

Reconciliation of QM and GR and the need for a pulsating entangled CPT symmetric raspberry shaped Multiverse.

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Abstract,

In (Q-FFF) Quantum Function Follows Form theory, the Higgs particle is interpreted as a massless but energetic oscillating transformer particle, equipped with a complex internal structure and able to create the universe by transformation of its shape, after real mechanical collision and merging with other transformed Higgs particles into knots called Quarks and Leptons.

The best place to create Higgs particle based plasma out of the “nothingness” of the oscillating super dense Higgs vacuum lattice, seems to be not only direct after the Black hole splitting Big Bang Multiverse, but even more at the event horizon of smaller “new paradigm” black holes proliferated through the multiverse.

This multiverse seems to have a raspberry shape equipped with a restricted number of CPT (Charge Parity Time) symmetrical universes as berries or lobes.

One of these lobes is supposed to be OUR material universe which is supposed to be entangled down to the Planck scale (thus even at the human scale) with at least one opposing anti-material mirror universe of the raspberry.

The raspberry multiverse is supposed to be pulsating. due to the existence of a process of evaporation of the vacuum Higgs vacuum particles (**Dark Energy**) during the big bang inflation process and in succession, by the consumption of the same Higgs vacuum by individual black holes (**Dark Matter**) created at all scales from Super Nova black holes down to Sunspots, Comets, Micro Comets and even Ball Lightning.

Introduction.

Quantum FFF Theory is an attempt to contribute to the reconciliation of Quantum Mechanics and Relativity, by surpassing the mathematical abstractions and interpret both theories in a more classical way with some non classical extensions.

Quantum FFF Theory tries to do so by a new “classical” description and re-interpretation of well known physical phenomena and experiments which form the base of QM and GR extended by extra qualities such as multiverse- and local entanglement, sub-quantum particle structures etcetera.

Those experiments are:

- 1: Lightspeed drag and extinction experiment inside a double mirrored fast rotating cylinder in the lab. Ref [3]
- 2: CHAMP-GPS satellite distance outlier measurement focussed on GPS elevation angle to the earth.
Ref [3]
- 3: Gravity drag related Lightspeed variation experiment between two balloons or satellites and the earth. Ref [3]
- 4: Multiverse number count by a renewed Benjamin Libet experiment focussed on RPI and RPII ratio. Ref [6]
- 5: Double Stern-Gerlach atomic Entanglement experiment. Ref [6]
- 6: Double LeSage gravity experiment by a new massive oscillator. Ref [7]
- 7: Monopole radiation based Magnetic field experiment Ref: [7]
- 8: The laboratory production and exploitation of a micro black hole or ball lightning. Ref: [14]

With the introduction of these experiments, I try to give only a small push (being an architect) to restore the relation between CAUSE AND EFFECT in Physics. I only try to imagine how the quality of things could be shaped or constructed at different scales. The quantities and related mathematics is not inside my field of focus.

For 100 years now, both mainstream theories have offered us irrational solutions in Physics, based on statistics of Quantum phenomena and the ideas that the light speed, time and mass,

are able to do magical things at all scales without the need for a logical base.

“Less Is More” and “Form Follows Function”.

The Aphorisms: “Less Is More” and “Form Follows Function”, of Modern Architecture, introduced by Mies van der Rohe respectively Louis Sullivan, seem to be REVERSIBLE in Nature.

Why, because at the Planck scale, the SHAPE of particles and the way particles are connected to each other and form compound quarks, seem to be the origin of the particle FUNCTION.

As a result we may say: FUNCTION FOLLOWS FORM in particle physics.

At the Universal scale however, CPT (Charge, Parity and Time) SYMMETRY between entangled copy Universes, forming a Multiverse with Raspberry geometry, seems the most logical solution for a theory of everything.

Is Less More in the Symmetric Multiverse?

No, as a result we may say: MORE IS BETTER in a CPT symmetric Multiverse creating particle and human Consciousness. (then we may solve the "Symmetry"- and “Schrödinger's Cat” problem). Ref [6]

As a consequences, we should not be afraid for Ockham’s razor who ordered to keep it simple as possible at the Planck- or Universal scale.

In fact this Quantum FFF theory follows Ockham’s razor by keeping the choice system in nature simple. If we have a system of entangled symmetric copy universes, then I expect that by a sort of entanglement floatation by chance, one of the copy observers is the first to suggest a specific choice (and become the subject) about 300 m.sec later (B.Libet Ref. [6]), the other observers in different (anti-) copy-universes are able to pass or veto the choice.

The pulsating Multiverse.

According to mainstream physics, the universe is expanding and even accelerating.

The Hubble redshift observed on Super Nova candles seems to be the origin of this misconception.

However, if we take the features of Quantum FFF theory into account, then only one solution seems to be possible: Our raspberry CPT symmetric multiverse must have a pulsating character.

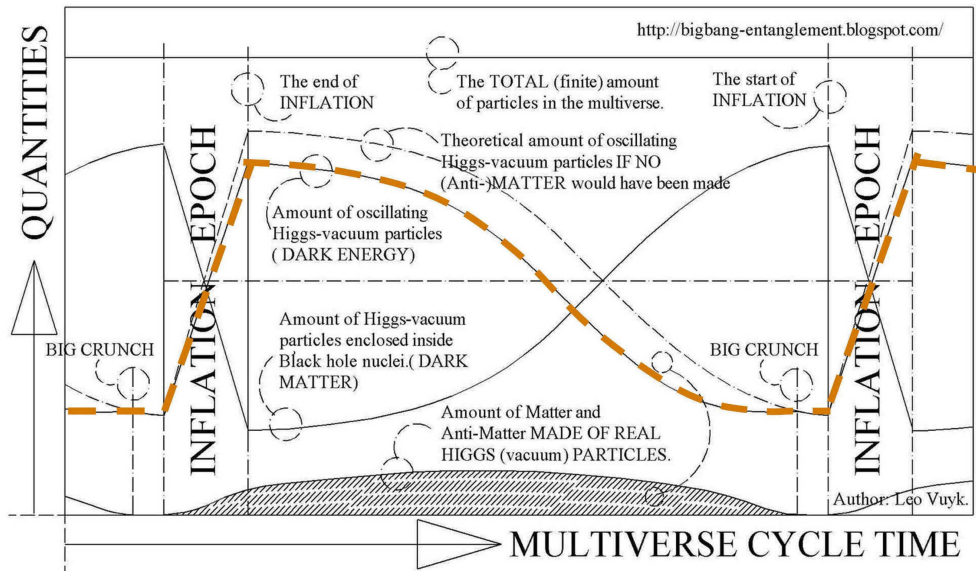
If the vacuum is described as a super dense oscillating Higgs lattice at the Planck scale (representing dark energy) and proliferated black holes (representing dark matter) have Higgs compressed nuclei constantly eating the vacuum, growing in numbers and size by Supernova explosions, then only one conclusion is to make: the universe is contracting into a Big Crunch black hole.

Conclusion: The multiverse is pulsating.

The Big Bang is based on the splitting and evaporation process of an exploding Big Bang Black Hole (BBBH) created by a so coined Big Crunch Black Hole (BCBH). See figure 1. The nucleus of a microscopic “Q-FFF black hole” see figure 2.

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.



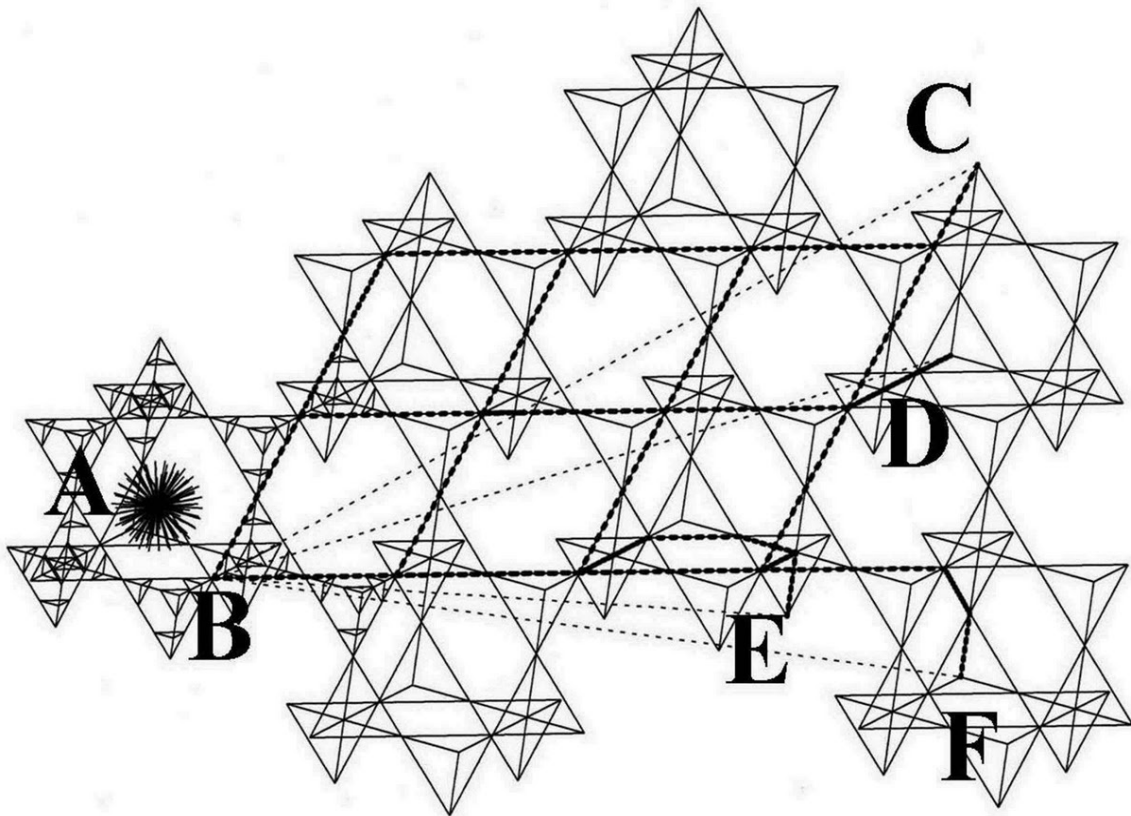
The Pulsating Multiverse depicted as a continuous flow of increasing and decreasing numbers free oscillating- and Black hole condensed Higgs particles and the amount of Quarks and leptons. The size of the pulsating multiverse vacuum is given in orange.

Figure 1. The BCBH is able to explode again if the oscillating Higgs Vacuum pressure on the BCBH nucleus, decreases by BCBH absorption and equalises to the internal BCBH nuclear energy or Higgs tonus.

The Nucleus of the NEW Black Hole.



Figure 2. the black hole nucleus (Dark matter) A ball of Higgs particles compressed and condensed by the oscillating Higgs vacuum energy (dark energy).



Photon trajectories through the tetrahedral Chiral vacuum lattice.

A photon is created as a deformed Higgs particle at position (A), thus as a single (Photon/Gluon) particle which after some distance changes form back into a Higgs particle (B).

The photon energy is transferred into the oscillating Higgs system and travelling through the vacuum lattice in the form of a BUNCH of entangled energetic Higgs oscillations with the local speed of light.

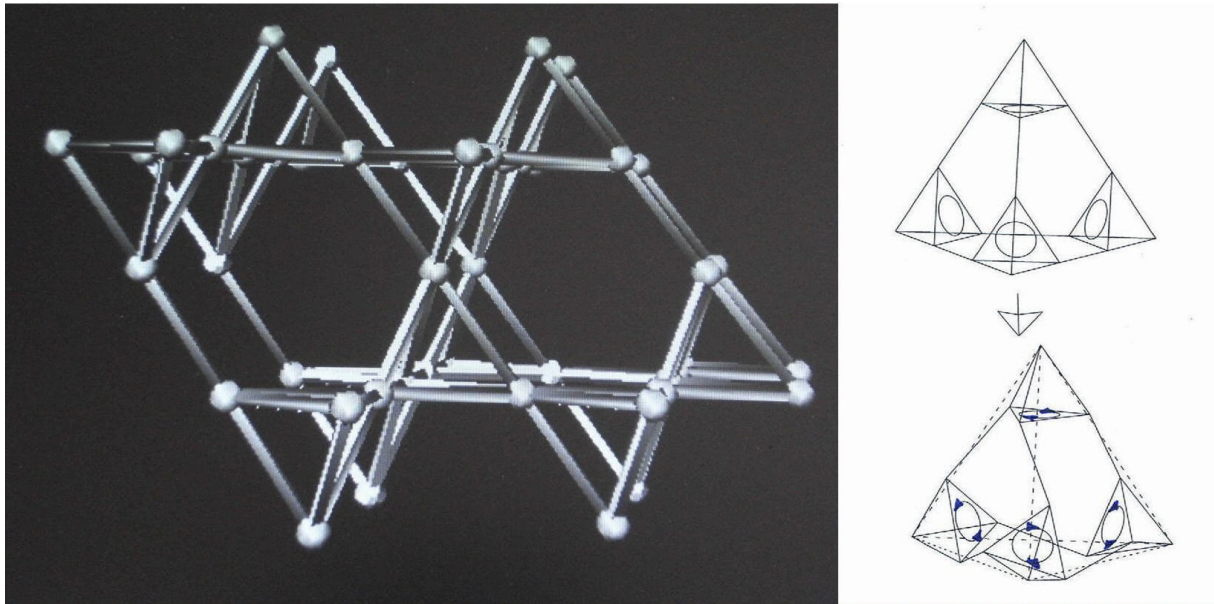
(To match the single photon double slit experiment)

After collision with a second Fermion, at locations C,D,E,F. the BUNCH of energy collapses and change the FORM of a local Higgs particle into the shape of the original Photon.

Five different shaped Gluons after some distance are called Photons.

Thus five different shaped Photons start their journey as Gluon. Author: Leo Vuyk.

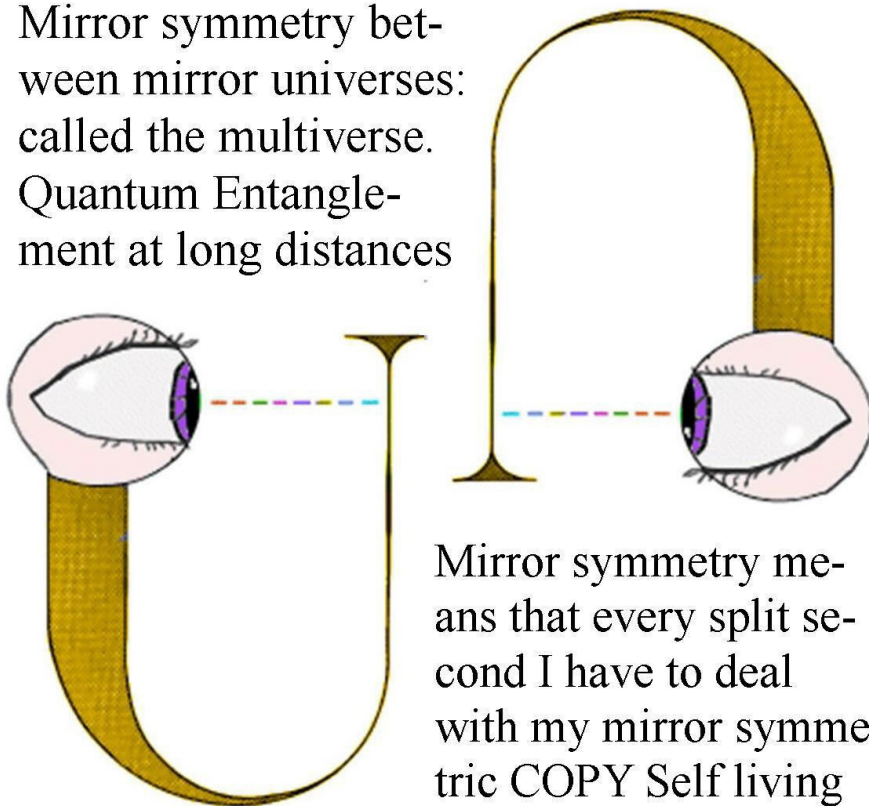
Figure 3.



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

Figure 4.

Mirror symmetry between mirror universes: called the multiverse. Quantum Entanglement at long distances



Mirror symmetry means that every split second I have to deal with my mirror symmetric COPY Self living over there. (Leo Vuyk)

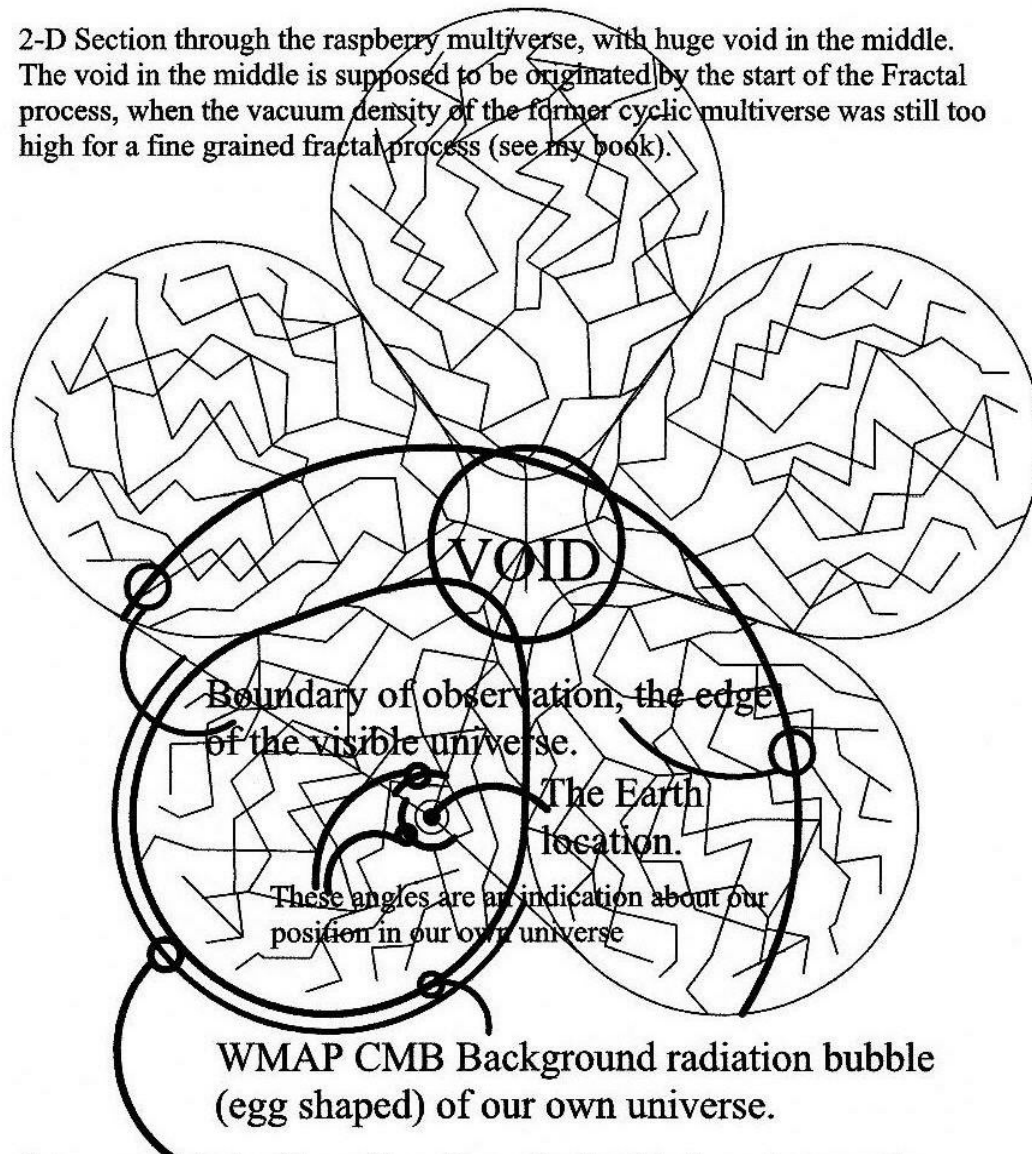
Figure 5.

The raspberry multiverse.

The CPT symmetric raspberry universe seems to be the result of Fractal shaped evaporation, of the content of a cyclic central big crunch black hole, into egg shaped bubbles with individual Cosmic Microwave Background. (CPT= Charge Parity and Time)

3-D suggestion for the solution of the so called "MISSING GALAXY SHADOWS". All the Galaxy (clusters) located behind the WMAP CMB boundary (outside our own universe) do not create some kind of SHADOW on the 2.7 Kelvin cosmic background radiation.

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).



Future research should provide evidence for the globular anti-symmetric distribution of galaxy clusters without a CMB shadow. In the external half of the globular hemisphere all galaxy clusters will show up with a clear shadow in the CMB, because there are no galaxies located behind this part of the CMB. The angle which will be measured between these two hemispheres will be an indication for our observer location in our own Universe. (author: Leo Vuyk)

Figure 6.

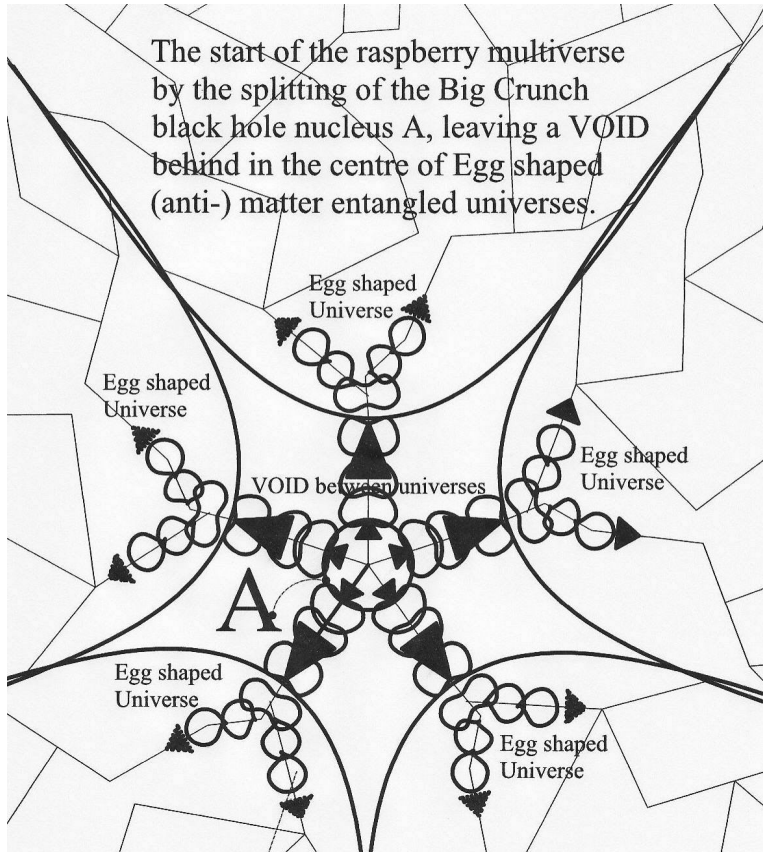
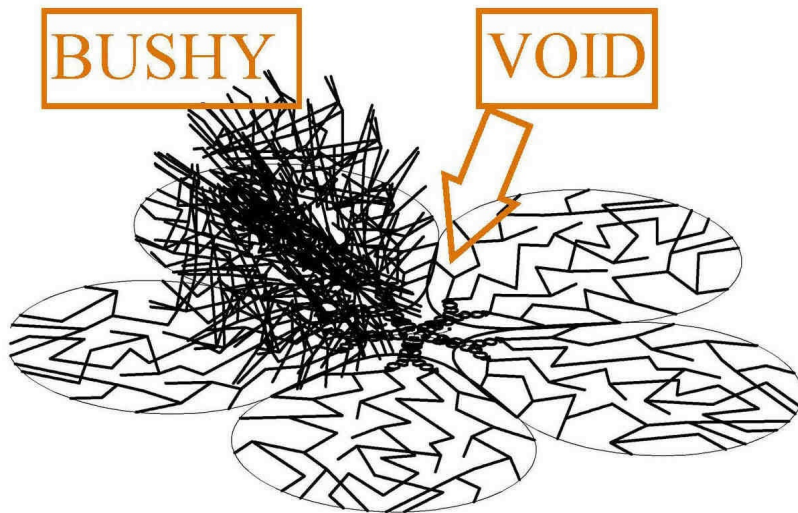


Figure 7.



The black hole splitting and pairing raspberry shaped multiverse seems to need a BUSHY structure just in line with observation of the Lyman alpha forest and a large VOID in the middle.

If the Big Bang could be interpreted as the splitting of a former Big Crunch black hole, then the bushy structure represents the splitting black hole trajectories. (Author: Leo Vuyk)

Figure 8.

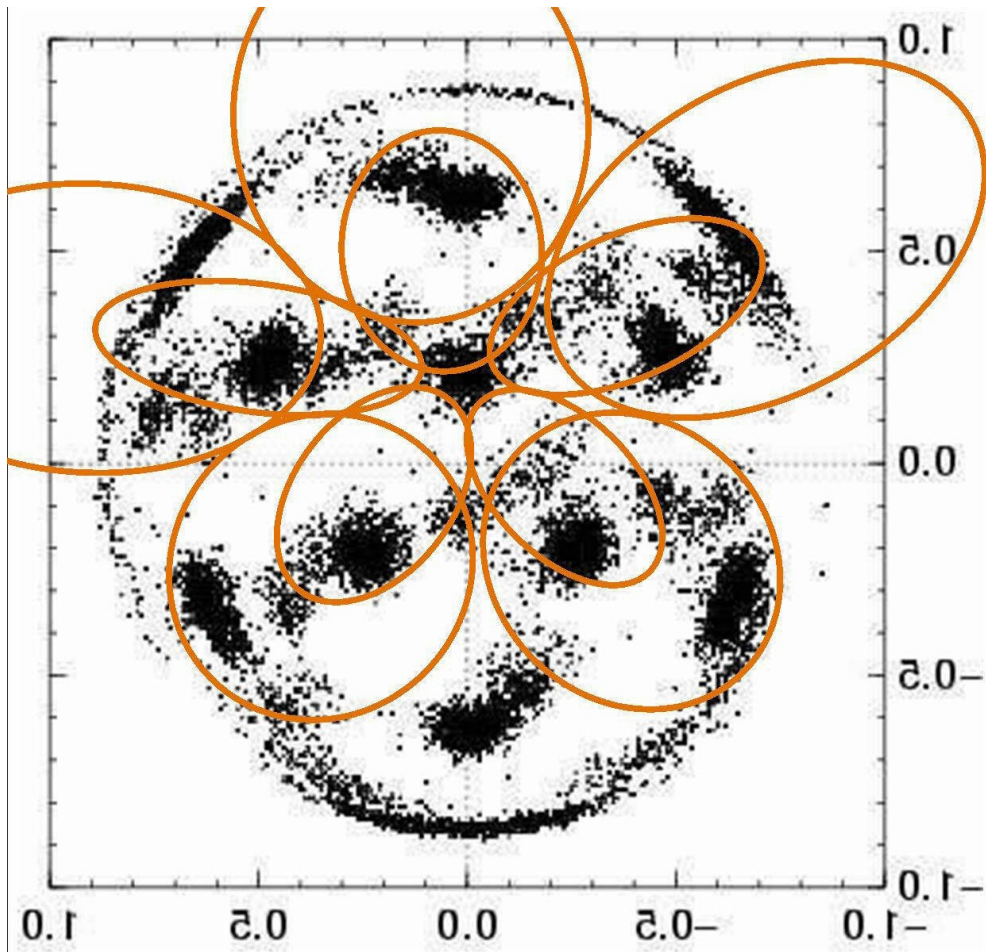


Figure 9. Suggestion for the raspberry shaped configuration of 12 universes. (orange)
 Original image from: The optimal phase of the generalized Poincare's dodecahedral space hypothesis implied by the spatial cross-correlation function of the WMAP sky maps by: Boudewijn F. Roukema et al.

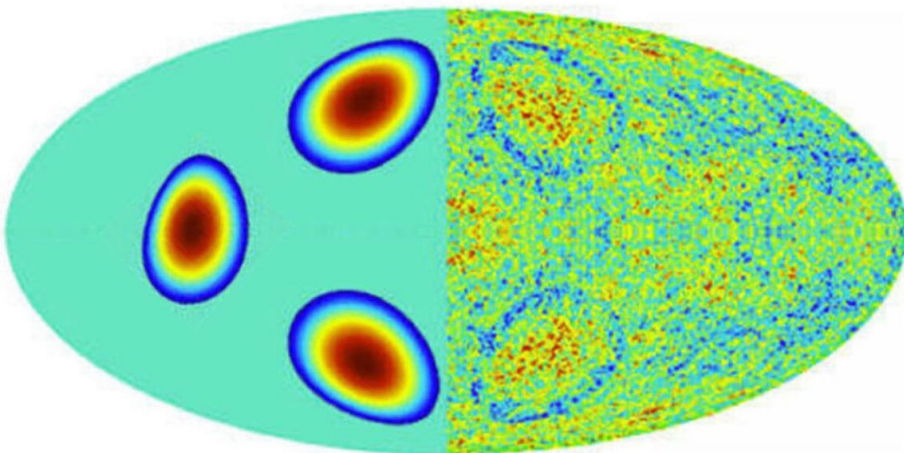
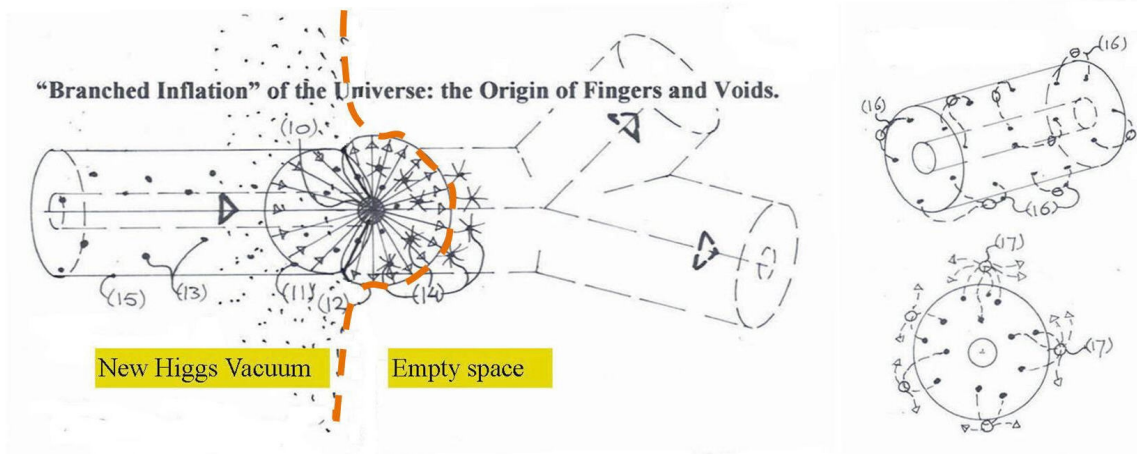


Figure 10.
 If we are able to observe 5 Low variance circles in the WMAP in stead of 4, then we have an extra reason to suggest that the raspberry multiverse has 12 lobes or berries.



The origin of the Lyman Alpha Forest (15) and Higgs vacuum, by the splitting of the Big Bang Black Hole (BBBH) into smaller Splinter BHs (10). The splinter BHs (10) evaporate into smaller evaporating black holes at the Front (14) which compensate the pressure from the Backside splinter BHs (11). The BHs (11) are assumed to partly evaporate like BHs (14) also into a newly formed oscillating Higgs vacuum until the Higgs vacuum pressure stops the evaporation and leave Galaxy Forming BHs (13) behind. However single BH will pair (16) with the nearest other BHs to form Dumbbell systems, which efficiently form Giant Stars and Galaxies (17) in between. (author: Leo vuyk)

Figure 11. Origin of the Lyman Alpha forest or “fingers and voids” by the splitting and evaporating Big Bang black hole, creating the new Higgs vacuum filling empty space. The pairing effect afterwards, seems to be the origin of dumbbell structured early galaxies. See fig 12.

Dumbbell system of new paradigm Black holes kept apart by two Herbig Haro electron -ion particle jets. Zero Point Energy pressure effects around test masses are depicted as Butterfly shaped vacuum pressure curves (vector arrays) . In Q-FFF theory is Vacuum gravity pressure interpreted as Dark energy and black holes as Dark matter. The so coined "white/grey hole" in the middle is the Gas Concentration locus and center of all Star clusters and Spiral Galaxies. Date. 20-09-2011. Author: Leo Vuyk.

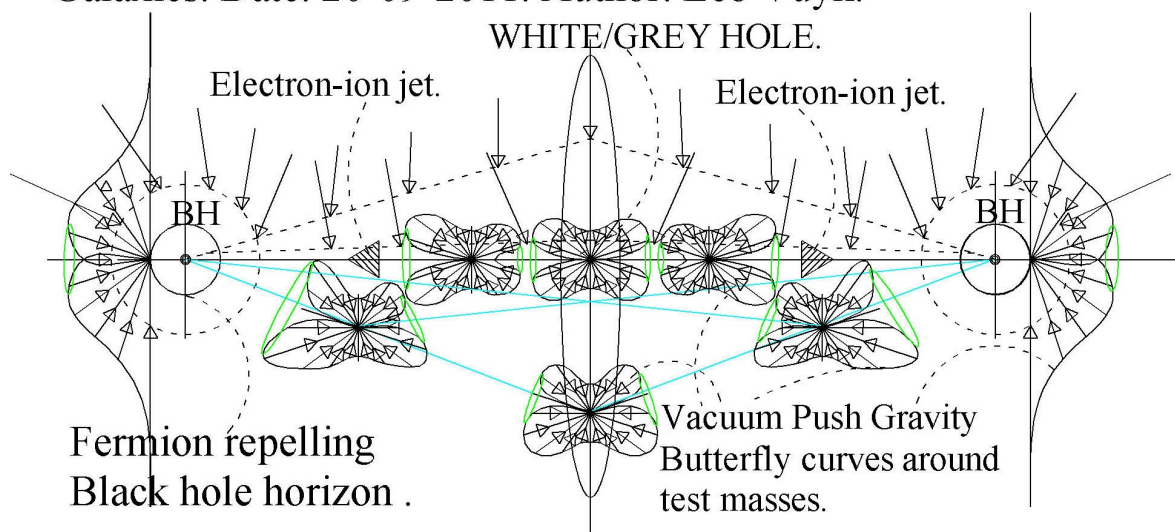


Figure 12. vacuum pressure structures in the form of butterflies curves around test masses, in between two black holes.

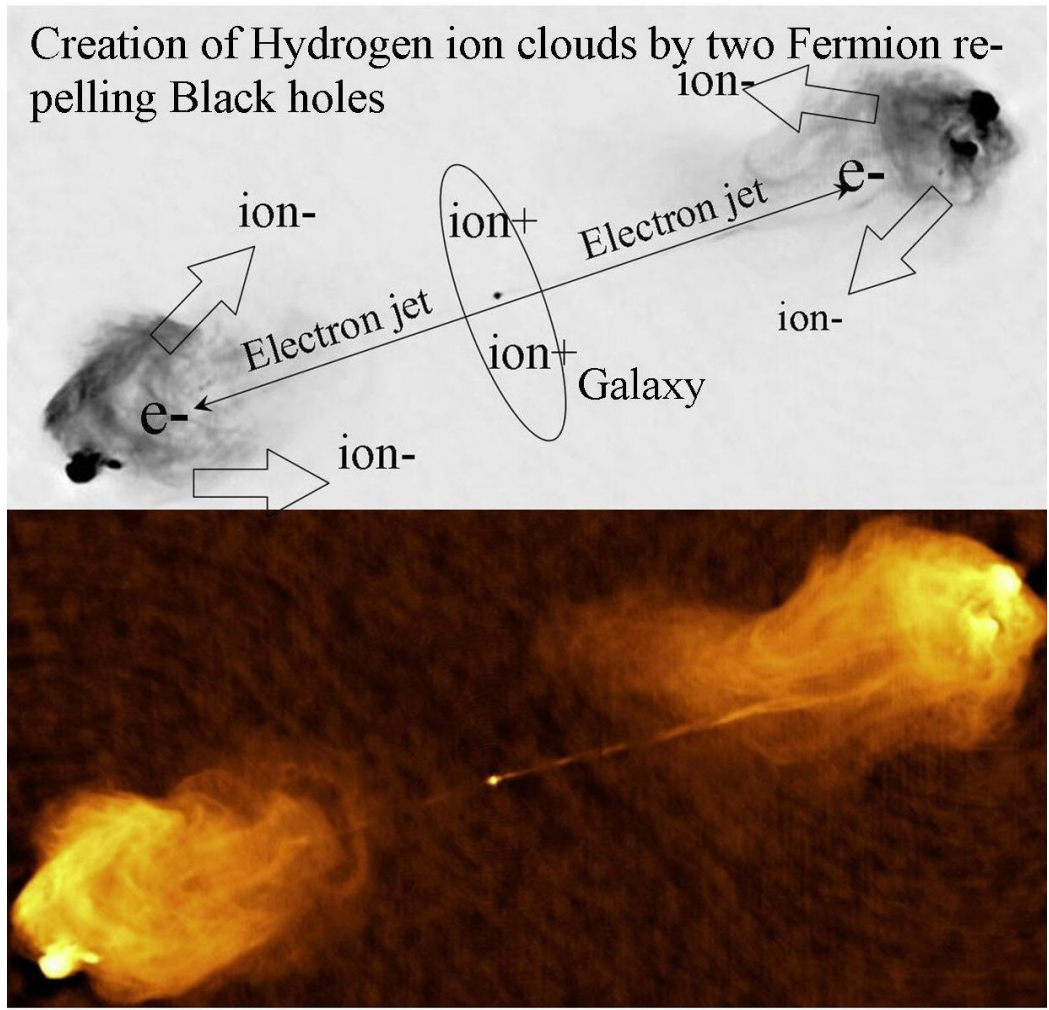
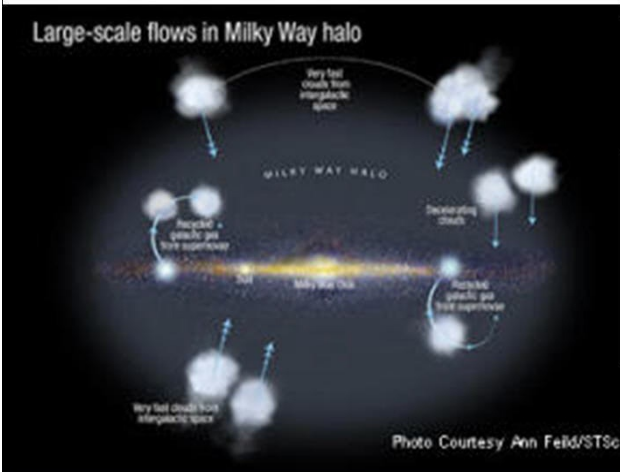
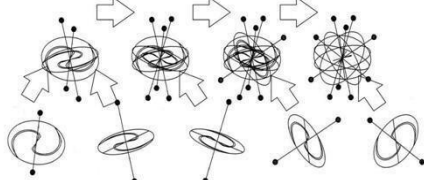


Figure 13. Cygnus A hotspots (Q-FFF black holes) showing ionized gas production, based on the new elementary particle and black hole paradigm. Quarks are compound structures of electrons or positrons with photons.



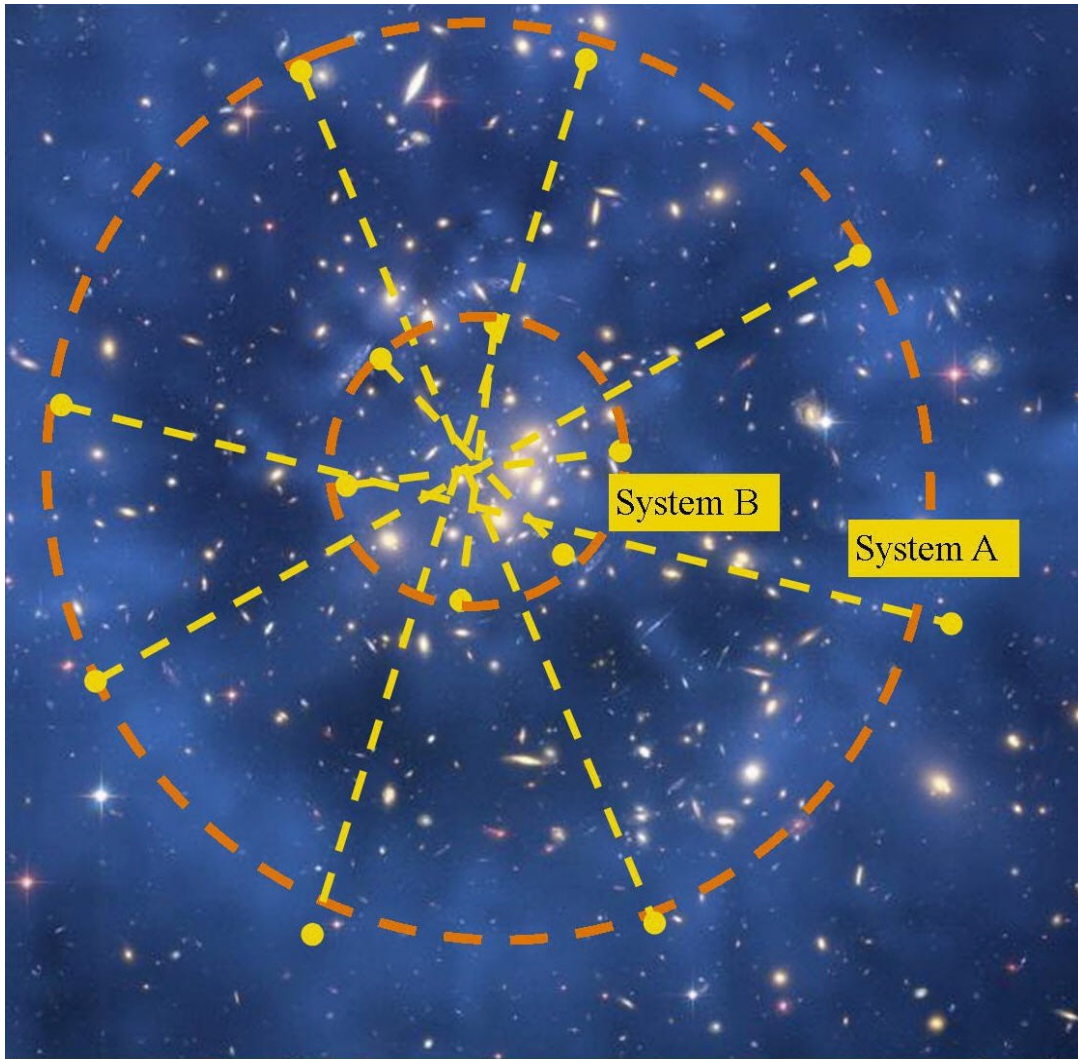
The origin of Elliptical Galaxies and complex external Dark Matter lobes, by merging of "early" spiral galaxies, each equipped with two Galaxy anchor black holes (GABHs) located on each side of the equatorial plane of the spiral.



From left to right, the spiral structure will fade away, during the process, only some bars seem to be able to left over from the original mergers. Consequently, the Lenticular galaxy can be interpreted as an intermediate galaxy form. Author: Leo Vuyk

There are two large gas clouds above and two large clouds below the galaxy equator, so our galaxy seems to be the result of the merging of TWO large Cygnus A type galaxies. However, the smaller clouds in the image could indicate that our galaxy has also eaten some smaller merger galaxies.

Figure 14.



Two Dark Matter rings observed in a galaxy cluster are assumed to represent so called Galaxy Anchor Black Holes (systems A and B yellow dots) according to Quantum FFF Theory. Central Elliptical galaxies seem to emerge out of merger spiral galaxies as depicted below. (author Leo Vuyk)

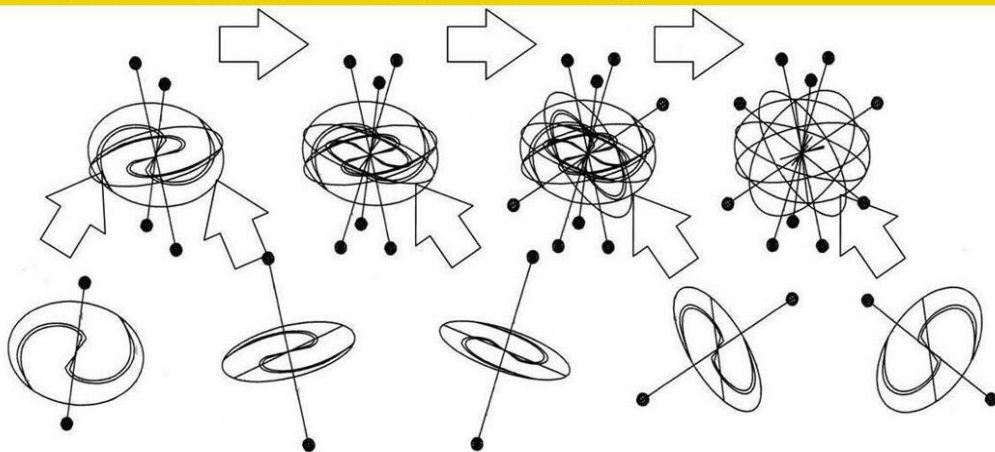


Figure 15.

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 - [11] [viXra:1104.0044](#) submitted on 13 Apr 2011.
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 - [12] [viXra:1104.0083](#) submitted on 28 Apr 2011.
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 - [15] [viXra:1111.0061](#) submitted on 15 Nov 2011 Authors: [Leo Vuyk](#)
Black Hole Horizon Curvature Dependent Balance Between Plasma Creation and e-e+ Annihilation in Quantum FFF Theory.
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