

2 Signals for retarded Big Bang Black Hole Nucleus Splitting and Pairing into Dual Black Hole Herbig Haro Systems.

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Abstract.

According to Quantum Function Follows Form Theory, the Big Bang was the evaporation and splitting of a former Big Crunch black hole nucleus of compressed Axion Higgs particles into the oscillating Axion /Axion Higgs field vacuum lattice respectively into chunky nuclei of primary dark matter black holes.

Now recent HST observations show us a possible retarded splitting process at 10.8 billion light years and even a dual energy source which seem to point to an early Herbig Haro system at even 13.8 billion light years.

The vacuum Lattice is supposed to represent a dynamic reference frame and the so called Dark Energy or Zero Point Energy acting as the motor for all Fermion spin and as the transfer medium for all photon information, leading to local lightspeed and local time.

The energetic vacuum lattice is also assumed to act as a Gravity Quantum Dipole Repeller because gravitons do not supposed to attract- but repel Fermions with less impulse than the vacuum particles.

Recently I found that the merging of galaxy clusters itself show dynamic observational signs of a contraction of the vacuum inside the merging galaxy clusters by the anomalous central clustering of the dark matter black hole content which seems to be stripped from the individual galaxy clusters located at the borders of the new super cluster.

If there is vacuum absorption inside galaxy clusters, (Black Holes EAT the vacuum (Axion Axion Higgs field) then we also may assume that the universal vacuum between galaxy clusters should be also subjected to this absorption process, as a sign for universal contraction leading to a big crunch black hole.

Introduction.

According to Quantum FFF Theory, the fourth dimension (Local Time) seems to be the oscillation based photonic local transfer speed of the Axion-Higgs doublets along the local Cosmic lattice edges of the vacuum spin field.

Axion- Higgs particle doublets are supposed to oscillate in "tandem" or doublets (like a boxer piston engine) along each vacuum lattice edge, to be able to transfer photonic information properly.

This system need to have particle doublets because otherwise it would be impossible to have a decent information transfer along the nodes of the tetrahedron vacuum lattice.

In this system, one lattice edges are supposed to equal one Planck length.

The spiral structure of the vacuum lattices gives the vacuum a chiral influence on spinning and merging.

Fermion particles and a photonic polarization. The chirality of this system is supposed to be the origin of our material universe as a member (8 or 12?) of the symmetric configuration of the raspberry shaped multiverse .

Around black holes, the Higgs lattice system will be absorbed by the black hole and as a consequence, the vacuum is thinned and the Planck length will vary and locally even increase!!!

As a consequence, the lightspeed of radiation passing the black hole, will decrease and suffer a redshift.

However, if we assume that black holes are the same thing and origin of Dark Matter, then the Hubble redshift is not a tell tale of the expansion of the universe.

TIME is assumed to run forward (right-handedness of clocks) because the universe is like a huge pinball machine.

Spinning Fermions (the pinball) are driven by the oscillating Axion Higgs field (the electric springs) which is supposed to be the origin of the general increase of entropy base of the second law of thermodynamics.

However dark matter in the form of black holes will eat the dark energy of the Axion Higgs field and decrease entropy again, reason to postulate a pulsating and cyclic multi-universe.

Universal Symmetry is not broken if we accept that each material universe is entangled at a long distance with an anti-material copy universe, equipped with opposite chirality inside the oscillating Higgs lattice field.

As a consequence, Time never runs back in anti-material entangled universes, clocks have left handed rotation over there and my human copy me, has his hart in my observation at the right side of his body!.

Being an architect, I am specially focussed on the geometrical part of construction principles of spacetime.

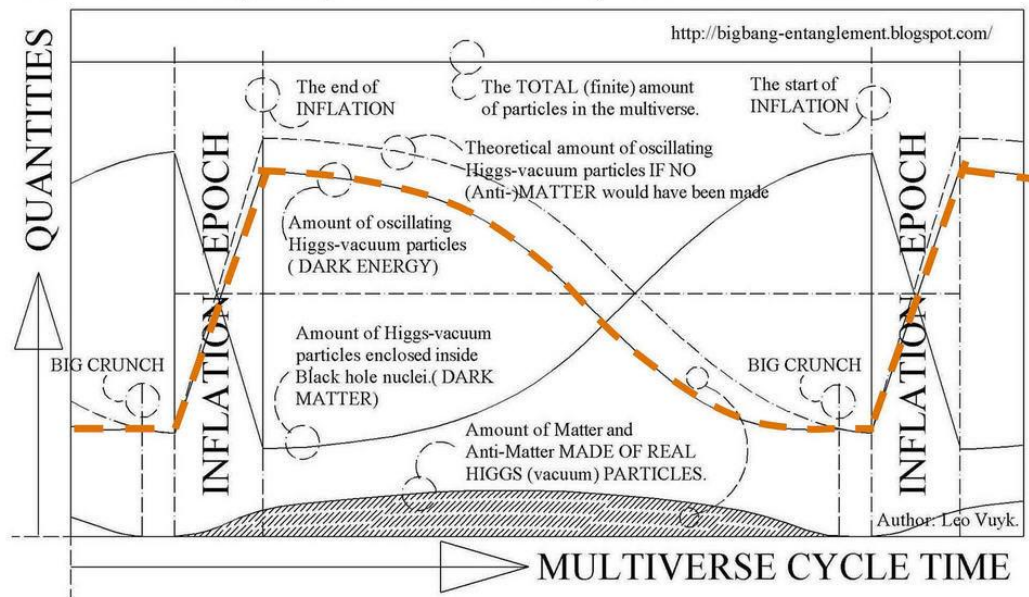
I found out that spacetime geometry and the geometry of elementary particles could be linked if we consider wave particle duality as a mechanical conversion process inside a 3D energetic oscillating "Massless but energetic oscillating Higgs vacuum lattice" and elementary particles with real convertible shapes.

I called it "Quantum Follows Form Theory" (Q-FFF) because the functions of each particle is based on its interaction possibilities with the oscillating Higgs vacuum lattice..

See also: The basic elements of Quantum FFF Theory: page 15.

The CPT SYMMETRIC MULTIVERSE CYCLE.

The Inflation epoch starts if the decreasing vacuum pressure equals the increasing Higgs tension of the Big Crunch black hole nucleus. Inflation epoch ends if all splintered black hole nuclei are evaporated, or left behind as Galaxy Anchor Black Holes.

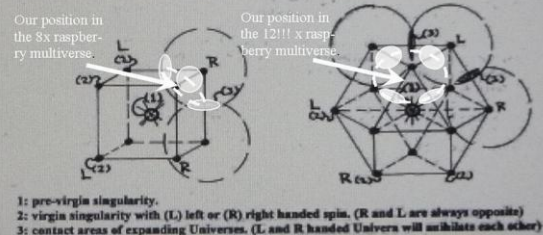


The Pulsating Multiverse depicted as a continuous flow of increasing and decreasing numbers free oscillating- and Black hole condensed Higgs particles and the amount of Quarks and leptons. The size of the pulsating multiverse vacuum is given in orange.

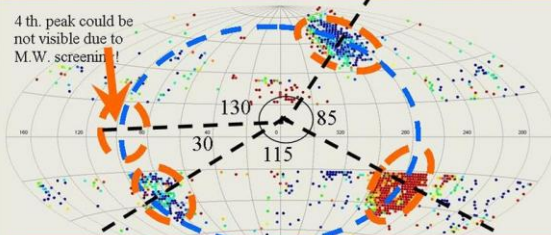
Figure 1, The Charge Parity Time (CPT) symmetric multiverse.

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.



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.



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

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

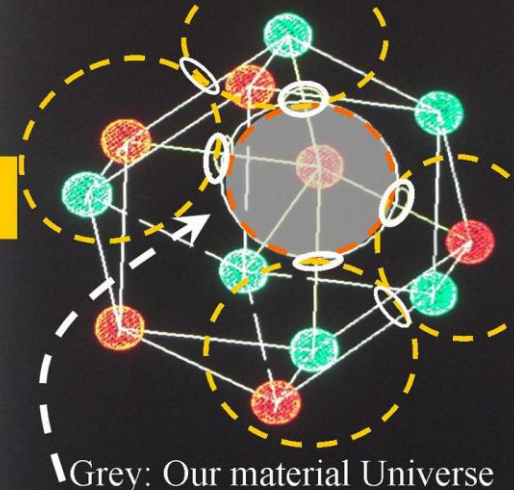
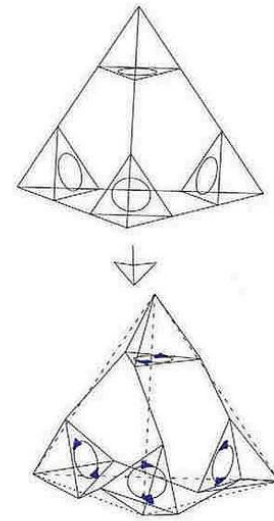
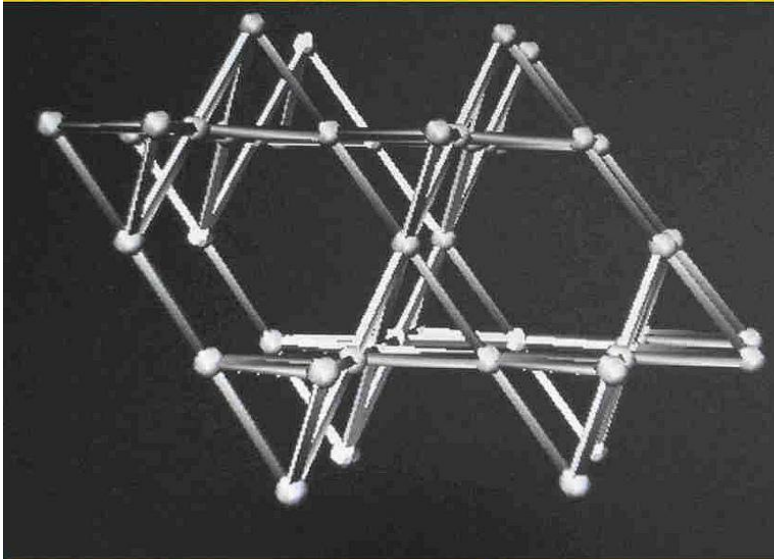
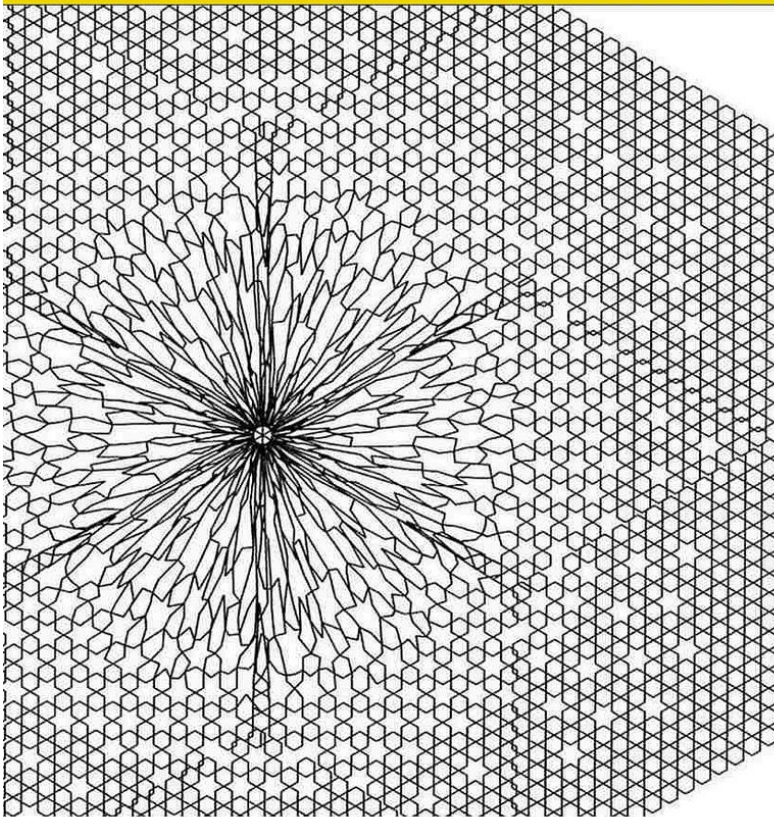


Figure 2, Our position in the 8 or 12 fold multiverse.

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



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.



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.

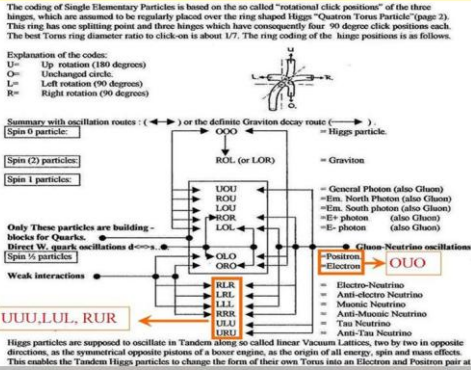
(Author Leo Vuyk)

Figure 3, The fine structure of the oscillating vacuum lattice.

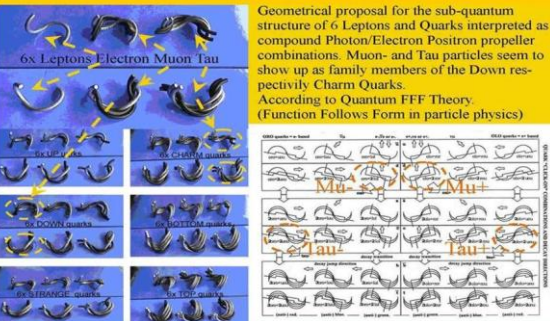
The fine structure of the dual oscillating Higgs vacuum and the influence on the vacuum structure of a dark Matter black hole “eating” the vacuum. The result is that the Higgs particle volume of the vacuum will decrease leading to the Big Crunch, and local time of Caesium oscillations in your watch is retarding in accordance with General relativity.

Trigrital solution for a Universal Rigid String based Quantum Information system, according to Quantum Function Follows Form Theory.

Trigrital notation (OOO, ROL etc.) of the various convertible rigid string particle according to Q-FFF theory



Geometrical proposal for most particles building the universe

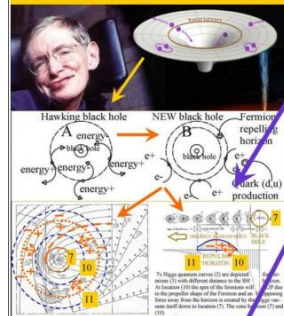


All Photons (1x graviton, 2x electr.- 2x magnetic- and 1x general (x-gamma-ray) photon) and two Fermions (Electron + Positron) are formed direct out of the "Mother" ring shaped Higgs particle, by internal hinge rotation (below). Dark Matter particles are supposed to be formed by interlocking 3 or 4 photons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



Figure 4, NOT digital but TRIGITAL numbered system for singular elementary particles combined into quantum knots or Quarks.

The NEW Plasma Creating Electric Black Hole versus the Hawking Black Hole, according to Quantum FFF Theory, the origin of Comet - Sunspot - BL mystery.

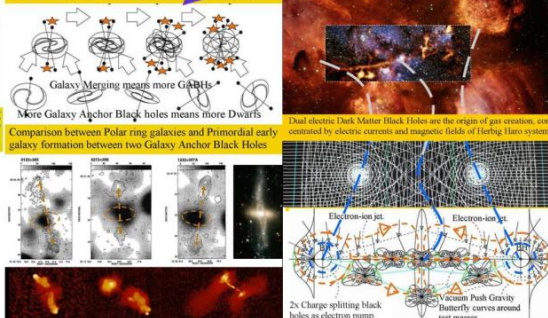


The new paradigm of star/galaxy formation and dying.

Based on the new paradigm of Fermion repelling and creating black holes.

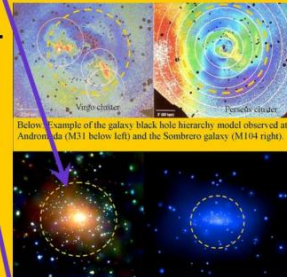
Electric dark matter black holes seem to have the intelligence to pair by self propulsion with other BHs of comparable size to form Herbig Haro systems with star formation in between. (according to Quantum FFF Theory)

Dwarf Galaxy formation between Galaxy Anchor Black Holes (GABHs) as the Origin of stellar migration forming Polar Ring galaxies. More GABHs means more Dwarf galaxies means more sources for Stellar migration and bulge formation, according to Quantum FFF Theory.



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. "This result: Dying "red and dead" galaxies as the start of Universal contraction and collapse (Big Crunch) in a cyclic multiverse"



New class of 'dark' globular star clusters discovered around giant galaxy Centaurus A. Evidence for GABHs of Quantum-FFF Theory.

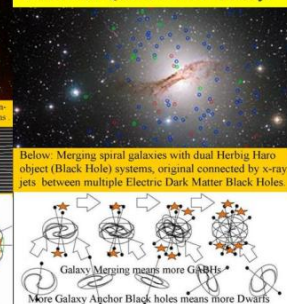


Figure 5, The new paradigm of star/galaxy formation and dying.

Equivalence between Planetary gravity (A) and Black hole gravity (B) does not hold in Quantum FFF Theory. .

Higgs field (Casimir) pressure (3)
combined with Graviton pressure (6)

Black Hole gravity is only based on polarized Higgs
(Casimir) pressure (3) WITHOUT graviton pressure.

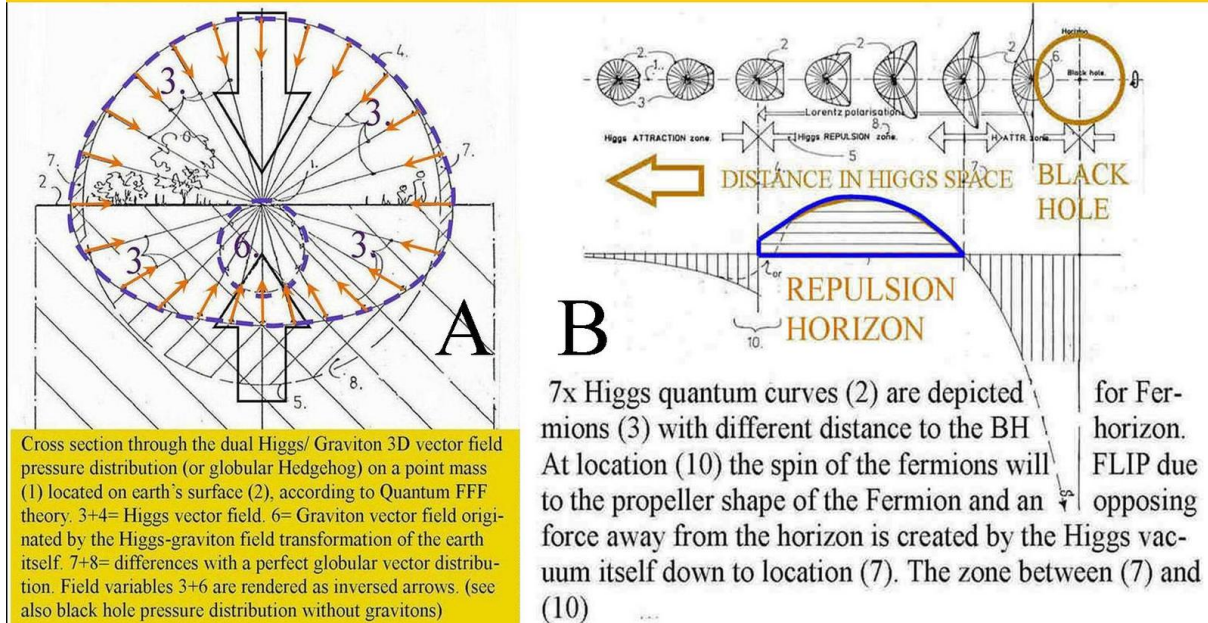


Figure 6, NO equivalence between blackhole quantum gravity and Fermion gravity.

Different- and equally sized black holes pairing en splitting in the Eagle.

(LEFT) Unequal sized pairing black holes seem to need splitting of the largest BH into two equal parts, before the creation of a Herbig Haro system

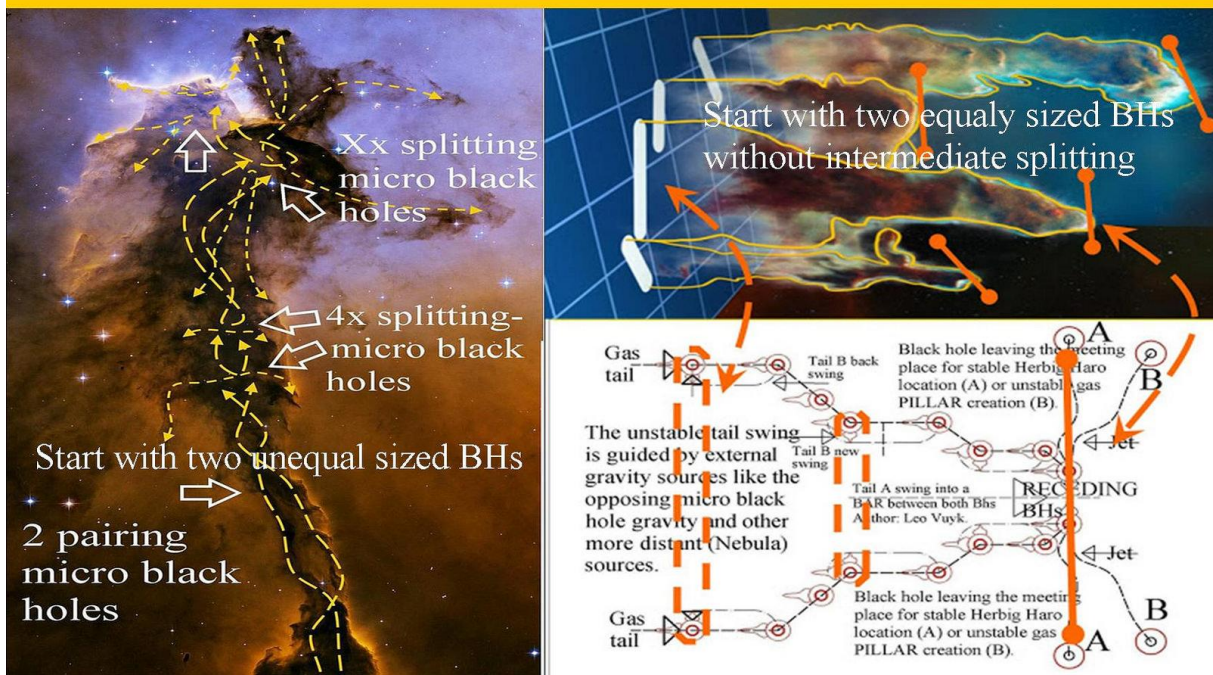


Figure 7, Pairing and splitting black holes as a base for star /galaxy formation.

The massless chiral Axion/Higgs oscillating dark energy vacuum field with a Topological superconductor function.

The massless transformable Axion /Higgs particle is supposed to act as the mother of all single and compound rigid string particles fermions/neutrinos, photons etc.

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

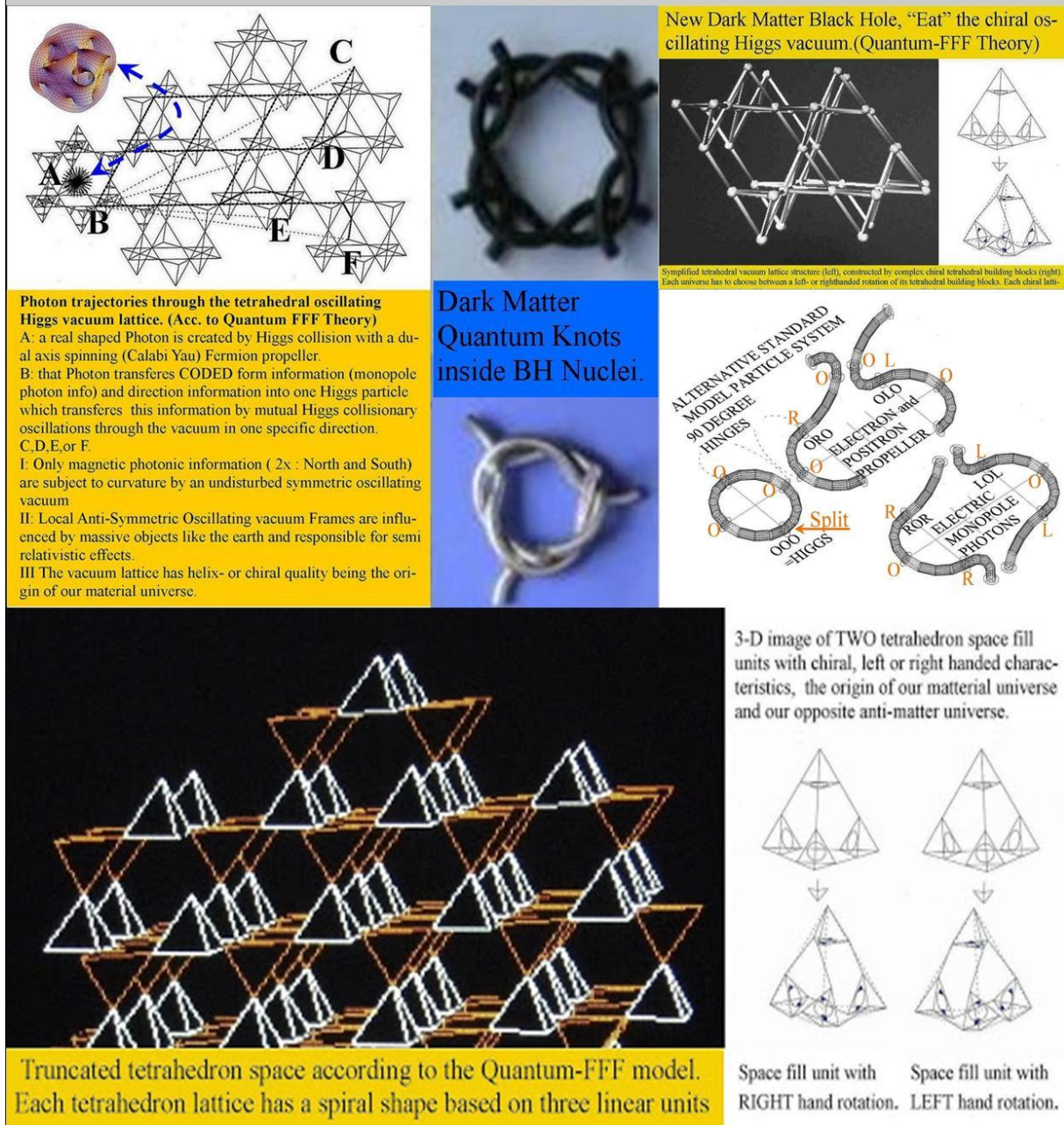


Figure 8, the superconducting vacuum lattice.

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.

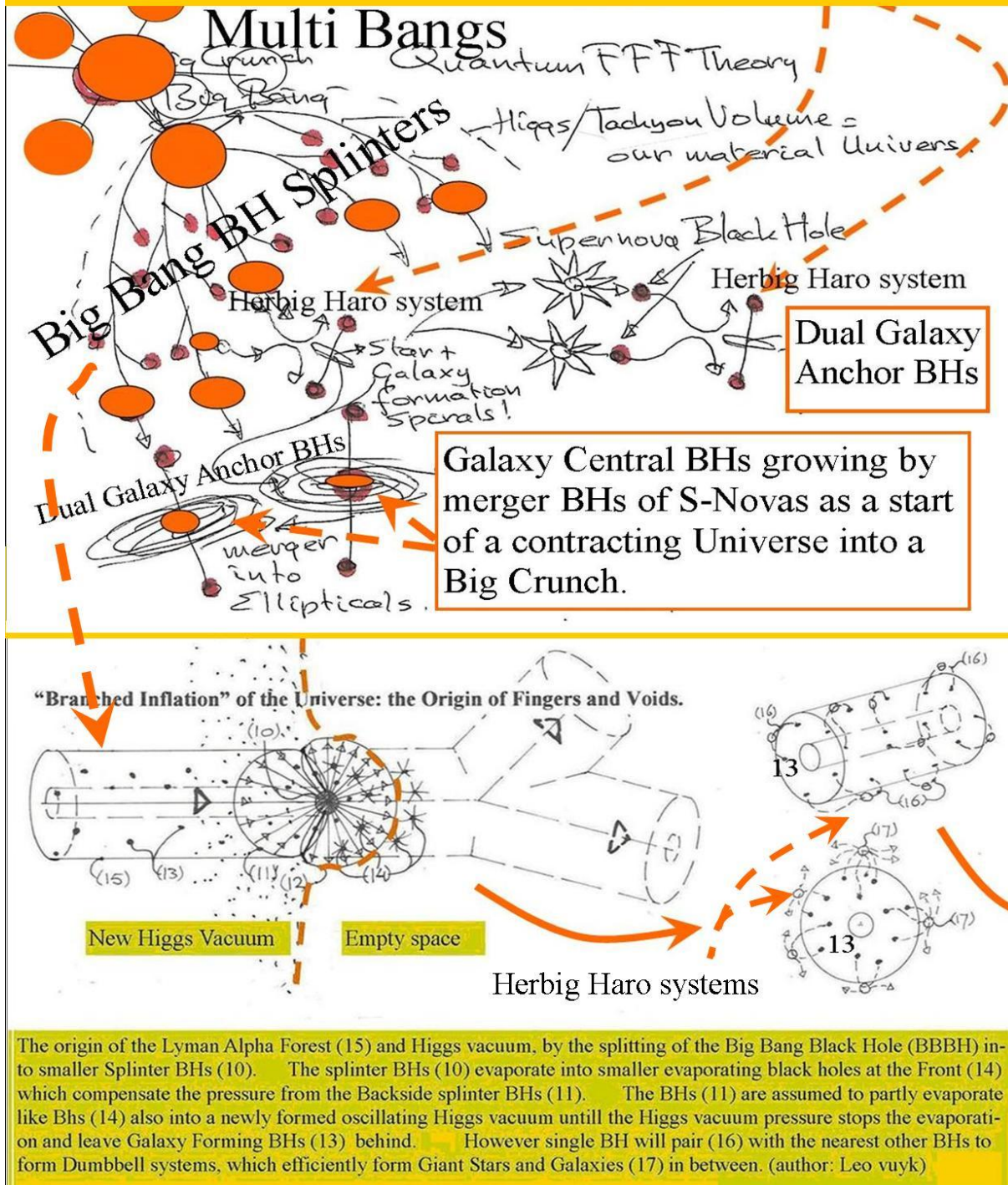
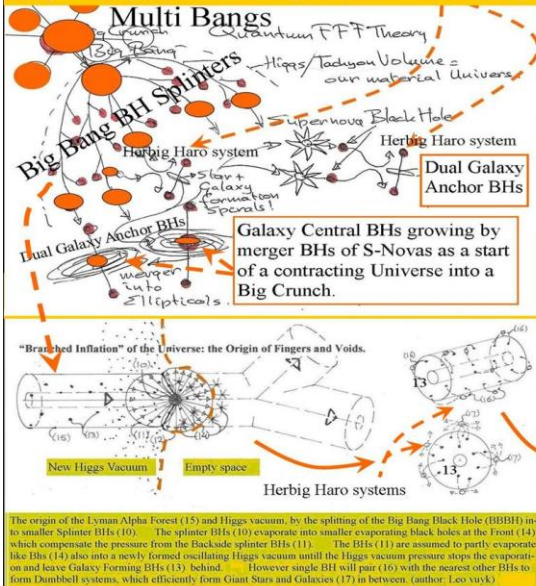


Figure 9, The cyclic multiverse with BigCrunch and Big Bang.

Big Bang Black Hole Nucleus Splitting and Pairing process after a Big Crunch created by central eating of smaller black holes.

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Below: Central BH eating of smaller merger black holes (Andromeda: left) and sometimes star formation



Figure: 10, B Bang Black Hole Nucleus Splitting and Pairing Process after a Big Crunch of the Raspberry Multiverse .

Single CDF-S-XT1 and Dual MACS1423-z7p64 After the Initial B.Bang

Big Bang Black Hole Nucleus Splitting and Subsequent Pairing Process to form Herbig Haro Systems with galaxy formation in between Dual Electric Dark Matter Black Holes. Mind the difference between SINGLE and DUAL BLOBS !!
Astronomical Mysteries solved by Quantum FFF Theory (Function Follows Form)

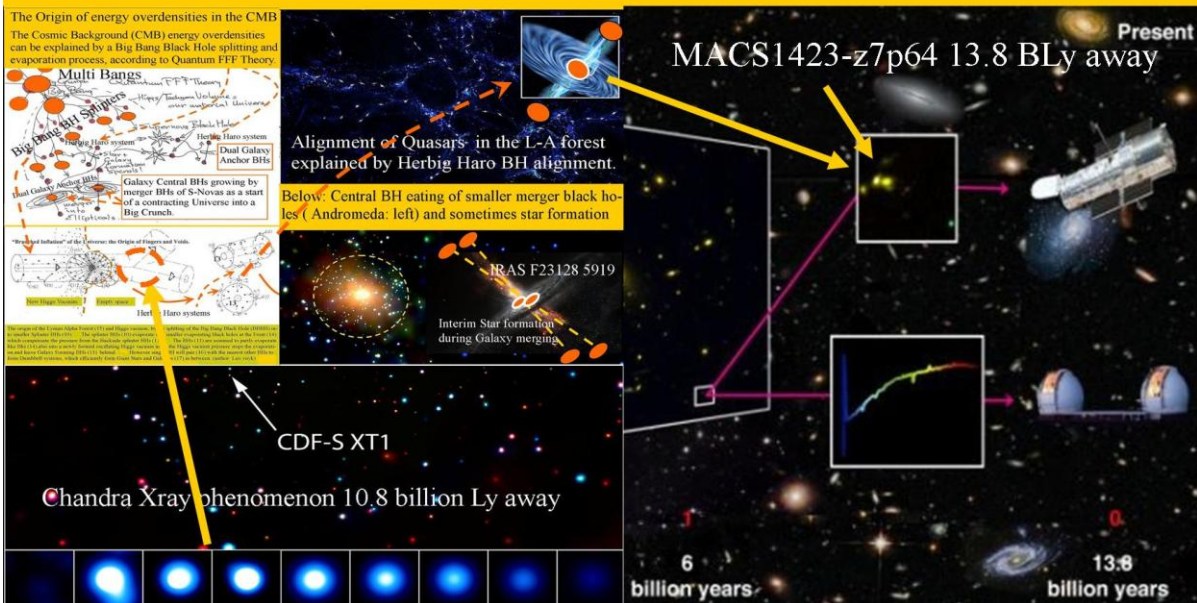


Figure: 11, Single and Double Black Hole signals in the early universe.

Supervoid alignment with the Cold Spot in the Cosmic Microwave Background. (l, b : 209/-57 degr.) a strong support for a Charge Parity entangled symmetric multiverse big bang theory.

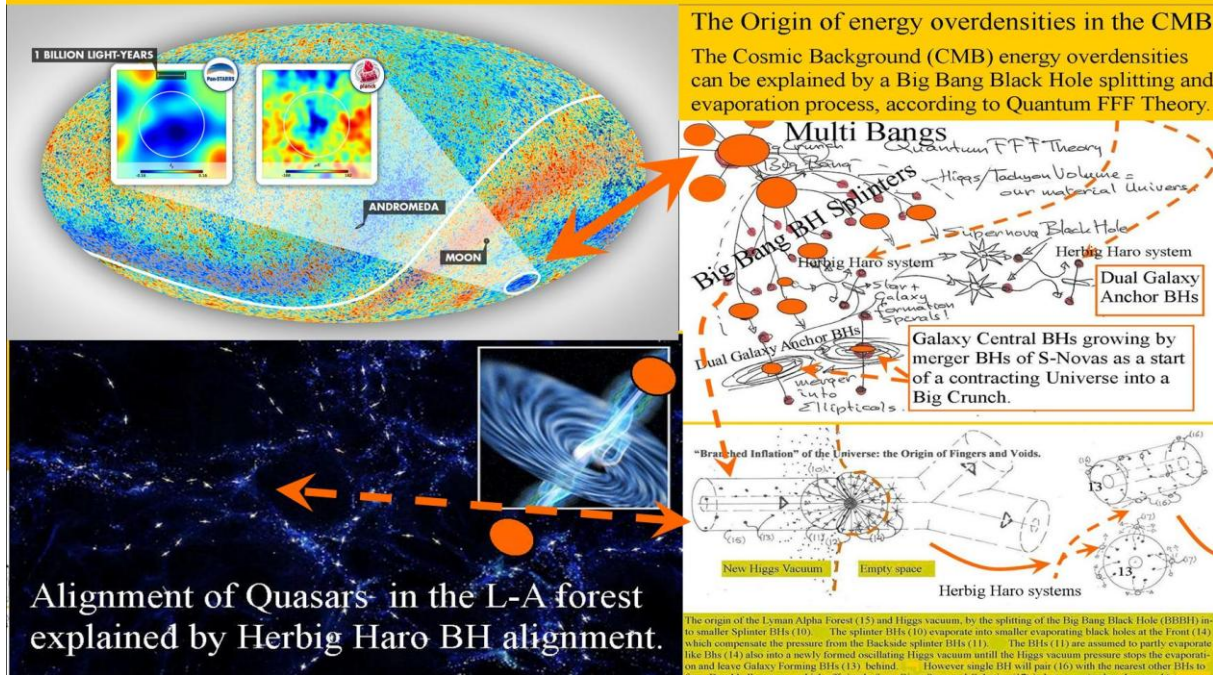


Figure: 12, Cold Spot alignment with the Supervoid. As location for the BigBang.

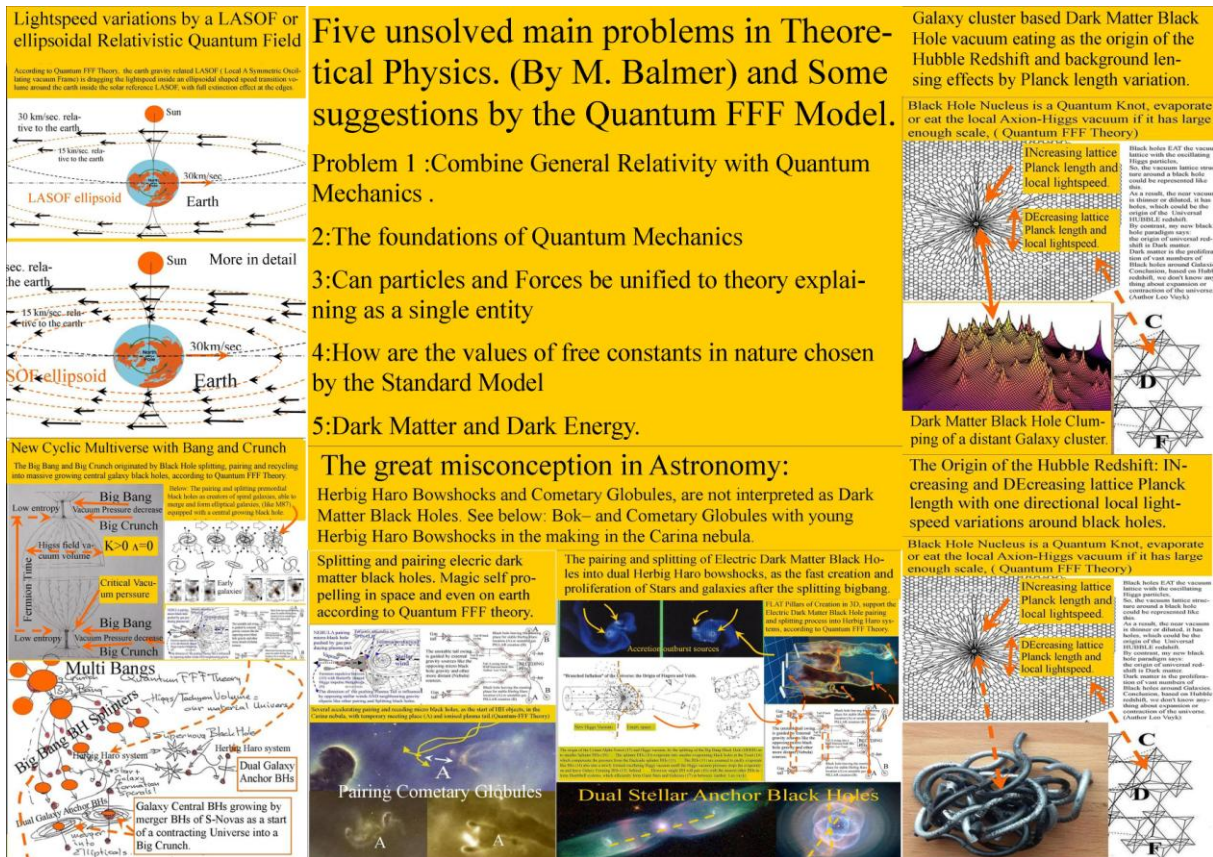
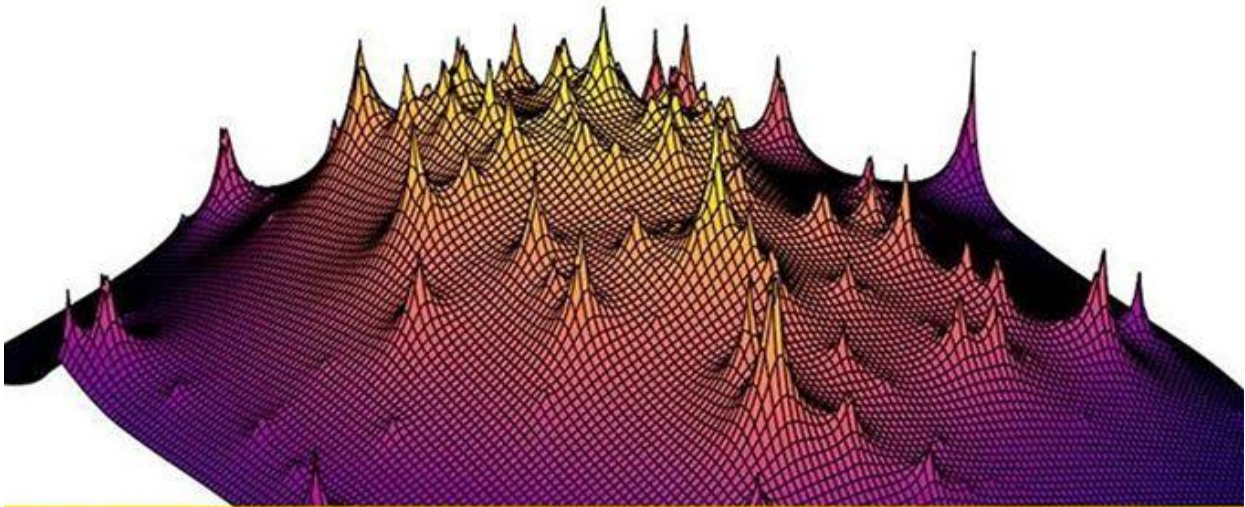


Figure: 13, Five unsolved problems in Physics.

Numerous Dark Matter peaks assumed to be Galaxy Anchor Dark Matter Black Holes.

(According to Quantum FFF Theory)

Dark matter clump 3D distributions in a distant galaxy cluster. According to Quantum FFF Theory, Galaxy Anchor Black Holes are dual grouped Big Bang Black Hole splinters mostly grouped into dual Herbig Haro systems, as a base for star and galaxy formation.



Below: Example of the clumping of dark matter black holes during temporary galaxy passage through the center of the collision area. Galaxies seem to lose their Galaxy Anchor Black Holes concentrating around the center.

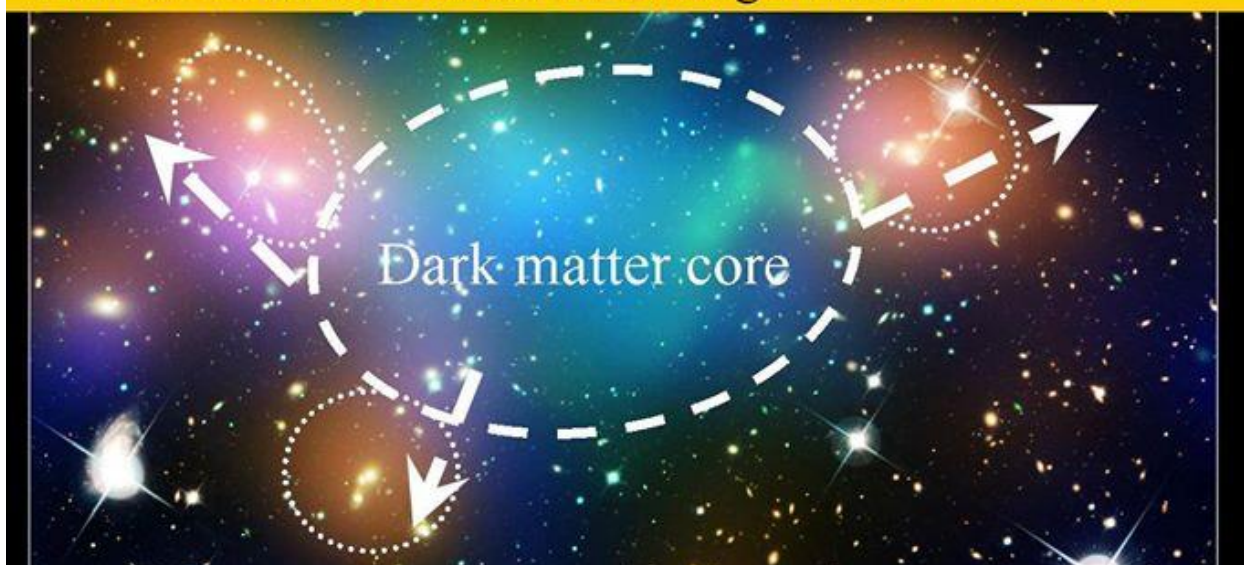


Figure: 14, Dark Matter Black Hole Peakes in dark matter core of a Galaxy cluster.

High speed gas ejection (Hydra cluster, M82 and Mrk 231) as evidence for external Galaxy Anchor Black Holes (GABHs, according to Quantum FFF Theory).

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

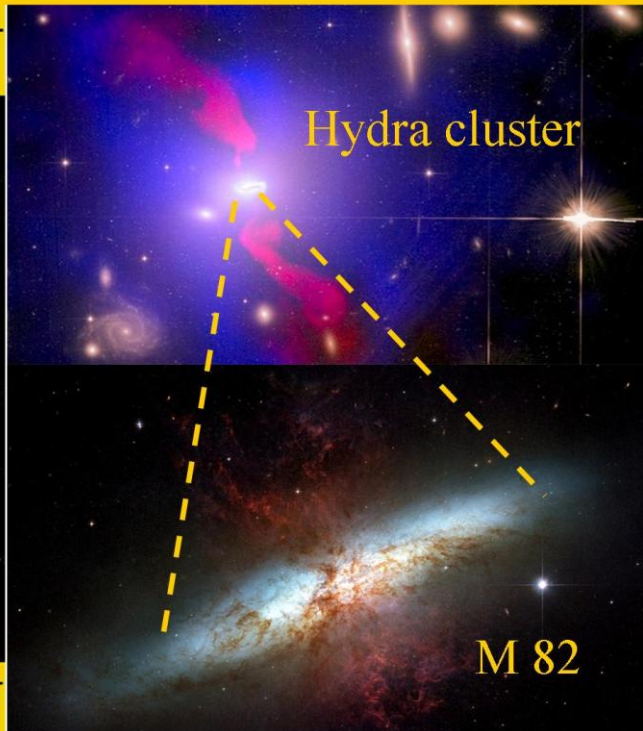
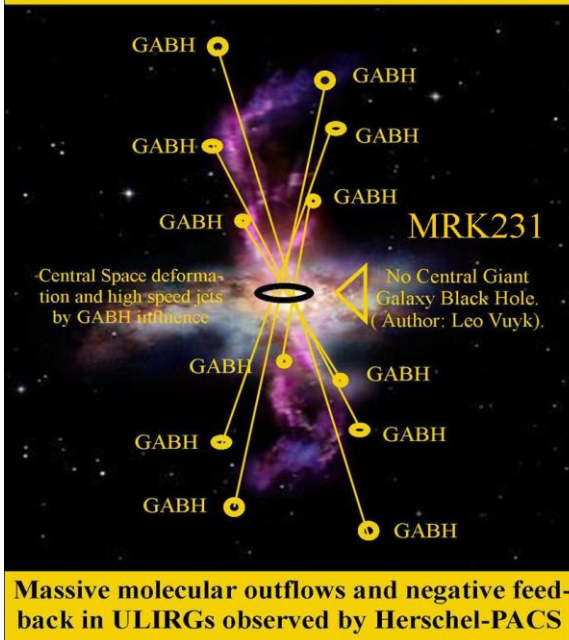
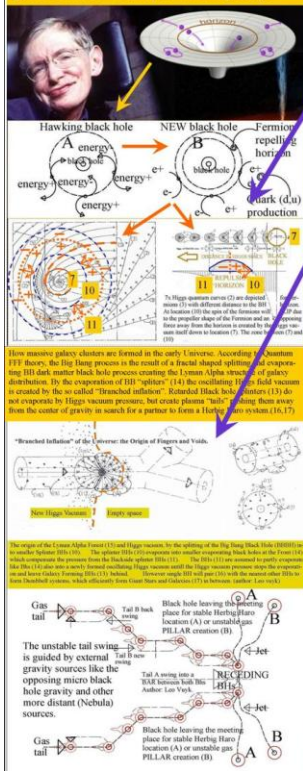


Figure 15, Primordial Galaxy Anchor black holes.

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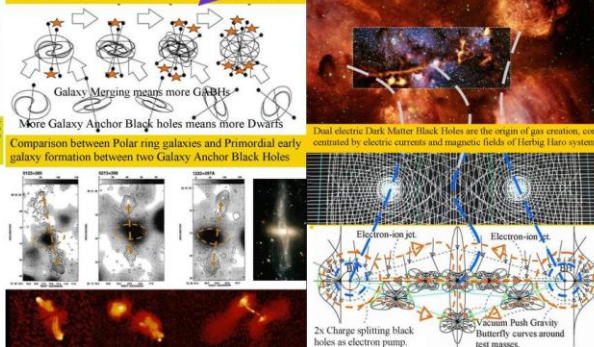


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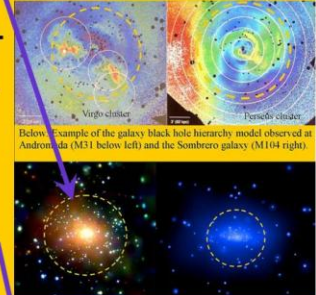
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New class of 'dark' globular star clusters discovered around giant galaxy Centaurus A. Evidence for GABHs of Quantum-FFF Theory.

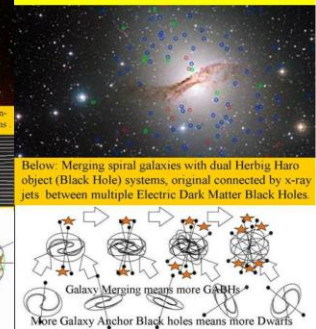


Figure 16, star formation and dying according to Quantum-FFF Theory.

Black Holes of all sizes, (even the smallest) are supposed to EAT the Vacuum and leave a super conducting channel behind, e.g. for fast charge transmission.

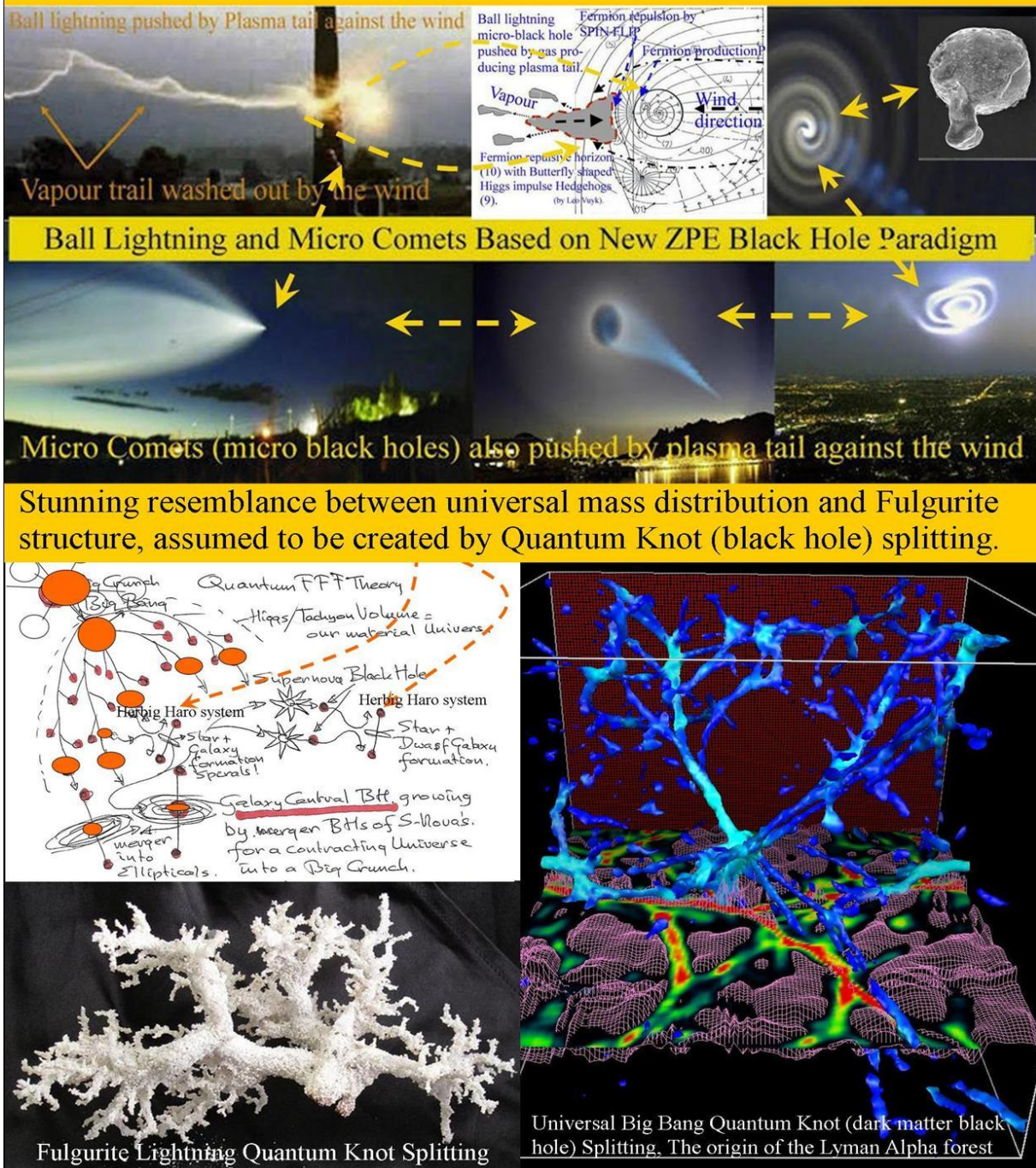
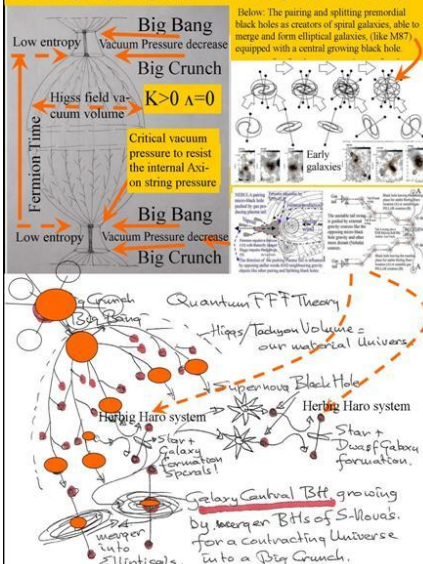


Figure 17, Black holes can have all sizes, from ball lightning up to the Big Crunch black hole.

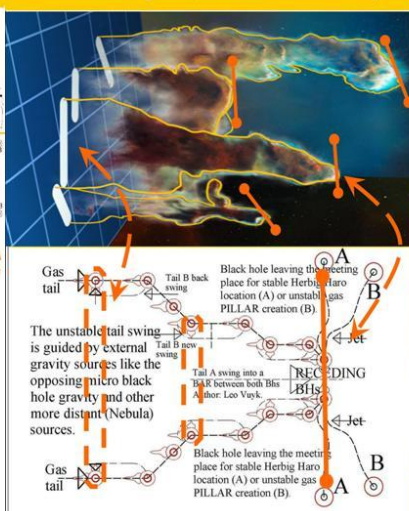
Cyclic Universal Dynamics by New Physics Dark Matter Black Holes.

New Cyclic Multiverse with Bang and Crunch

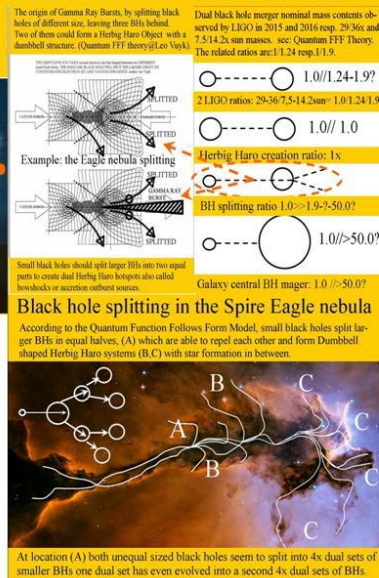
The Big Bang and Big Crunch originated by Black Hole splitting, pairing and recycling into massive growing central galaxy black holes, according to Quantum FFF Theory.



FLAT Pillars of Creation in 3D, support the Electric Dark Matter Black Hole pairing and splitting process into Herbig Haro systems, according to Quantum FFF Theory.



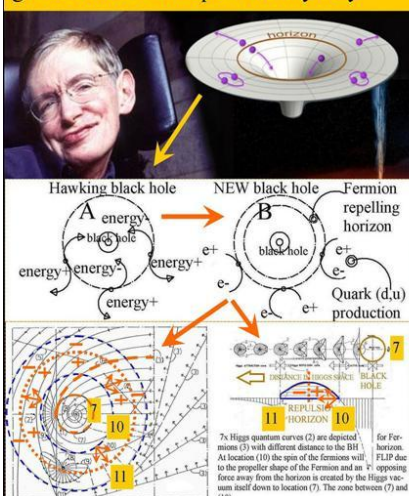
LIGO based Black Hole ratios and the ability to merge or split into two equal BH parts, able to create Herbig Haro systems and Gamma Ray Bursts. Such splitting systems are observed in the so called Spire part of the Eagle nebula.



The Primordial Splitting Big Bang Dark Matter Black Holes Recombine as Tandems and Form Herbig Haro Dual BH Dumbbell Systems.

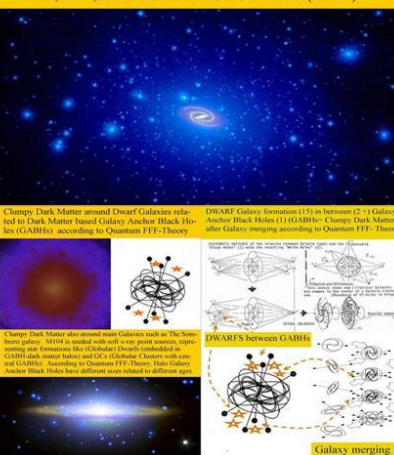
The New Physics of the Dark Matter Black Hole Fermion Repulsion Zone is responsible for the creation of dual Black Hole based Herbig Haro star/galaxy pressure cookers. They form the external Galaxy Anchor BlackHoles (GABHs) and the Dark Matter Cores of Galaxy Clusters and the Big Crunch. According to Quantum FFF Theory. (Function Follows Form)

The NEW Plasma Creating Electric Black Hole versus the Hawking Black Hole, according to Quantum FFF Theory, the origin of Comet - Sunspot -BL mystery.



A giant clumpy dark matter halo based on new physics black holes

A clumpy dark matter halo with varying densities and a very large, diffuse structure, as predicted by simulations, with the luminous part of the galaxy shown for scale. Image credit: NASA, ESA, and T. Brown and J. Tumlinson (STScI).



Abell 520 Galaxy cluster collision, is a clear example of the clumping of dark matter (black holes) during galaxy passage through the center of the collision. Galaxies lost their Galaxy Anchor Black Holes, (GABHs) In line with Quantum FFF model.

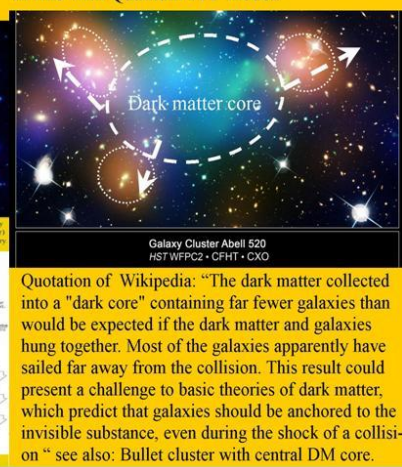


Figure18, Universal cyclic dynamics

The basic elements of Quantum FFF Theory:

- 1: Black holes (BHs) are the same as Dark Matter, they all consume photons, even gravitons and the Axion-Axion Higgs field, (for short: Axion Higgs field) but REPEL Fermions due to their propeller shape polarisation away from the BH. They produce electric charged plasma.
- 2: Dark Energy is the oscillating (Casimir) energy of the massless Axion-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 Spinters (PBBS) forming the Fractal Lyman Alpha forest and evaporating partly into a zero mass energetic oscillating Higgs particle based Axion Higgs field.
- 5: Dual PBBS 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 Axion-Axion 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 (spiralling) 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 ($E_R=E_P$) 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 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 Axion 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 Axion 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-Axion Higgs field ether, within about 1 cm distance from a fermion.(see: Babock 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 exeption for the electron and positron..
- 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.

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 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 visualised 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

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.

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