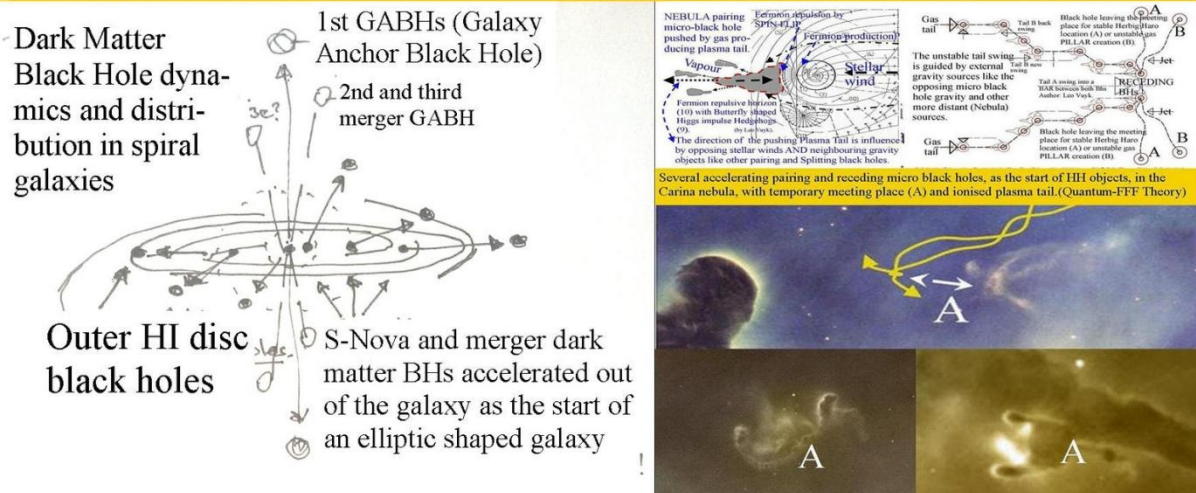


Figure 13, Black holes may lurk at the edge of each spiral galaxy.

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).

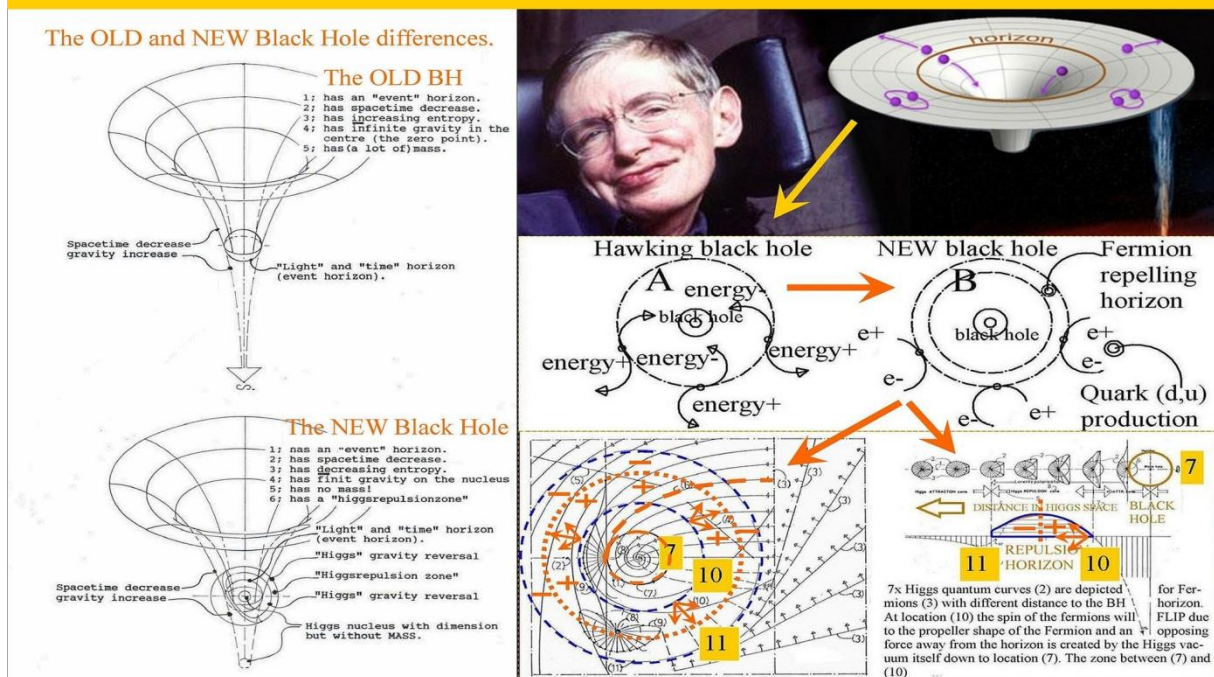


Figure 14, The new physics electric dark matter black hole different from Hawking's BH.

'Black Hole Splitting for (TDRG)' J1216+0709

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

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



'Triple-Double Radio-Galaxy (TDRG)' J1216+0709

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.

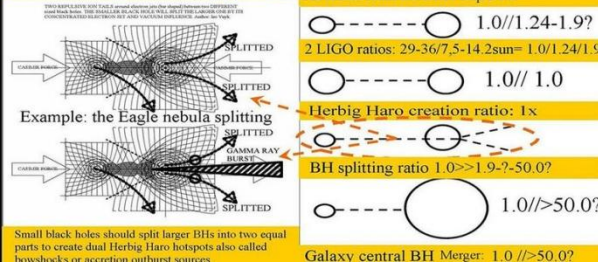
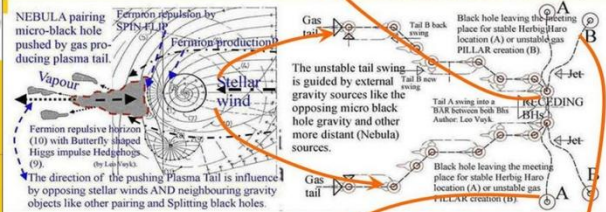


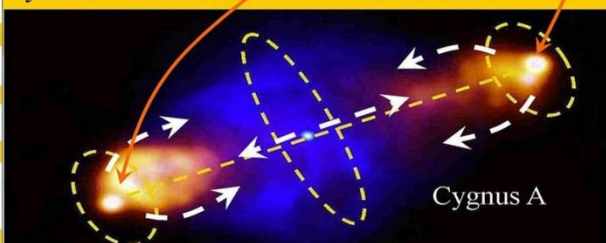
Figure 15, Black hole splitting also active for TDRG galaxies.



Markarian 231



EDM-BHs: Electric Dark Matter -Black Hole systems seem to be active at all scales.



Cygnus A

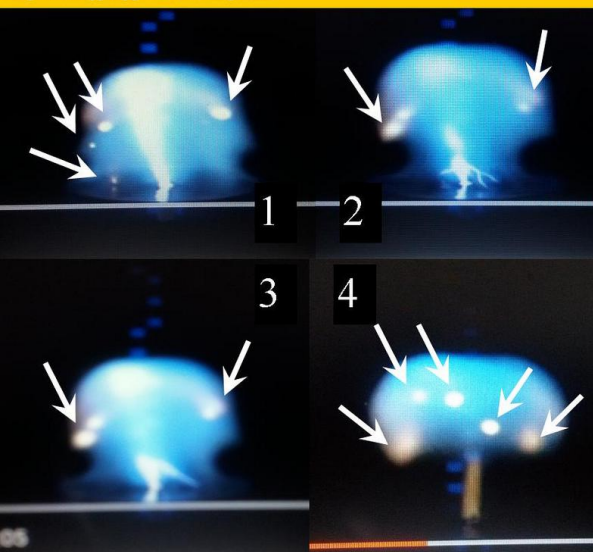
Examples of evaporating Photonic Molecules or Quantum Knots or Ball Lightning or Micro Comets .

Kugelblitz - hochaufgelöst / Ball lightning in high resolution. Max-Planck-Institut für Plasmaphysik (youtube 2014)

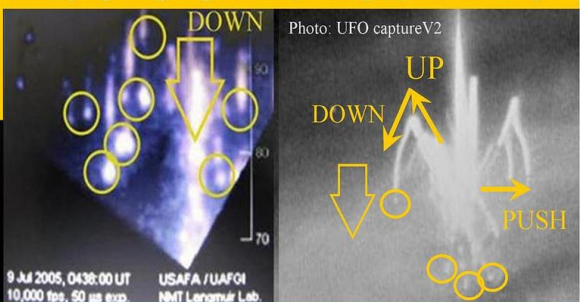
As shown by the high-speed camera, first a surface discharge with thread-like plasma structures is generated.

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/kugelblitze>



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

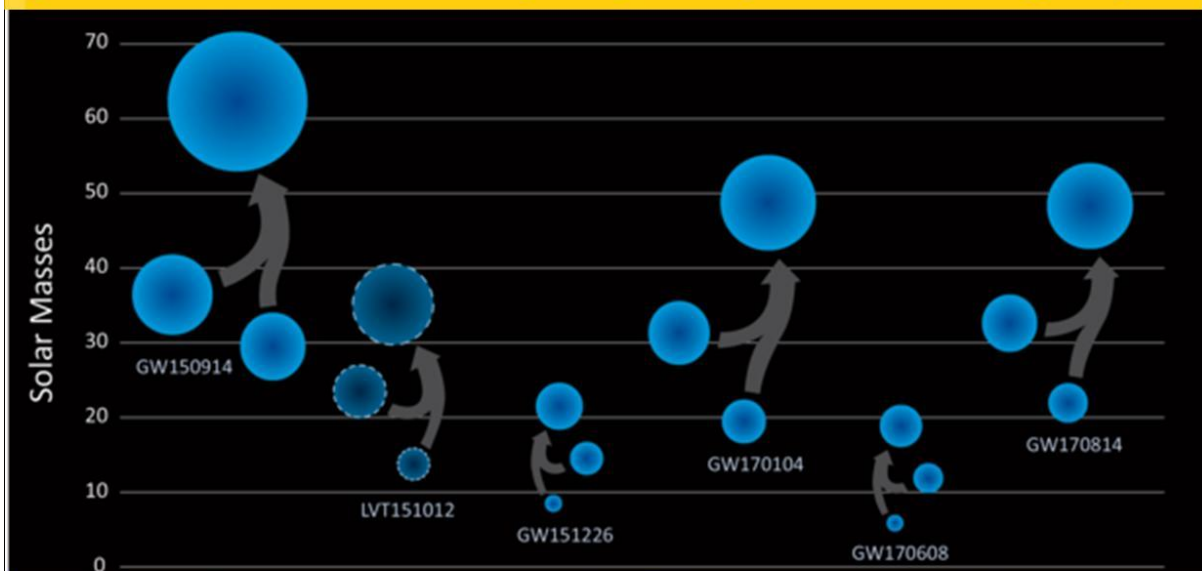


The UP direction is assumed to be the interference trajectory ending into the quantum knot (micro BH), falling down by gravity influence, but PUSHED away by the electric anode effect. The quantum knot is supposed to have a negative charged electron Shell, around a positive charged ionised nucleus.



Figure 16, unstable Interference black holes like ball lightning and micro comets.

Merger BHs seem to have specific mass ratios: between 1: 1.25 --1.9, as Quantum FFF Theory predicts.see below. and: <http://vixra.org/pdf/1710.0257v1.pdf>
 Equal sized BHs are not supposed to merge, but repell from each other and form a "Herbig Haro system" with star formation in the middle. However, If the ration is $1 \gg$ than 1.9, up to say 50. we may expect to find a splitting BH. system creating equal sized BHs for a Herbig Haro system. If the ratio is much higher I suggest: above 1: $\gg 50$ the direct absorption by the larger BH should be happening .



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.

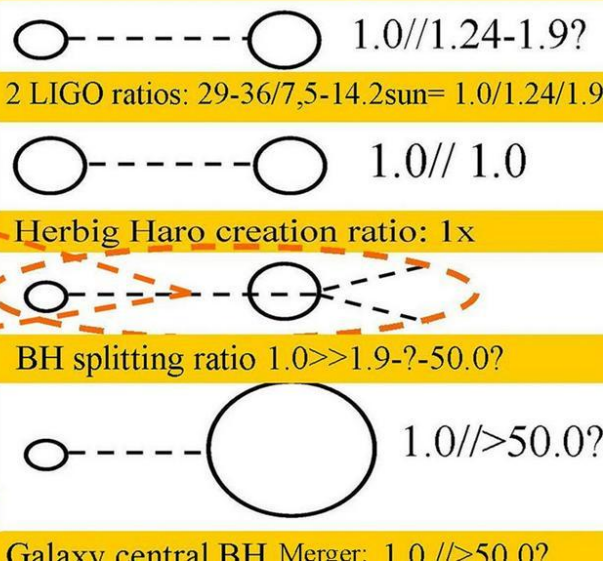
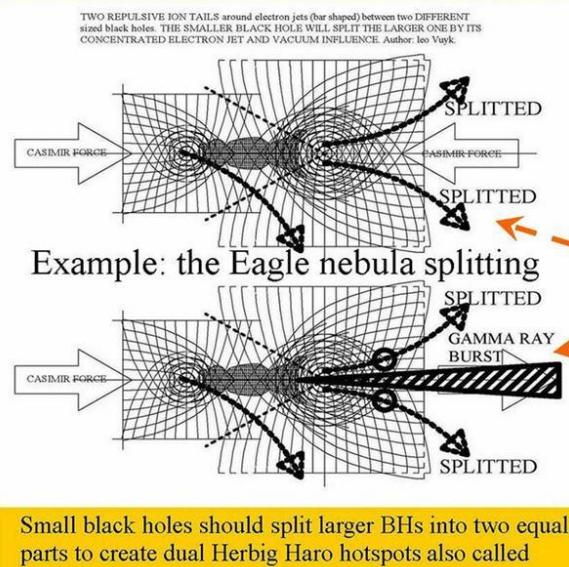


Figure 17, LIGO black hole ratios between certain boundaries.

PSR B1509-58 Pulsar nova (blue)with ejected 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 BH ring, which supports the quantum gravity difference between BHs and Neutron fermionic matter.

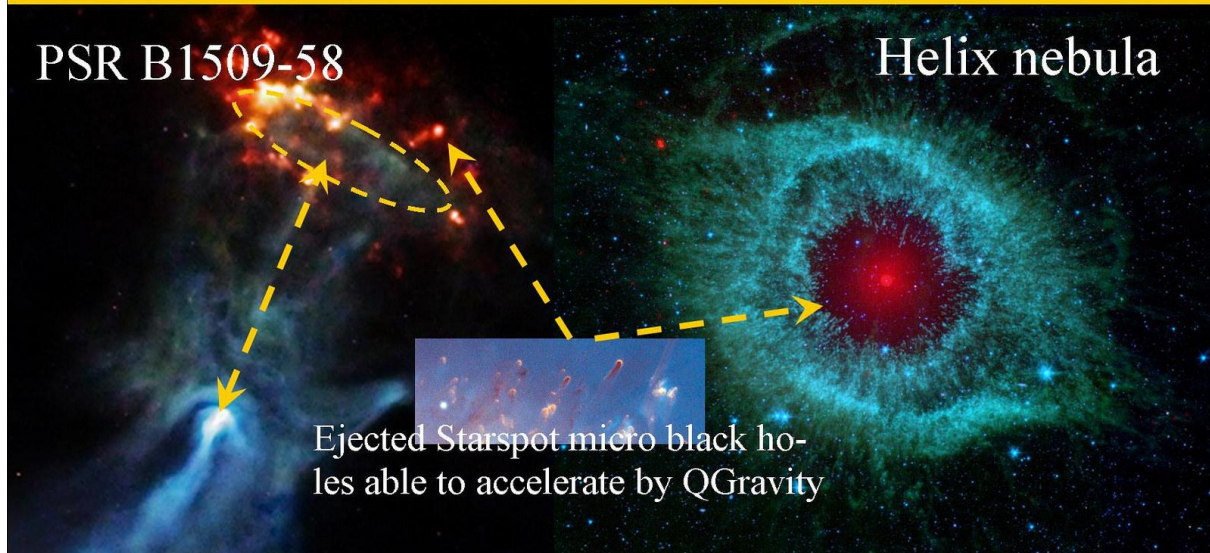


Figure 18, Starspot BHs observed at pulsar nova and Helix nebula.

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.

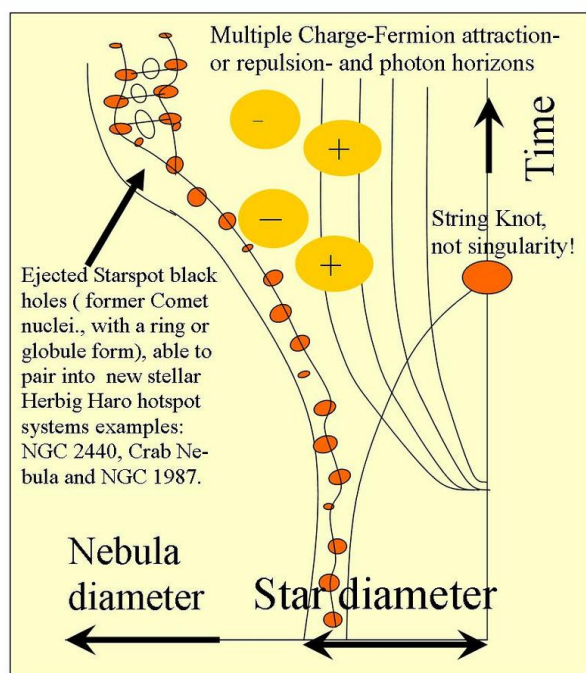
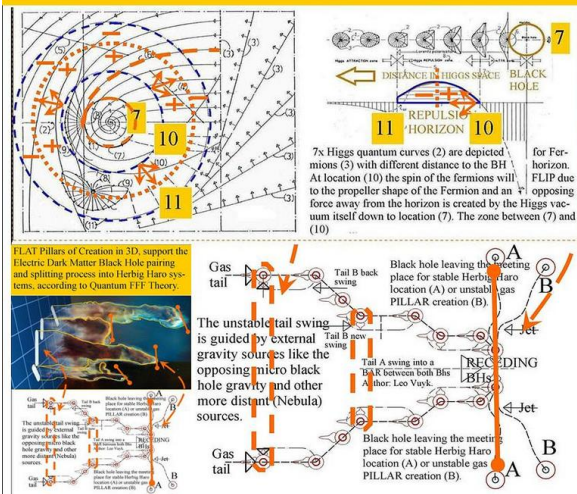
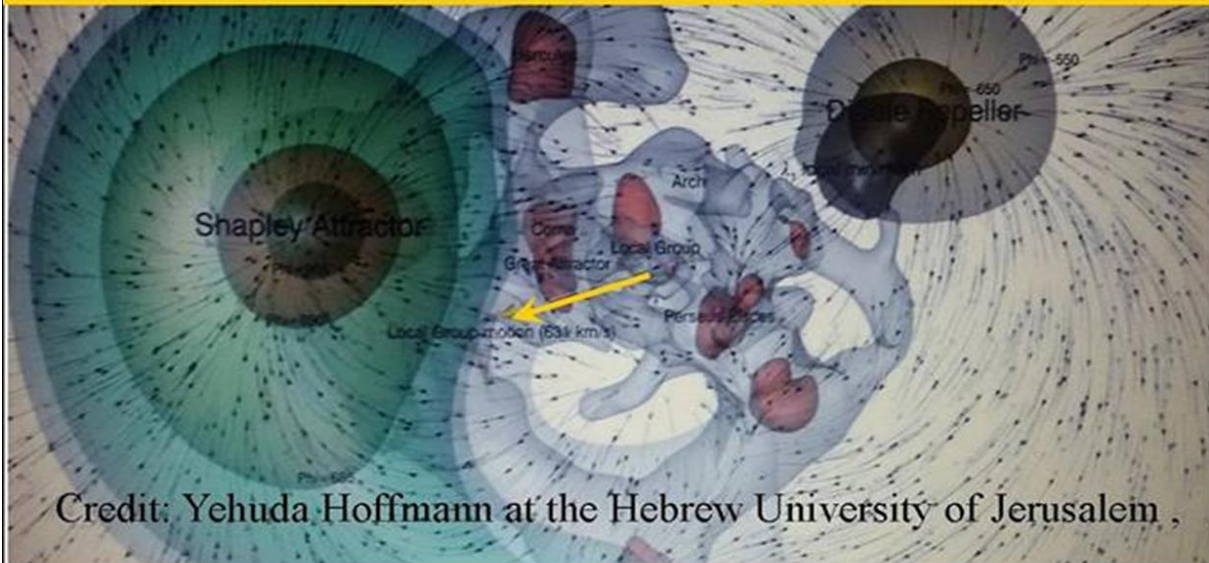


Figure 19, Multiple horizons around black holes.

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)

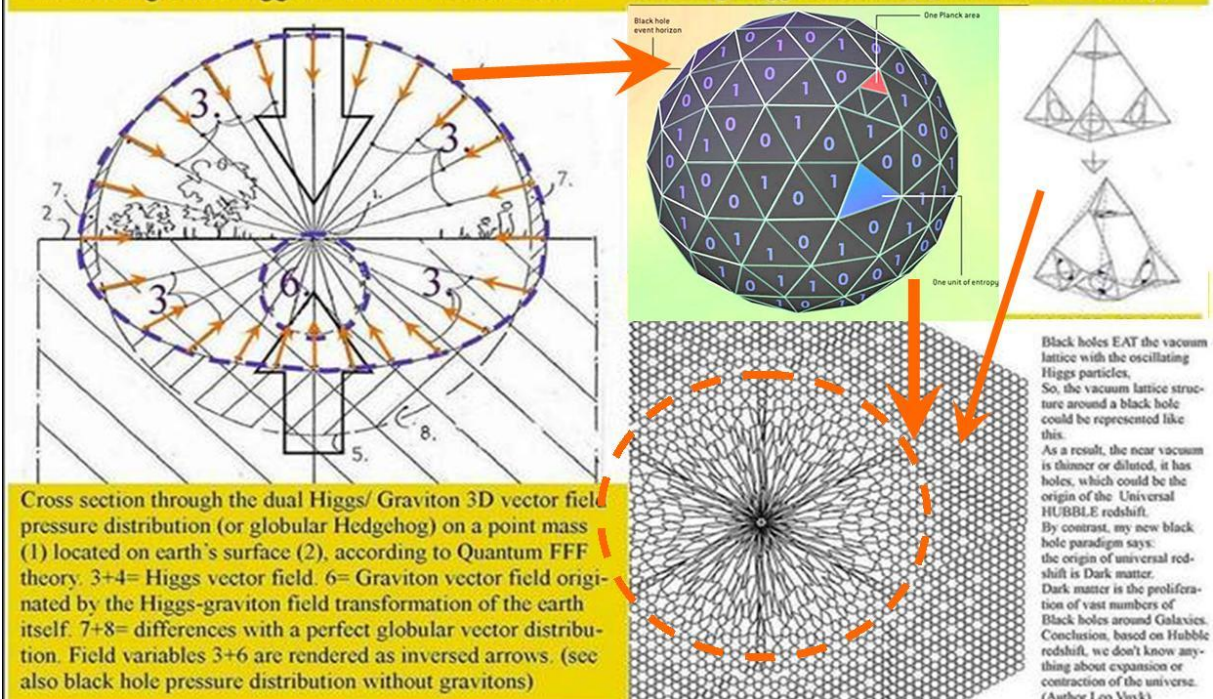
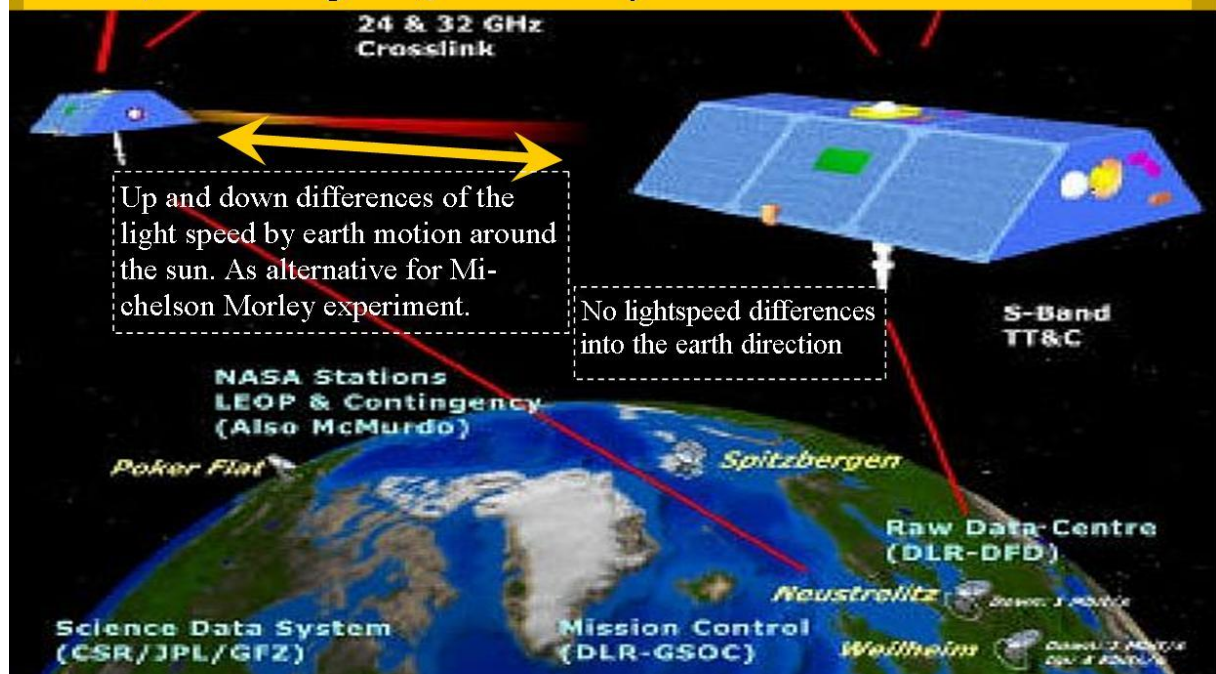


Figure 20, Entropic or emergent quantum gravity according to Quantum FFF Theory.

Future Grace satellite experiment as alternative for the Michelson Morley etherwind experiment, reduced by Earth light-speed drag of the Lasof: Local Asymmetric Oscillating vacuum Frame) according to Q-FFF theory.



Incidental variable lightspeed already found in CHAMP-GPS outliers parallel to earth motion.?

A clear example of GPS failure for sat-sat signals at higher altitudes (CHAMP: 430 km, GPS: 20.000km) Kinematic orbit solution comparison showing GPS data outliers up to 180 meters, (2x) during a CHAMP flight long 24 hours with 15 earth revolutions in 2003.

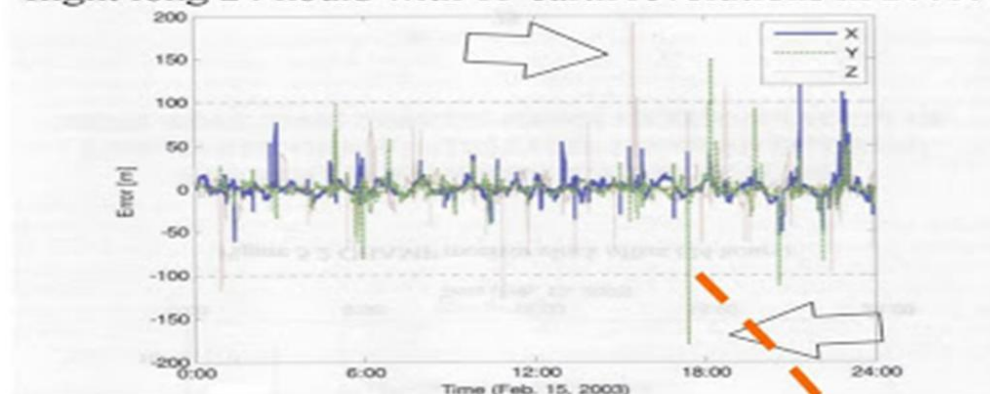


Figure 5.3 Comparison of the absolute kinematic orbit solution, w.r.t. RSO.

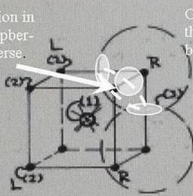
Credit: Tae Suk Bae, 2003, Ohio State university.

Figure 21, Future GRACE satellite based lightspeed experiment.

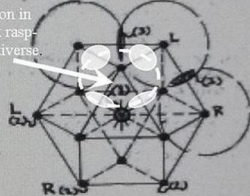
Our position in the 8 or 12 !!! fold raspberry multiverse. Elliptic shaped CMB peak radiations are tell tales. (left). At the rightside a 12 fold symmetric cube octahedron multiverse diagram is depicted with red: matter and green: anti matter entangled universes.

CONFIGURATION FOR 8 OR 12 UNIVERSES.

Our position in the 8x raspberry multiverse.



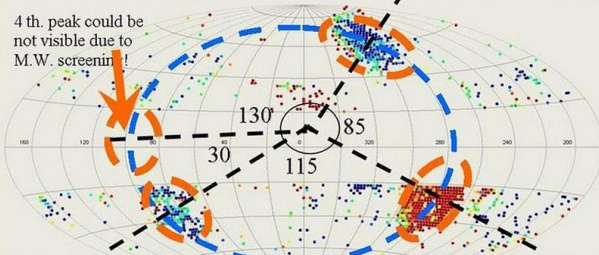
Our position in the 12!!! x raspberry multiverse.



- 1: pre-virgin singularity.
- 2: virgin singularity with (L) left or (R) right handed spin. (R and L are always opposite)
- 3: contact areas of expanding Universes. (L and R handed Universes will annihilate each other)

Three extreme fluctuations (elliptic shaped peaks) in the Cosmic Background radiation tell us about our position inside the 8-or 12 fold raspberry multiverse, according to Quantum FFF Theory.

4th. peak could be not visible due to M.W. screening!



FLUCTUATION ANOMALIES IN THE COSMIC MICROWAVE BACKGROUND. CREDIT: V. G. GURZADYAN AND R. PENROSE.

3 , 4 or 5x elliptic Contact areas in the CMB?

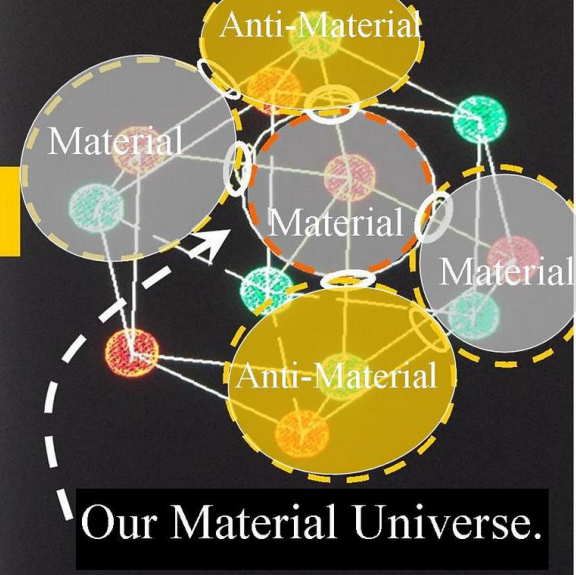


Figure 22, How we could measure our position inside our universal bubble of the raspberry shaped multiverse.

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