

Quantum Function Follows Form Theory, the Large Scale, Posters part 2.

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Abstract.

The Quantum FFF Theory is the result of an architectural or geometrical interpretation of the forms and structures we are able to observe nowadays by means of modern observation techniques like CT scanning in the lab up to Satellite observation in space. Besides architecture I am interested in design for sub-quantum imaging and microstructure of elementary particles, forces and the vacuum lattice structure of the ether. The idea is that the different geometry or real FORM aspects of the sub-quantum world could be responsible for the FUNCTIONS and all the physical- and astronomical mysteries around us. This second part is mainly focused at the large scale of the mysteries.

Introduction.

My research effort was at the start, inspired by the search for the origin of Ball Lightning phenomena, culminating in his proposal that ball lightning should have strong similarities with a "Micro black hole." In 1995 I defended the Micro black hole model for the Ball Lightning phenomenon at the ISBL or International Symposium for Ball Lightning at Canterbury (UK)(july 1995) University of Kent at Canterbury, UK, 25-27 July 1995, organized by R.C. Jennison. ([see THIS](#))

In 1996 I described the possibility of Zero Point Energy generation by two ball lightnings or micro black holes in a Dutch patent called: Practical containment, development and exploitation of energy contained in ball lightning discharges or black holes. This dual micro black hole proposal was inspired by my findings in the literature of multiple [anomalous dual lobed radio galaxy structures](#) in the early universe which I discussed with astronomer Halton Arp. In 1998, Halton Arp, wrote about my findings in his book "Seeing Red" (Apeiron 1998, page 191), "How is it possible that the exquisitely trained professional scientists have not recognized this evidence? To make the point that it is not the evidence but the viewer that is

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the key here, I want to present Figure 7-20. These are examples from a page, which an architect named Leo Vuyk sent me.” ([see THIS](#))

The double lobed galaxy phenomenon was the start of new ideas about the new character of Fermion repelling black holes by the combination of an energetic oscillating Higgs like vacuum able to produce propeller shaped Fermions by Higgs particle transformation and a new Quantum Knot Black hole nucleus. At the same time, this was reason to postulate a black hole nucleus of the Big Bang (Big Crunch) splitting black hole, creating multiple Charge-Parity symmetrical entangled universes, called the cyclic “Raspberry Multiverse”. This new black hole paradigm was reason to postulate that even ball lightning should have a microscopic Quantum Knot based black hole nucleus able transform vacuum energy into heat and electric potential between the inner and outer layers of the plasma ball.

Literature research on scientific described anomalies found in the lab (e.g. Babcock and Bergman 1964) or in space (e.g. I.I. Shapiro 1964) resulted in my proposals for several new experiments in different physical fields. see; “Quantum FFF Experiments, a Summary”: <http://vixra.org/abs/1305.0140>)

Recent research and tests on Silicon based Ball lightning in the laboratory, did support the new paradigm that Ball Lightning or micro Black Holes are based on so called evaporating Quantum Knot concentrations able to produce zero point energy out of the vacuum and leaving small open channels behind inside silicon globules. ([see THIS](#))

The main Quantum-FFF theory characteristics are:

A: That a "black hole" has no mass- because it does not emit push gravitons-, but is the origin of all "dark matter" in the universe and can exist at all scales from Quantum Knots (or Ball lightning) up to Comets, Sunspots, external Galaxy Anchor Black Holes, up to the Big Crunch- or Big Bang Black Hole.

B: That "dark energy" is based on microcopic massless vacuum (non SM) Higgs particles, energetic oscillating in opposing pairs and able to convert into pairs of electrons and positrons, e.g. by quantum fluctuations at the horizon of black holes or in decay process.

C: That the 126 GeV mass of the Higgs particle (found by the LHC in Geneva) could be translated into 126 GeV energy of the paired vacuum particles. (alternative non SM Higgs) and is consequently the first sign of “dark Energy, consequently the LHC found a first sign of Dark Energy!!

D: That as a result, the Universe is cyclic, super symmetric and has the form of a raspberry shaped pulsating symmetric Multiverse with finite cycle time.

E: That all matter and humans have their instant entangled copy symmetric counterpart living inside the symmetric lobes of the raspberry multiverse. which is also supposed to be the base for consciousness and the solution for so the called Schrödinger’s Cat problem.

F: That Humans and higher animals have the ability to influence conscious acts by a small retardation or lagging effect (300 msec) in decision making. This lagging effect phenomenon is already found in the lab and described for human subjects by Benjamin Libet, called RPI and RPII (Readiness Potential 1 and 2) see: <http://vixra.org/abs/1103.0015> called

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“Wavefunction Collapse and Human Choice-Making Inside an Entangled Mirror Symmetrical Multiverse.”

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

Inside the early universe however these systems are observed as dumbbell shaped radio lobes at both sides of early galaxies (Faint B3 radio galaxies). Recent cosmic observations of the infra red and x-ray background radiation of the universe by Chandra and Spitzer space telescopes (CIB and CXB), suggest that even direct after the big bang ABUNDANT black holes already existed.

This can be interpreted as a support for a Black Hole splitting Big Bang and a Black Hole pairing Big Crunch before, thus there is reason to propose a cyclic Universe.

In Quantum FFF theory, the chirality of our universal vacuum lattice is proposed to be the origin of black holes with negative outer charge and the origin of the formation of matter over anti-matter around these negative charged black holes. The chirality of the oscillating Higgs vacuum is supposed to be the origin of preferred Positron attachment with three different shaped monopole Gluon/photons for easy Quark formation. Quantum FFF Theory states that all quarks and two leptons (muon and Tau) are composed out of electrons or positrons as a base with one or two photons/Gluons as "click-on" elements and "click out" and transform on decay processes . So Quark compositeness is needed to be in line with the color charges of QCD model.

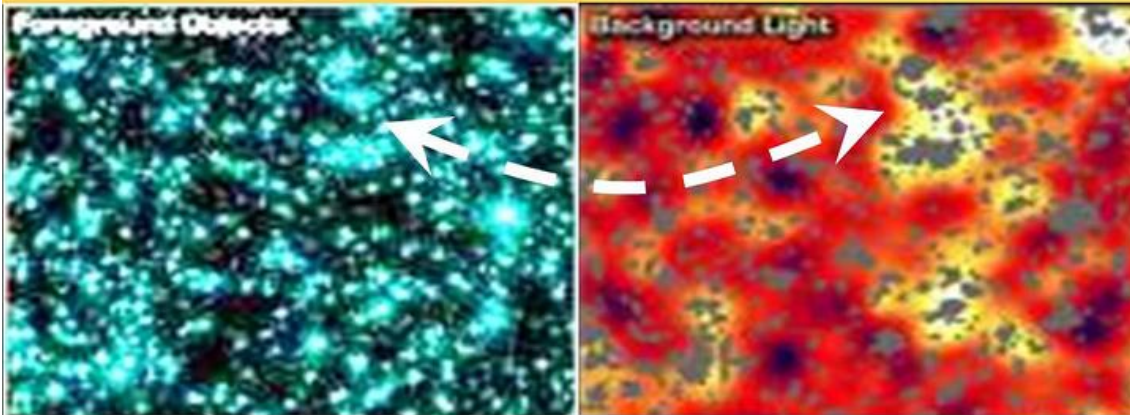
At the same time, Muons and Tau particles are supposed to be identical with Down- Quarks respectively Charm- Quarks, which could be the explanation for dual or even triple Muon anomalous magnetic moments found by recent lab experiments. (<http://arxiv.org/abs/hep-ex/0602035>)

See: Quantum FFF-Theory Essays by Leo Vuyk published on Vixra library. http://vixra.org/author/leo_vuyk and the book “The New God Particle and Free Will” (LuLu 2008)

In addition, two recent essays are produced for FQXi magazine contest. 2012 <http://www.fqxi.org/community/forum/topic/1412> Called: “The Bouncing CP Symmetrical Multiverse, Based on a Massless but Energetic Oscillating (Non SM Higgs) Vacuum Particle System by Leo Vuyk.” and FQXi contest 2013 <http://www.fqxi.org/community/forum/topic/1591> called: “Hubble Redshift Despite Universal Contraction is possible. by Leo Vuyk”

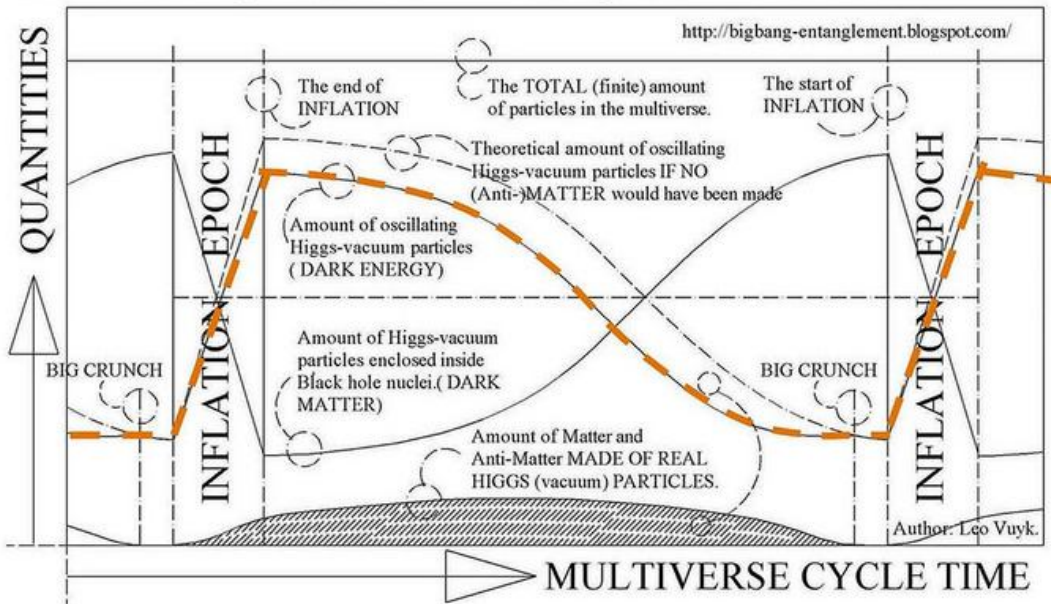
Chapter 1. The Big Bang and Crunch.

Recent finding of Black Hole abundance in the CIB Cosmic Infra Red Background and X-ray : CXB, is a strong support for Quantum-FFF theory Black Hole splitting Big Bang—Contracting -Big Crunch cycle,



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.

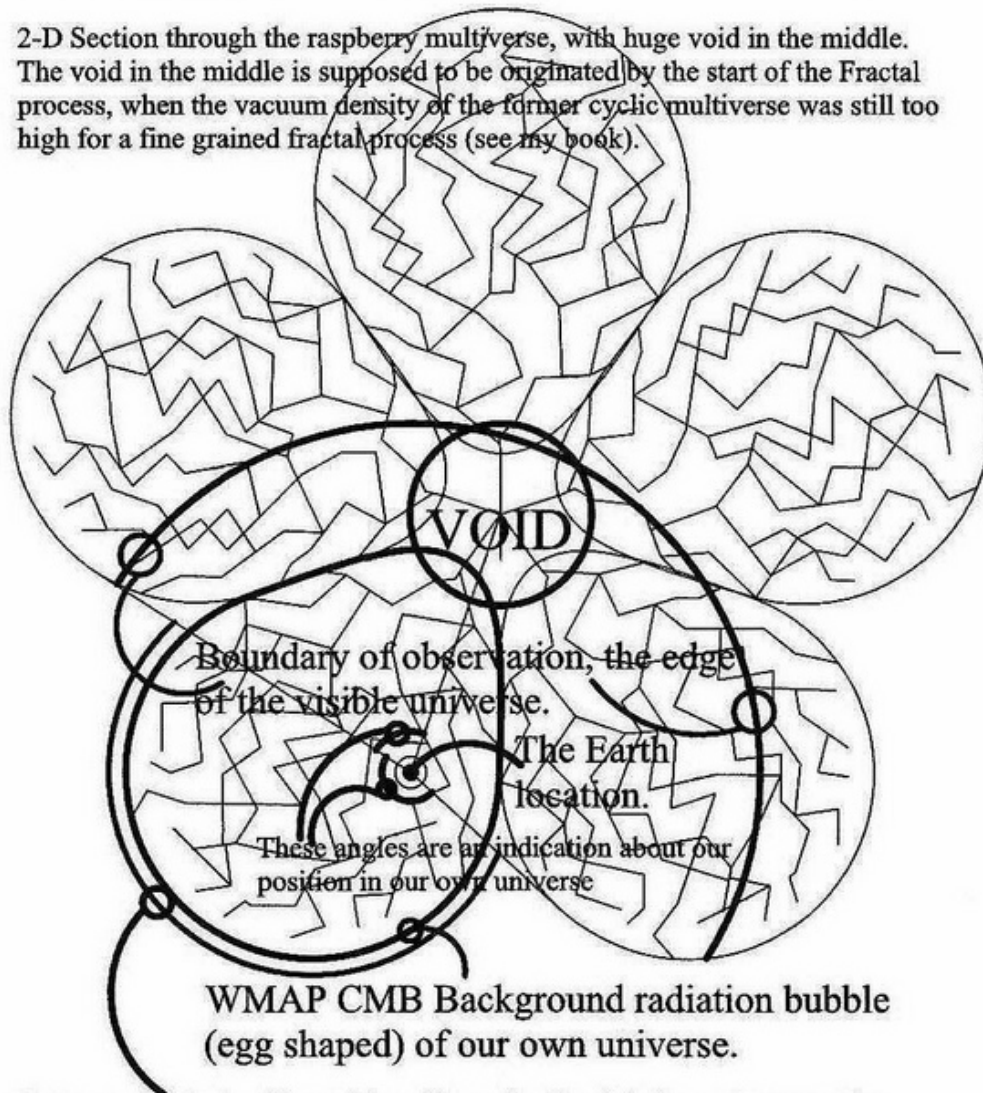
Figure: 1,1.

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).

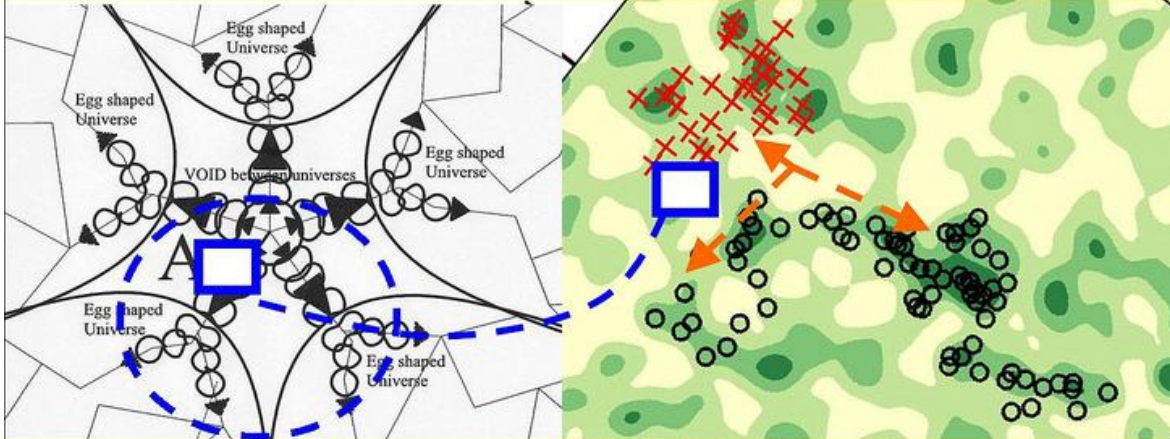


Future research should provide evidence for the globular anti-symmetric distribution of galaxy clusters without a CMB shadow. In the external half of the globular hemisphere all galaxy clusters will show up with a clear shadow in the CMB, because there are no galaxies located behind this part of the 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: 1,2.

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The start of the alternative Big Bang or Black Hole splitting and evaporation process, the creation of the Raspberry shaped Multiverse (12x anti-copy big-bang entangled universes) according to Quantum FFF (Function Follows Form) Theory.



The Big Bang Black Hole splitting and evaporation process (or branched inflation) is supposed to create the ‘bushy’ Lyman alpha galaxy and gas distribution of the universe leading to so called “fingers and voids”

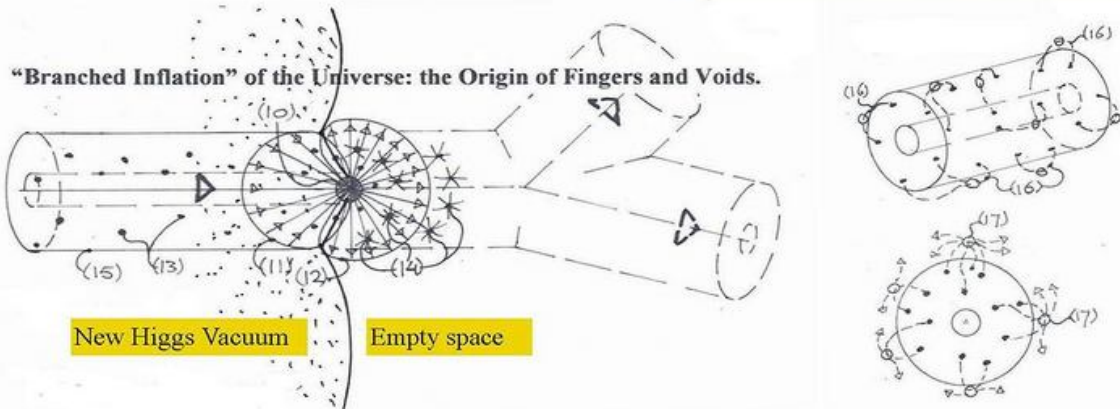
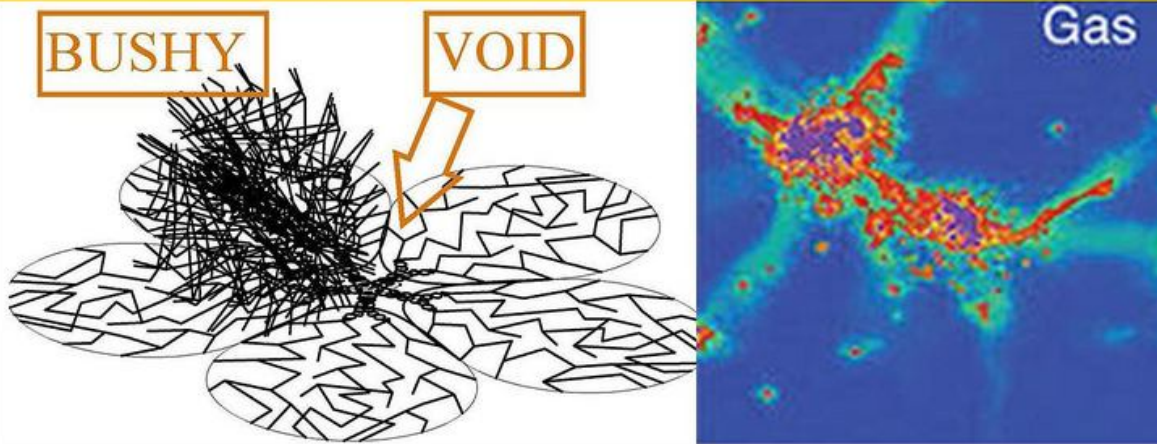
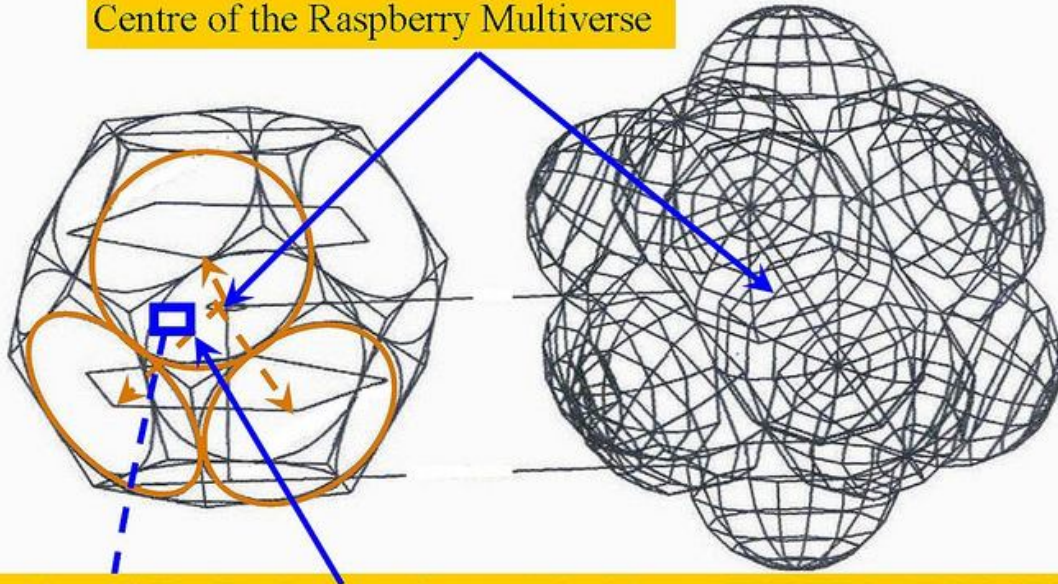


Figure: 1,3.

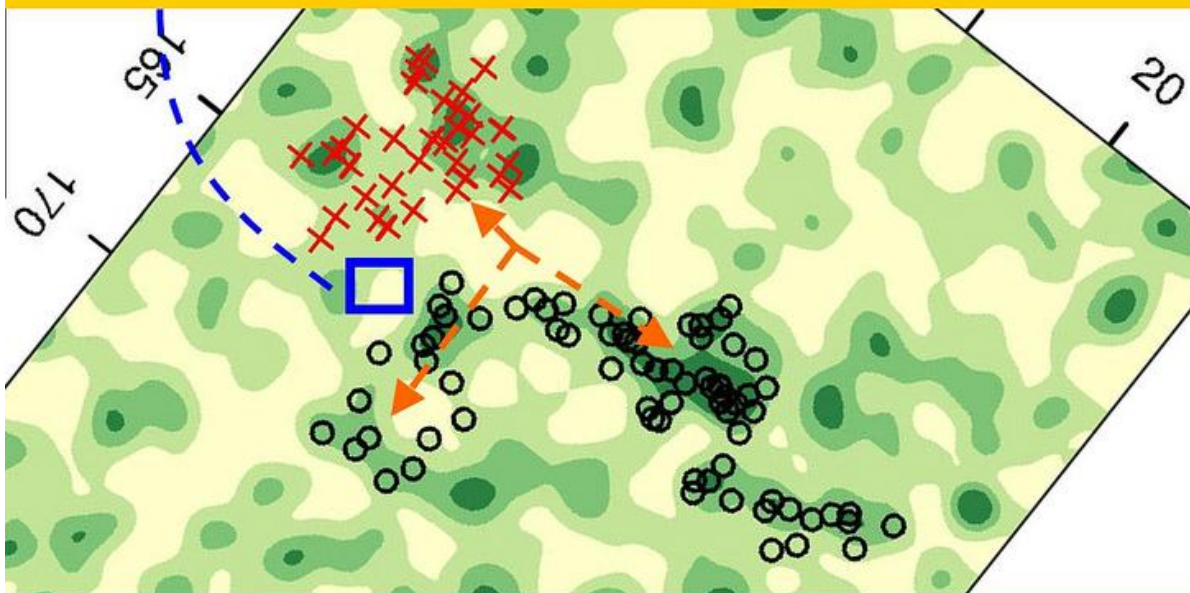
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THREE LQG's (Large Quasar Groups, suggested by R.Clowes et. al) seem to be related to the Big Bang- Black Hole evaporation process of the Raspberry shaped Multiverse (12x anti-copy universes) according to Quantum FFF (Function Follows Form) Theory. (author L.Vuyk)

Centre of the Raspberry Multiverse



Position of The Earth (our telescope) looking at THREE LARGE QUASAR GROUPS being the start of three (out of 12x) universes at the centre of the Multiverse. The other 9x universal LQG's are out of site!



Professor R. Clowes et al. suggested already (but also rejected) that the Huge LQG group (black circles) could be a dual group based on the sharp curvature in the middle.

Figure: 1.4.

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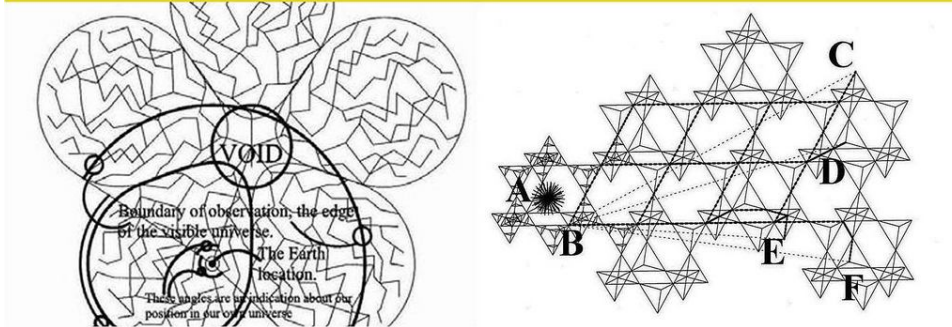


Figure: 1,5.

Comparison of the Final ESA CMB Planck map with a cross section through the Raspberry Multiverse according to Quantum Function Follows Form theory. Compare the Cold Spot with the Void and the Warmer and Colder Hemisphere of the Plack CMB (left) with observation boundaries (right)

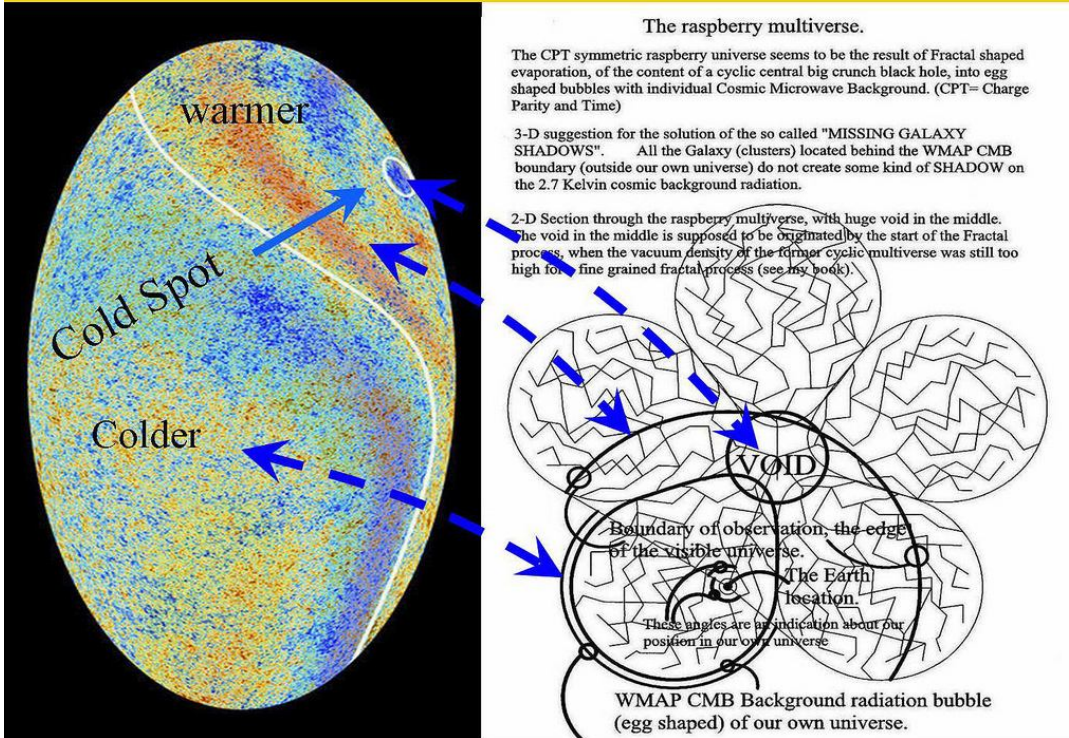
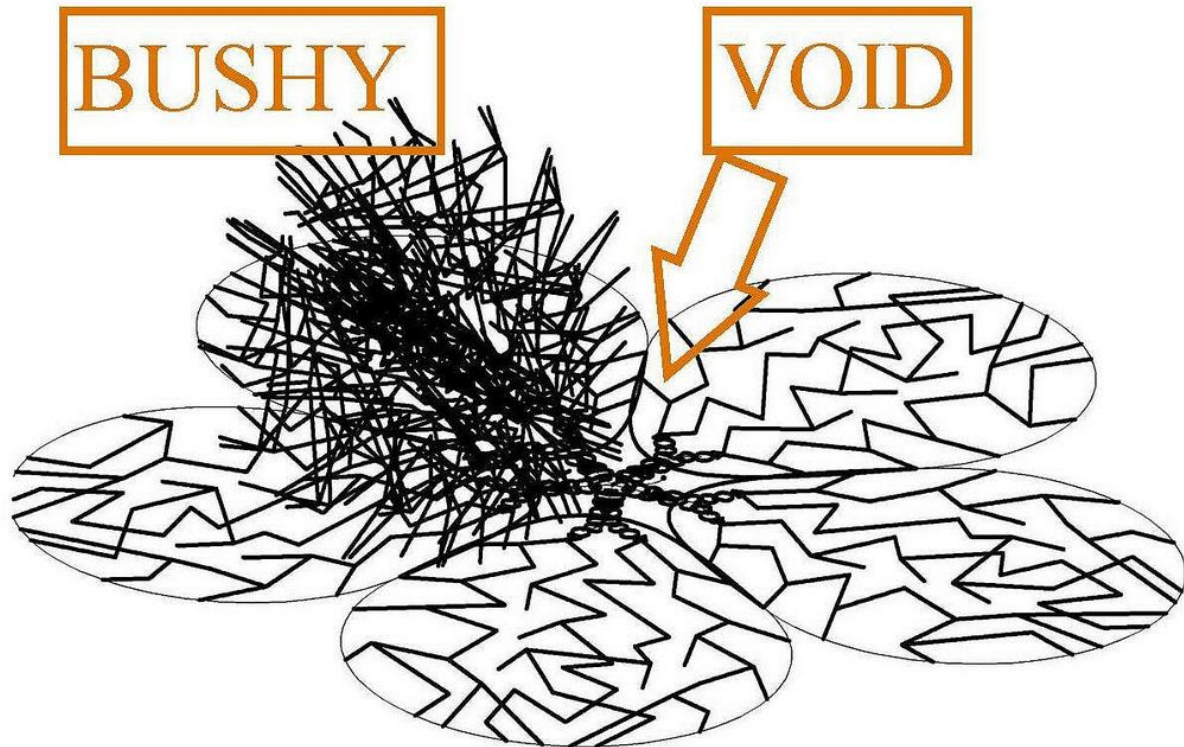


Figure: 1,6.

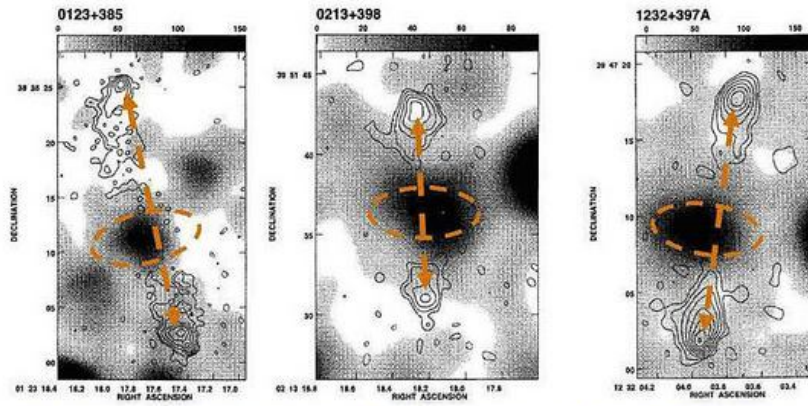


The black hole splitting and pairing raspberry shaped multiverse seems to need a BUSHY structure just in line with observation of the Lyman alpha forest and a large VOID in the middle.

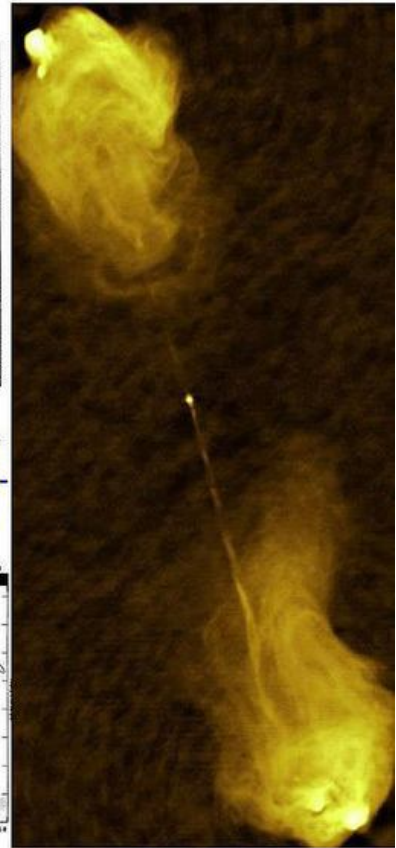
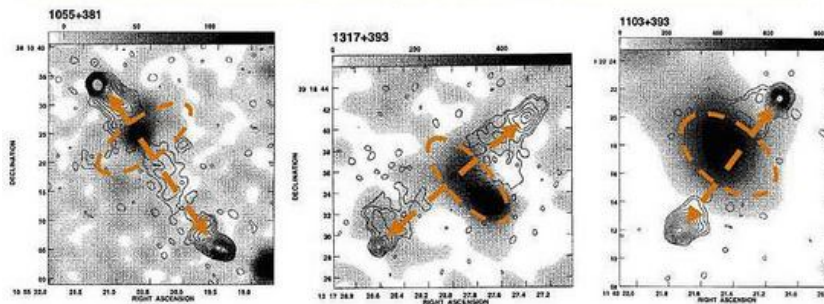
If the Big Bang could be interpreted as the splitting of a former Big Crunch black hole, then the bushy structure represents the splitting black hole trajectories. (Author: Leo Vuyk)

Figure: 1,7.

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All images are copies from: The Astronomical Journal Vol 109 nr 2 Febr. 1995. the article is called: Faint B3 Radio Galaxies: Luminosity versus evolution effects, authors: F.N.Owen ad W.C. Keel.



TWO pairing and receding micro black holes, propelled by unstable ionised gas tails, as observed in many Nebula: Carina, Eagle, Crab etc. creating HH objects or Gas Pillars.

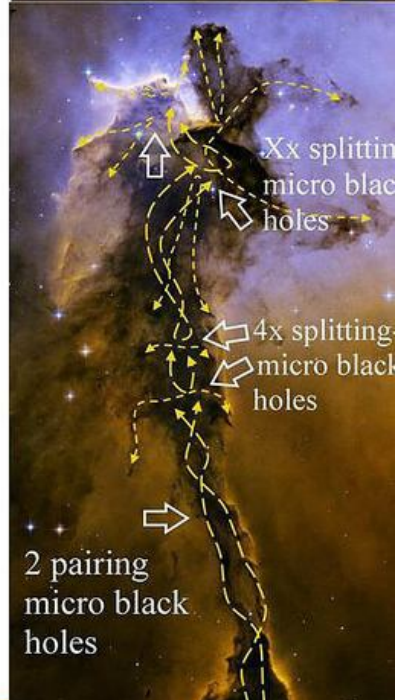
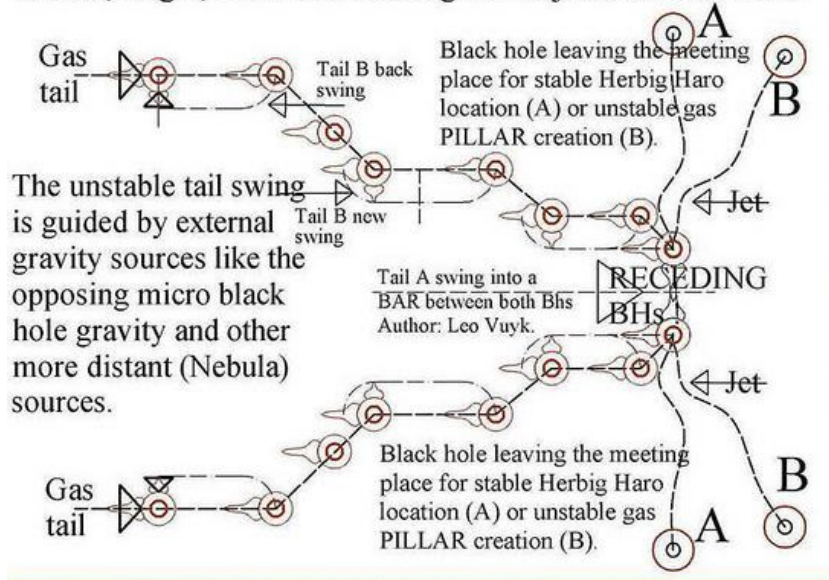
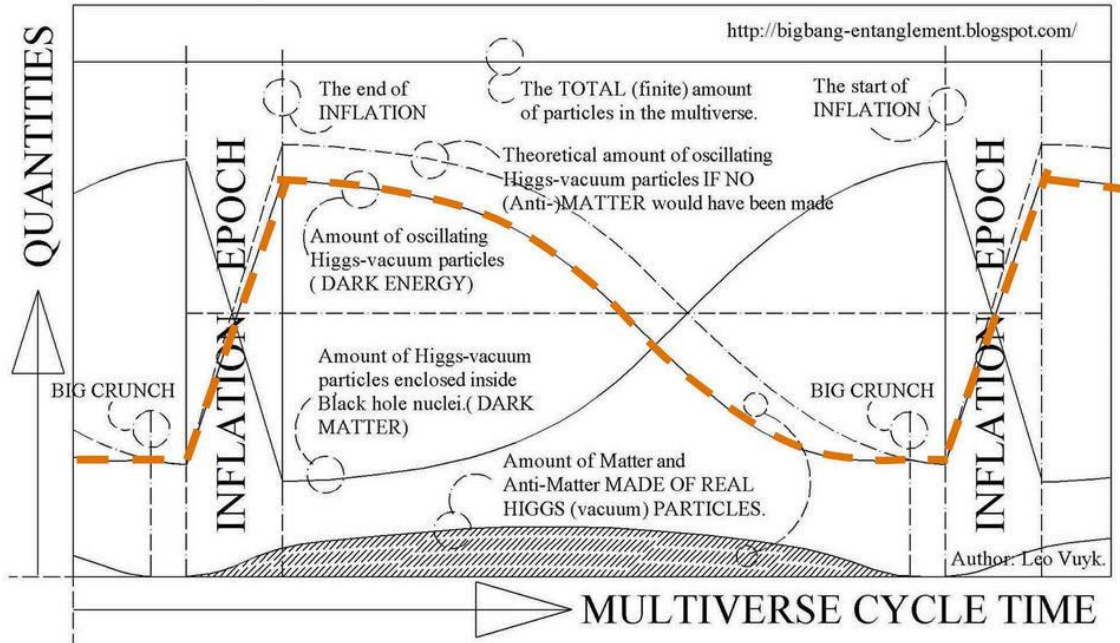


Figure: 1,8.

QUANTUM FUNCTION FOLLOWS FORM THEORY

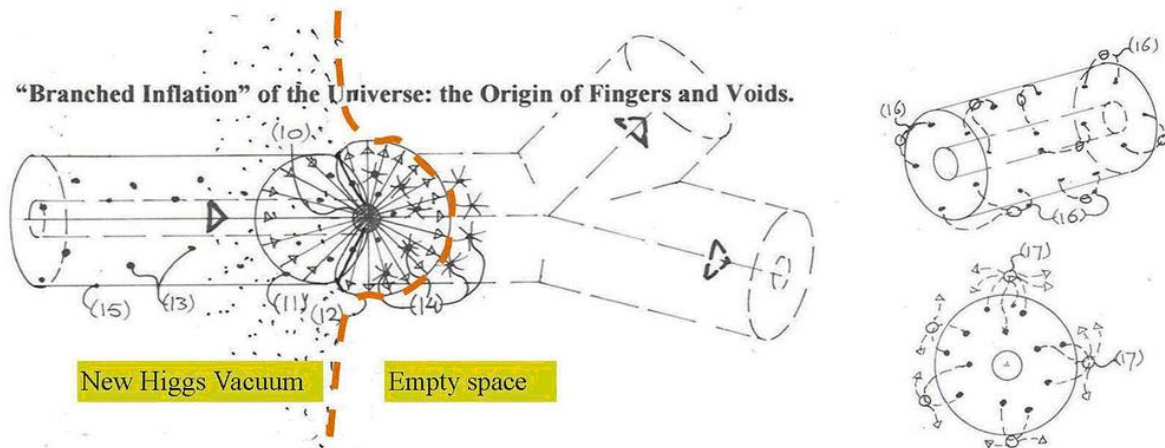
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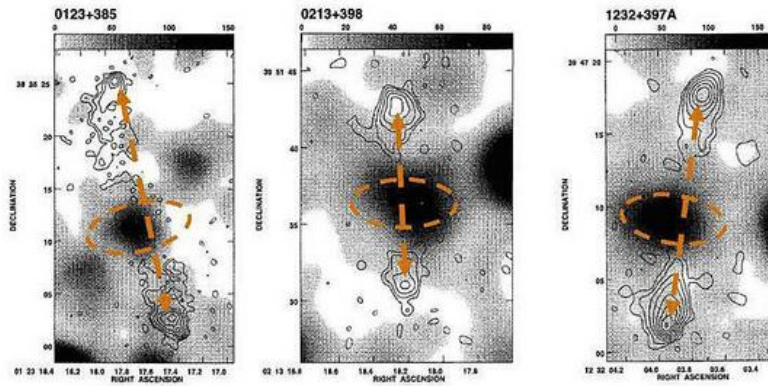
Figure: 1,9.



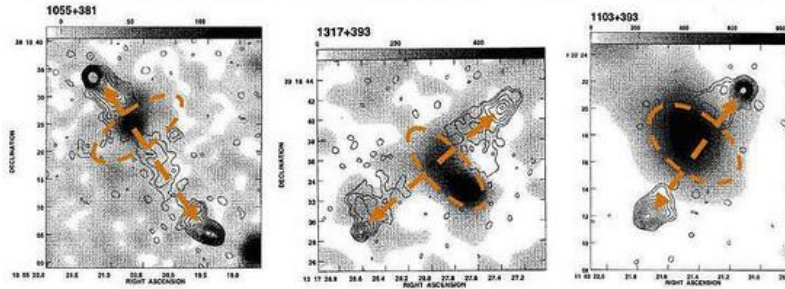
The origin of the Lyman Alpha Forest (15) and Higgs vacuum, by the splitting of the Big Bang Black Hole (BBBH) into smaller Splinter BHs (10). The splinter BHs (10) evaporate into smaller evaporating black holes at the Front (14) which compensate the pressure from the Backside splinter BHs (11). The 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: 1,10.

Chapter 2. The Galaxy scale



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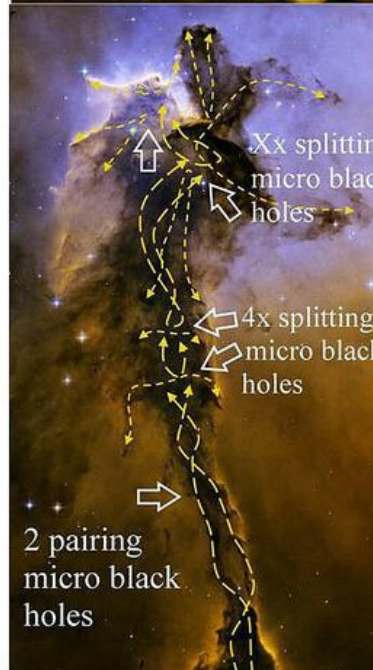
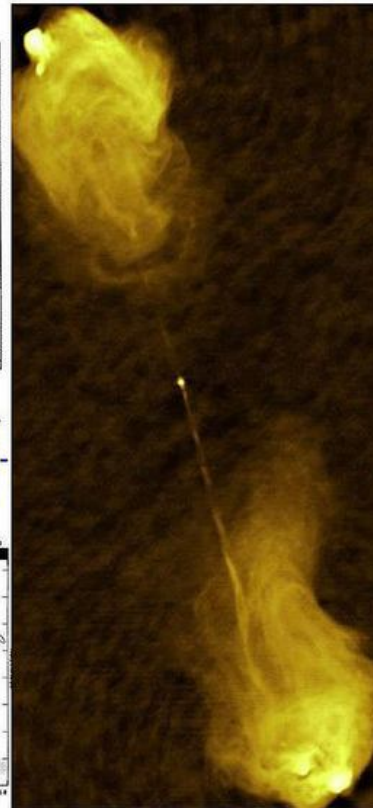
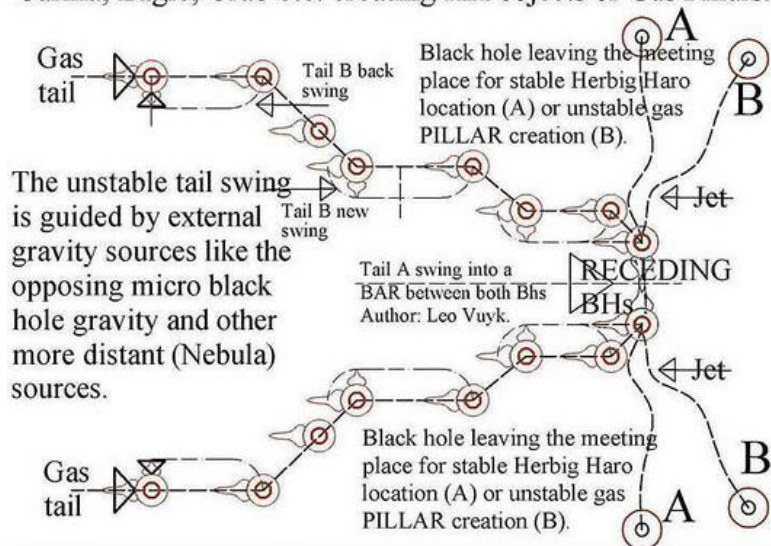


Figure: 2.1.

DWARF Galaxy formation (15) in between (2 +) Galaxy Anchor Black Holes (1) (GABHs= Clumpy Dark Matter) after Galaxy merging according to Quantum FFF- Theory.

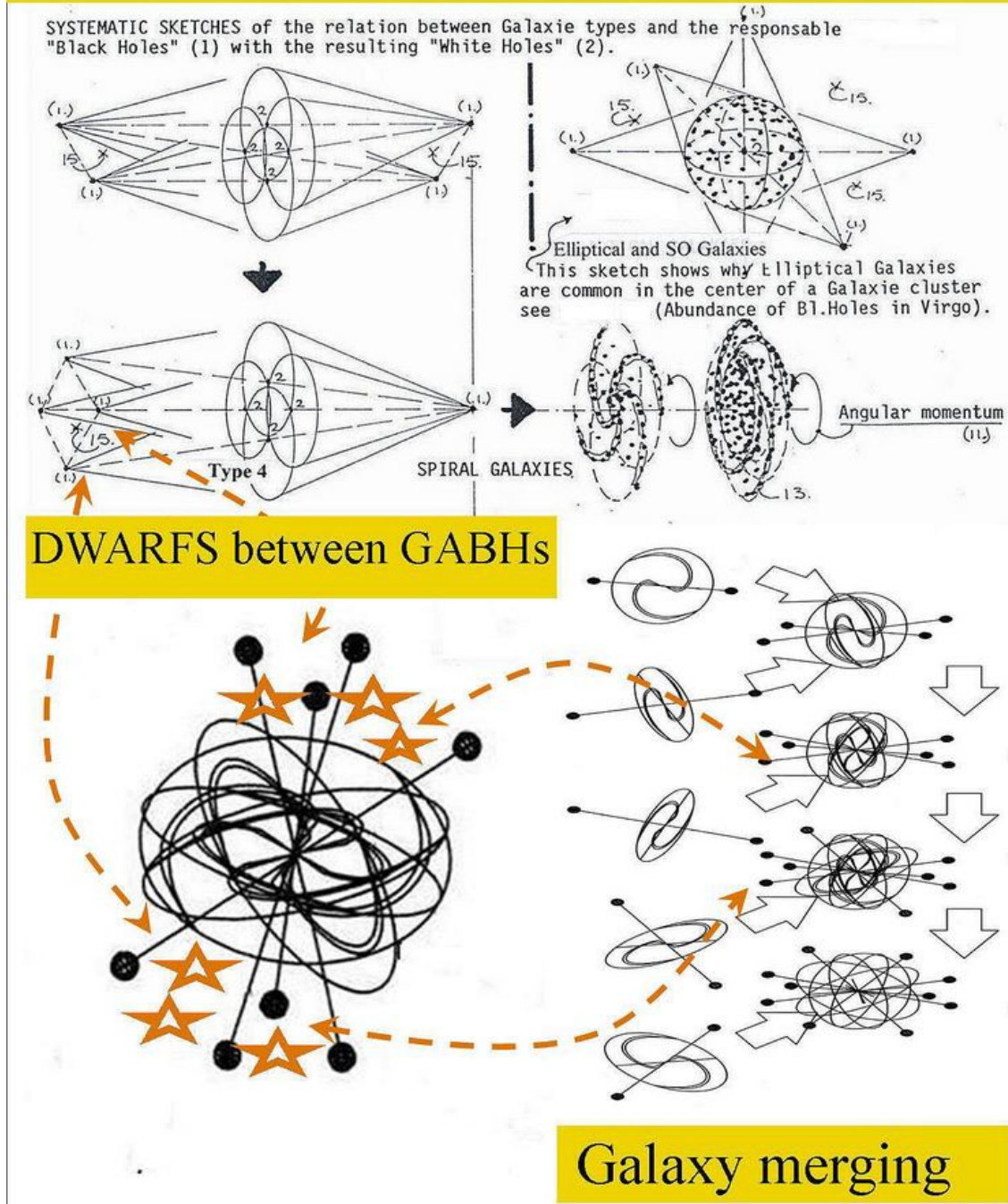


Figure: 2,2.

QUANTUM FUNCTION FOLLOWS FORM THEORY

M82 Starburst Galaxy (2x merging spirals) shows only medium Central located Black Holes [A] (No Giant BHs) and TWO double cone ordering of “Galaxy Anchor Black Holes” (GABHs) [B], according to Quantum FFF theory. (Chandra images)

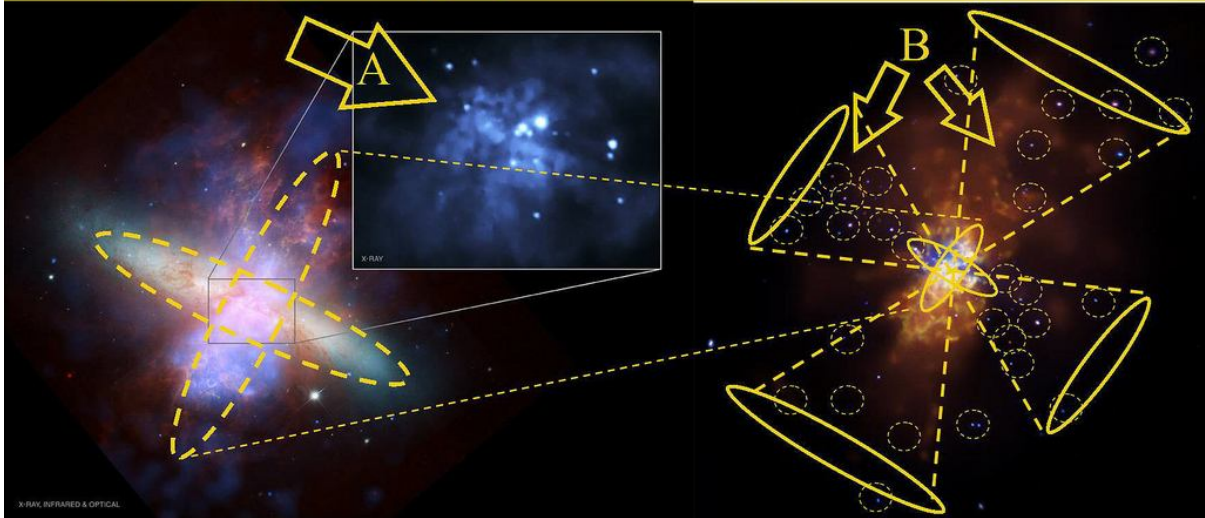
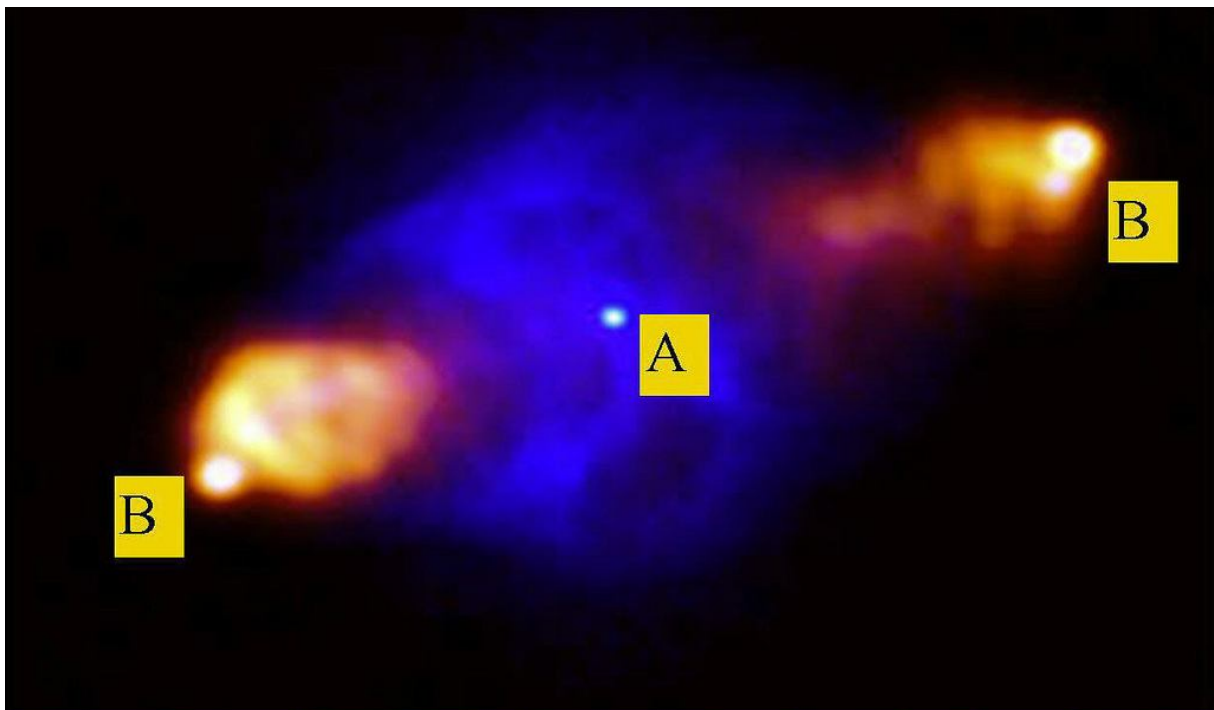
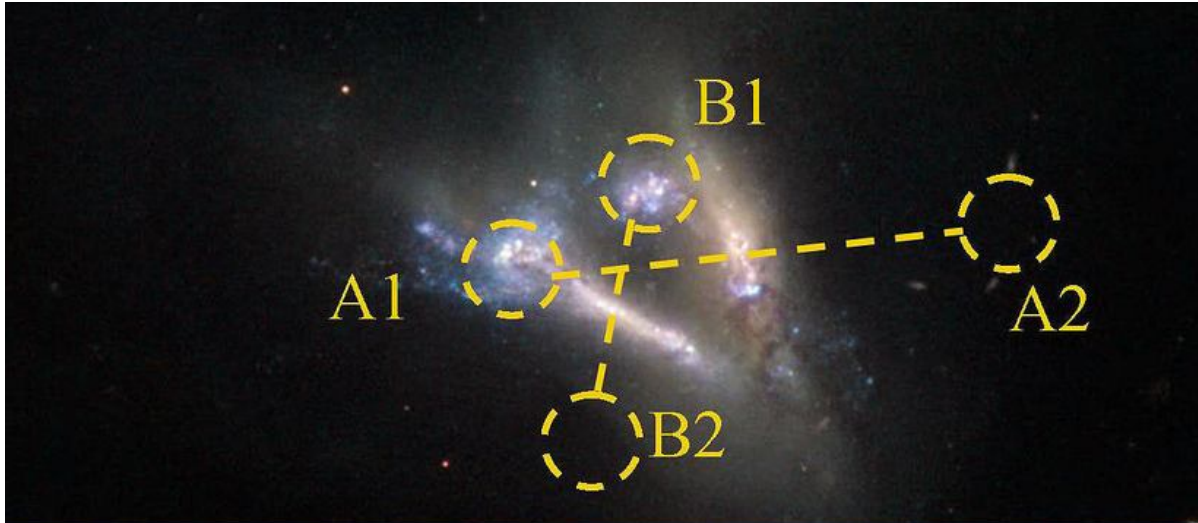


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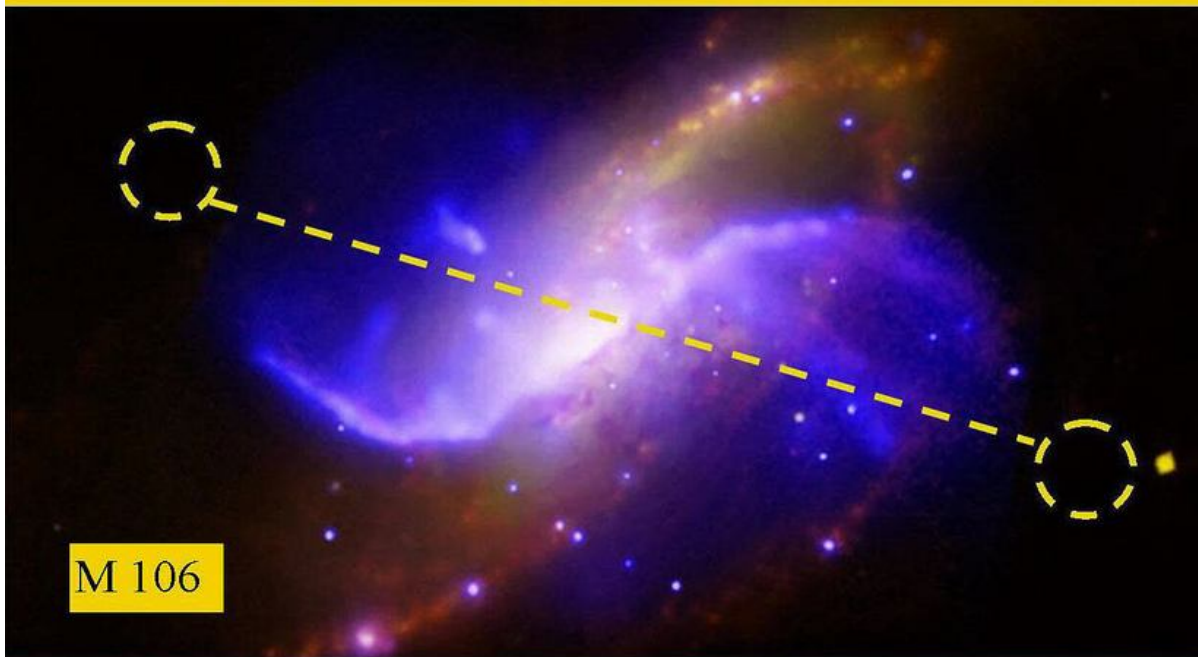


Cygnus A image with LOFAR (Low Frequency Array image) showing combined x-ray (blue around the white hole; A) and radio radiation (yellow around the black holes: B) areas, as a support for the new Black Hole paradigm of Quantum FFF theory.

Figure: 2,4.



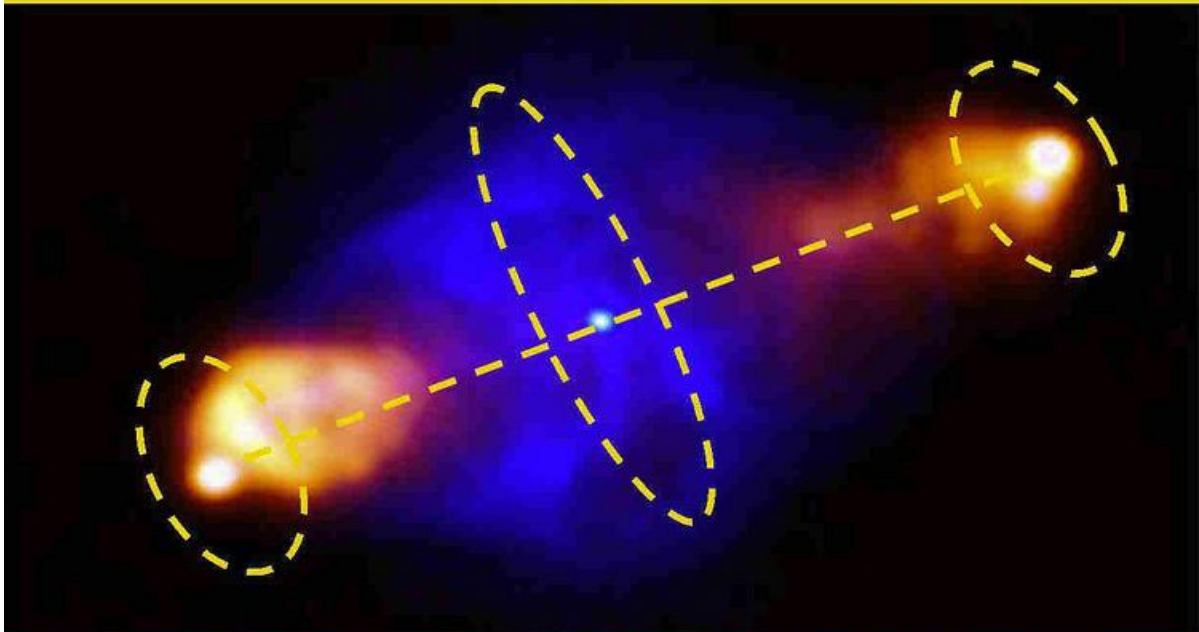
Dark Matter Black Holes as polar Galaxy Anchor Black Holes (GABHs) visible in colliding spiral galaxies (IC2184) according to Quantum FFF Theory. A1+B1 are star forming GABHs. A2+B2 are invisible non-interacting GABHs. Only background lensing effects could reveal the (A2+B2) location.



Dark Matter Black Holes as polar Galaxy Anchor Black Holes (GABHs) as the origin of huge plasma/ gas (blue) streamers.

Figure: 2,5.

Dual Dark Matter Black Hole Systems seem to be active at all scales: Galaxies and Galaxy Clusters



Cygnus A Radio Galaxy (above) and TWO Colliding Galaxy Clusters 1E-0657-66 (below) show both dual dark matter blobs with hot gas areas in between. According to Quantum FFF Theory, Dark Matter Black Holes have a strong pairing ability with gas production and gas concentration by Birkeland currents.

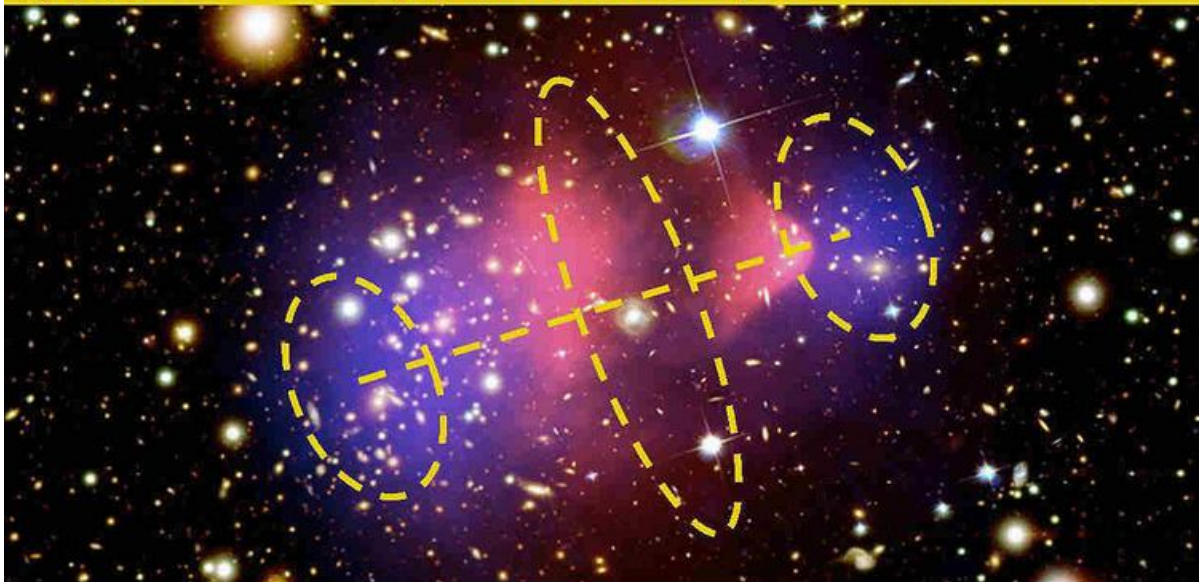
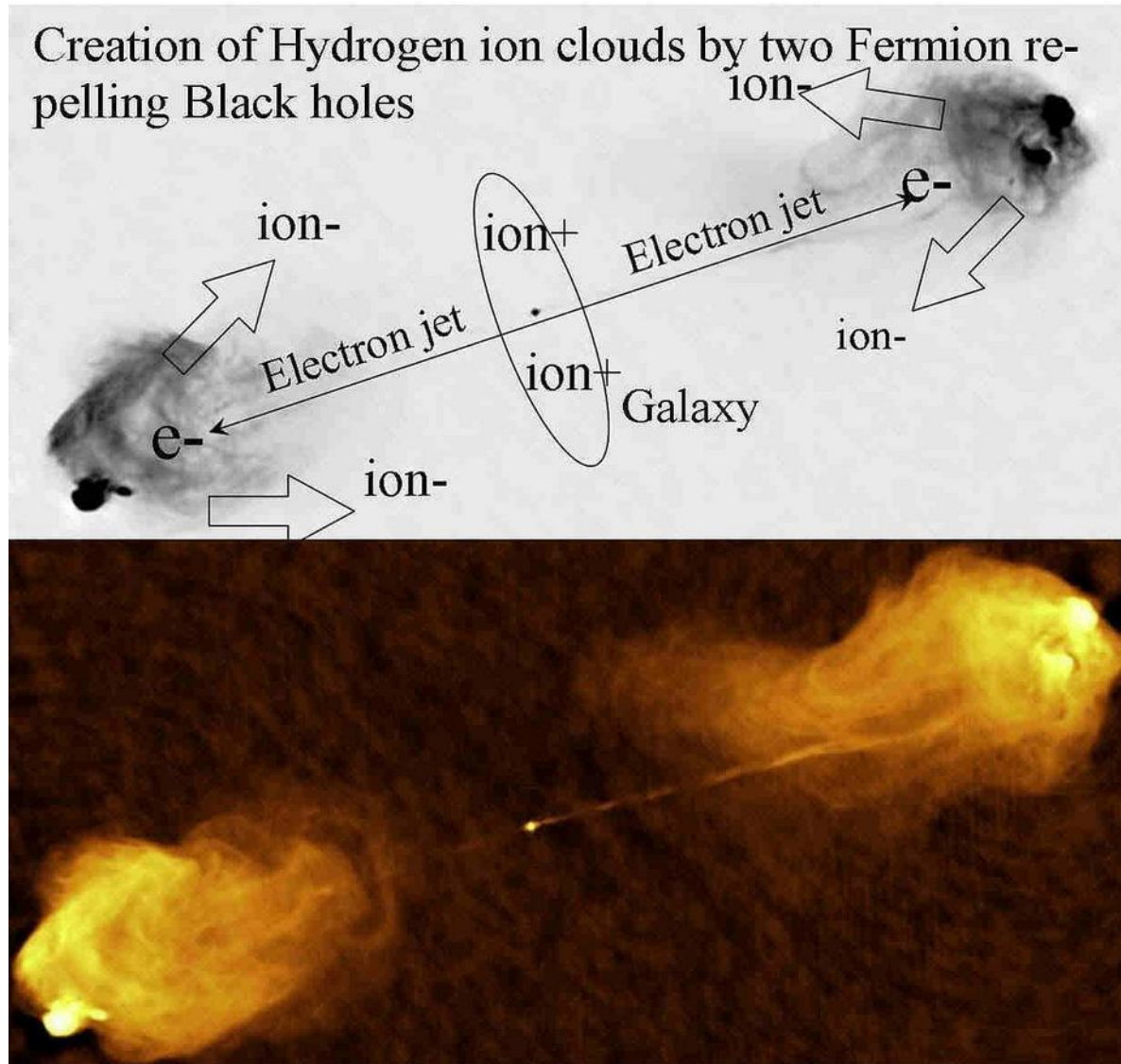


Figure: 2,6.



Cygnus A Hotspots (new paradigm black holes) showing ionized gas production, based on the new elementary particle paradigm. Quarks are compounds of electrons- or positrons with photons. (author Leo Vuyk)

Figure: 2,7.



The Sombrero galaxy (M 104) is seeded with soft x-ray point sources. The majority of the most distant point sources can be supposed to represent so called Galaxy Anchor Black Holes. These points can be symmetrical connected by lines going through the centre of the galaxy, (see below) just as is predicted by the NEW model of complex Galaxy formation based on Galaxy Anchor Black Holes (GABHs) Author: Leo Vuyk.

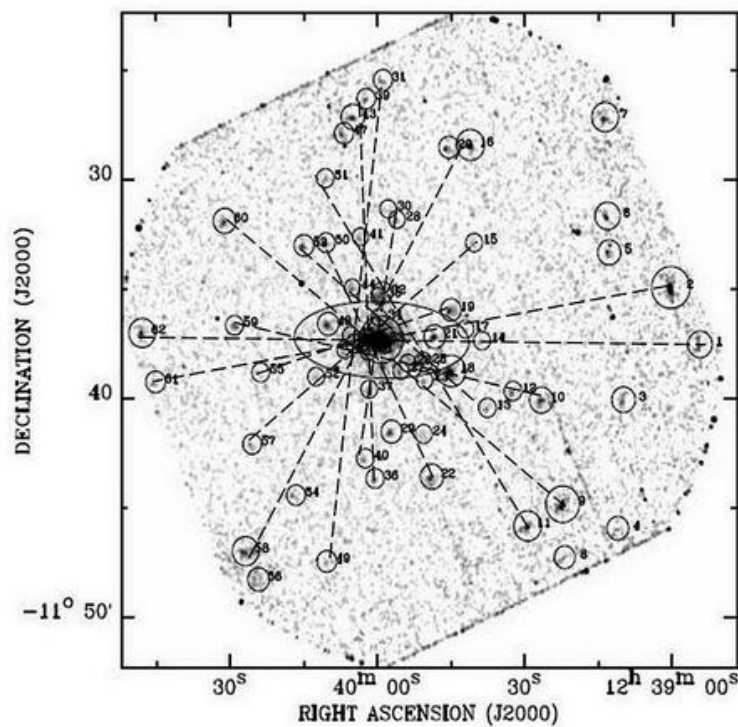
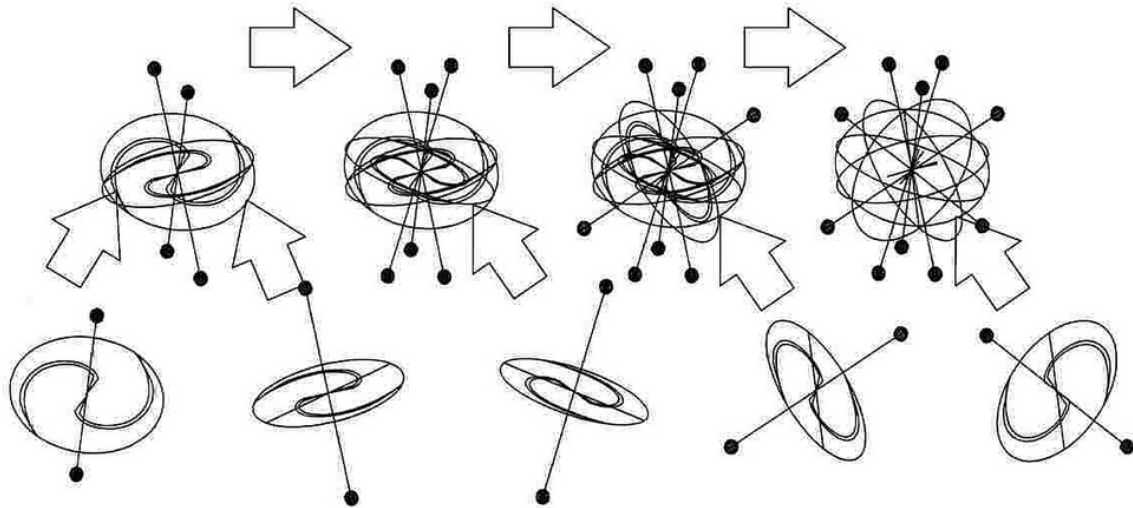


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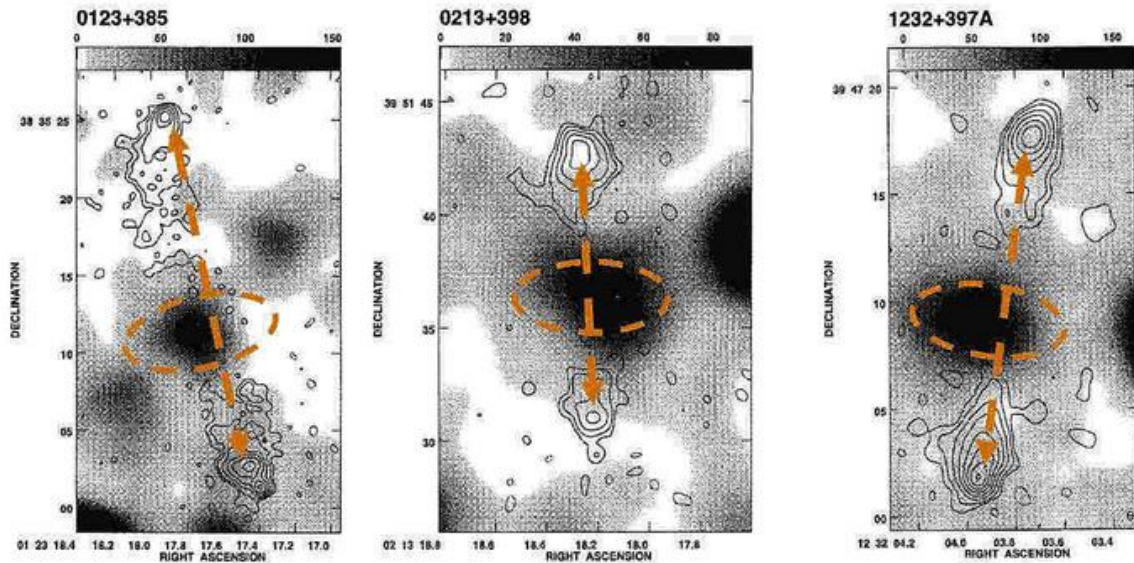
The origin of Elliptical Galaxies and complex external Dark Matter lobes, by merging of “early” spiral galaxies, each equipped with two Galaxy anchor black holes (GABHs) located on each side of the equatorial plane of the spiral.



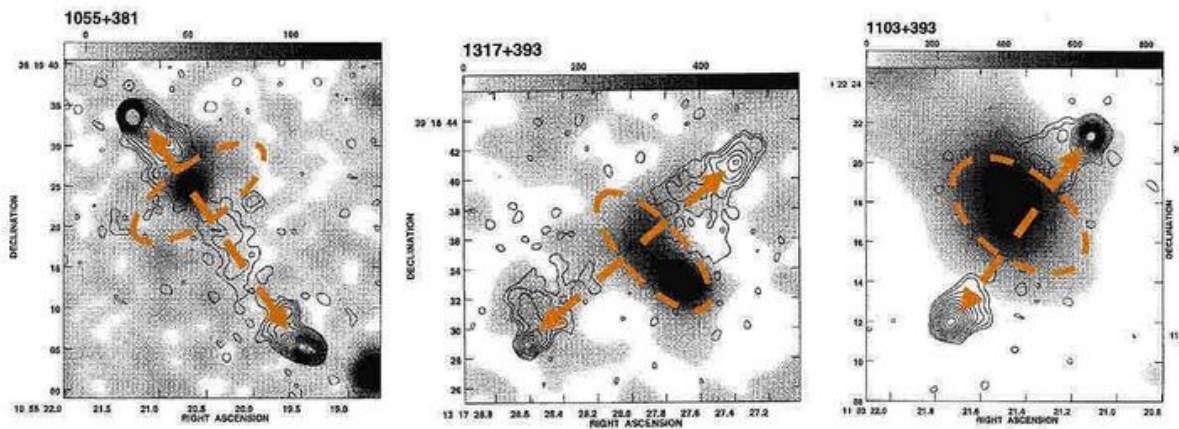
From left to right, the spiral structure will fade away, during the process, only some bars seem to be able to left over from the original mergers. Consequently, the Lenticular galaxy can be interpreted as an intermediate galaxy form. Author: Leo Vuyk

Figure: 2,9.

Examples of dumbbell Galaxy formation between two giant Galaxy Anchor Black Holes (GABHs)



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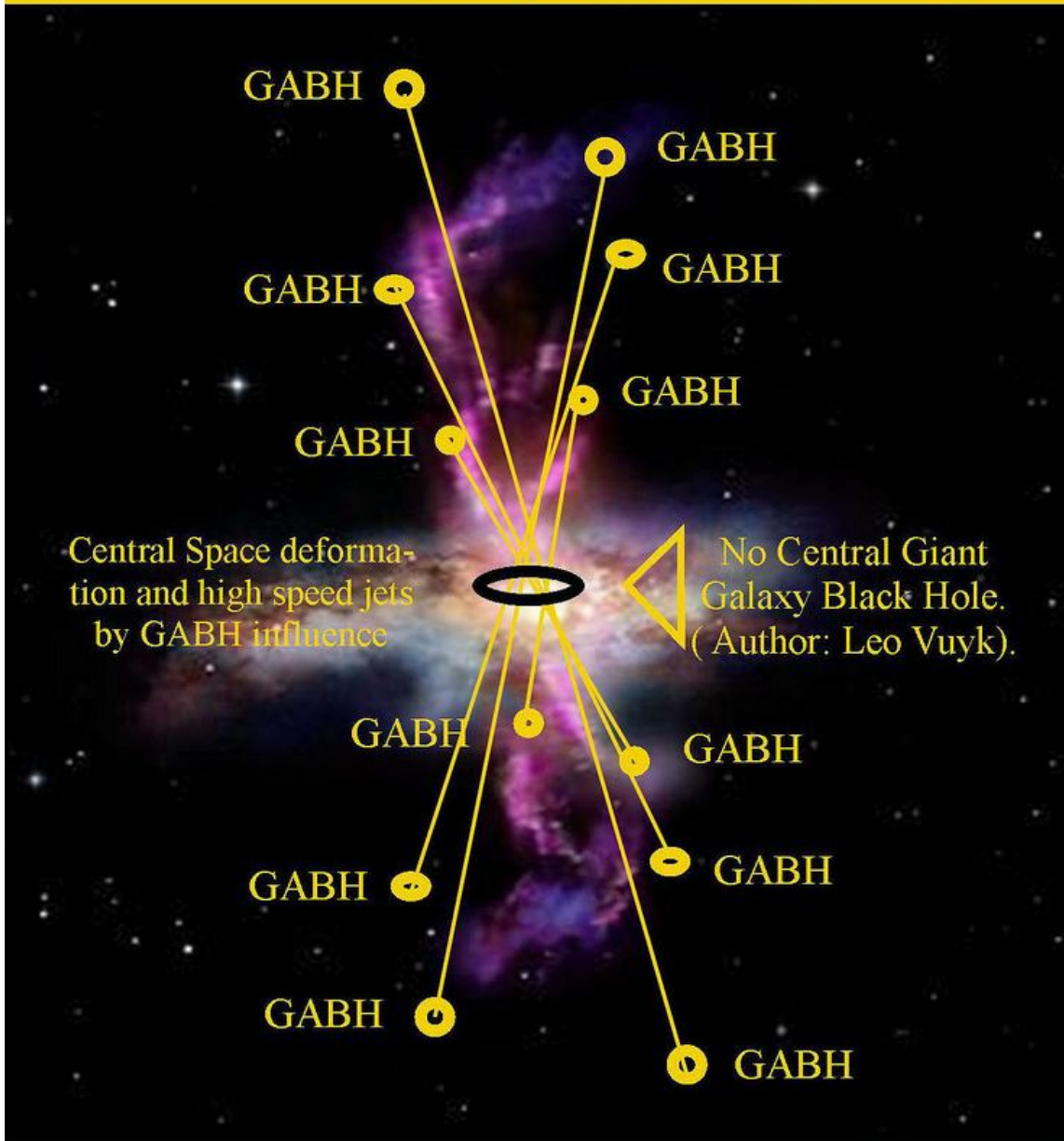


Pairing black holes in alignment with fast forming Galaxies in between them seem to be presented here just like the Cygnus-A Galaxy.

However we need a new black hole paradigm for that! Black holes should have a globular -but narrow- Fermion repelling and Fermion creating horizon with entropy decrease! Even some Planetary Nebula and Herbig haro objects, show comparable geometry, reason to suggest the same binary BH system for planet related stars (Author: Leo Vuyk.)

Figure: 2,10.

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



Massive molecular outflows and negative feedback in ULIRGs observed by Herschel-PACS

Figure: 2,11.

Chapter3, The Stellar scale.

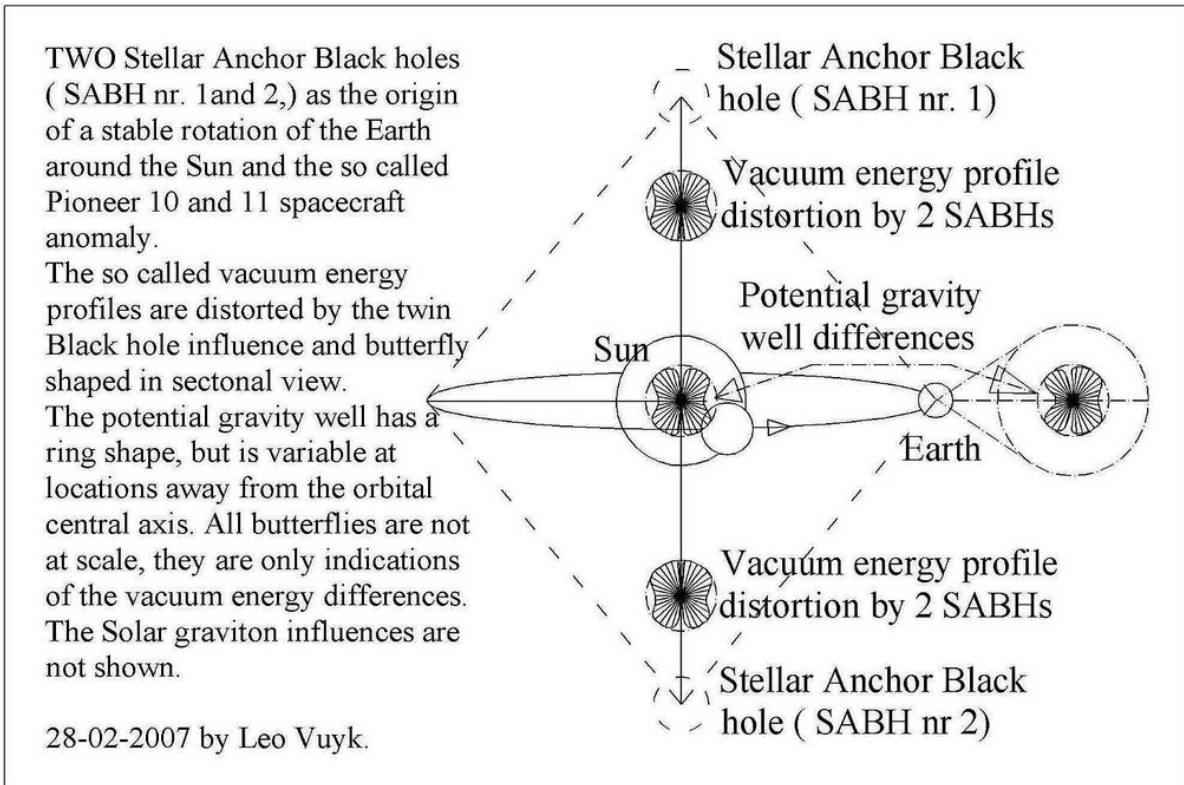


Figure: 3,1.

The origin of Double MWC922 interference rings

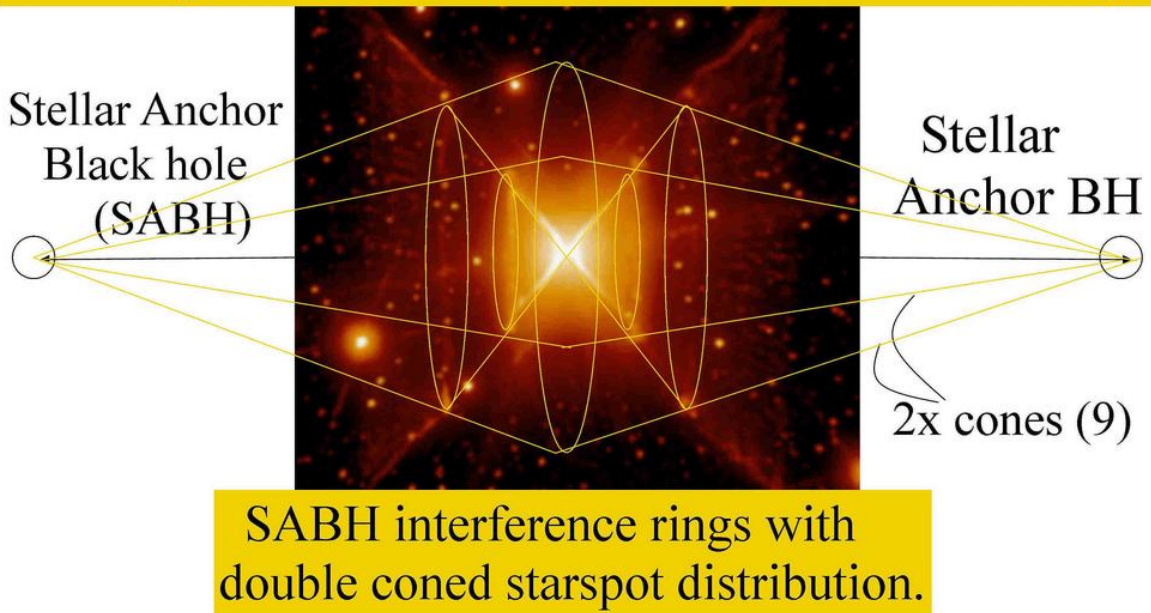
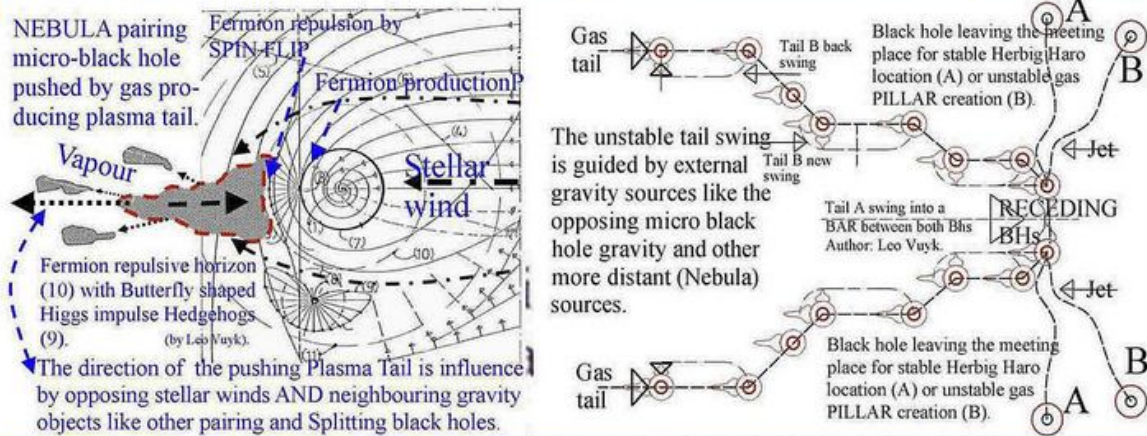


Figure: 3,2.

Examples of Carina nebula Black hole pairing and splitting compared with Quasar Black hole pairing and splitting, both accelerated by self produced H₂-ion plasma tails, according to Quantum FFF theory.



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

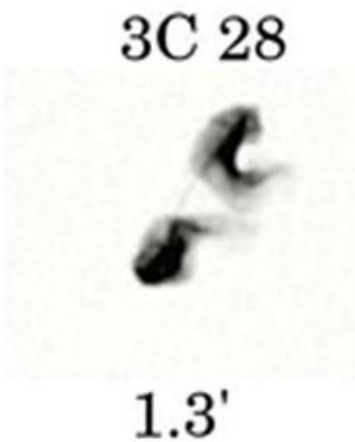
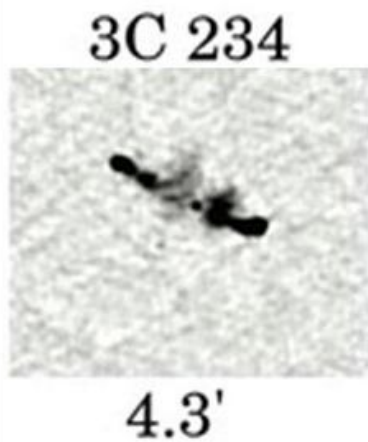
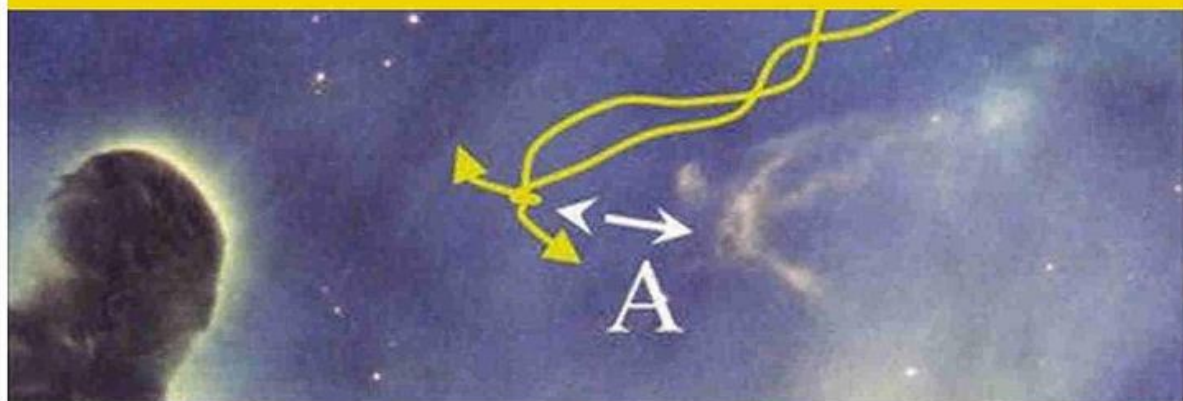


Figure: 3,3.

Electric Current processing between dual Dark Matter Black Hole systems around the Sun and Spiral Galaxies, according to Quantum FFF Theory

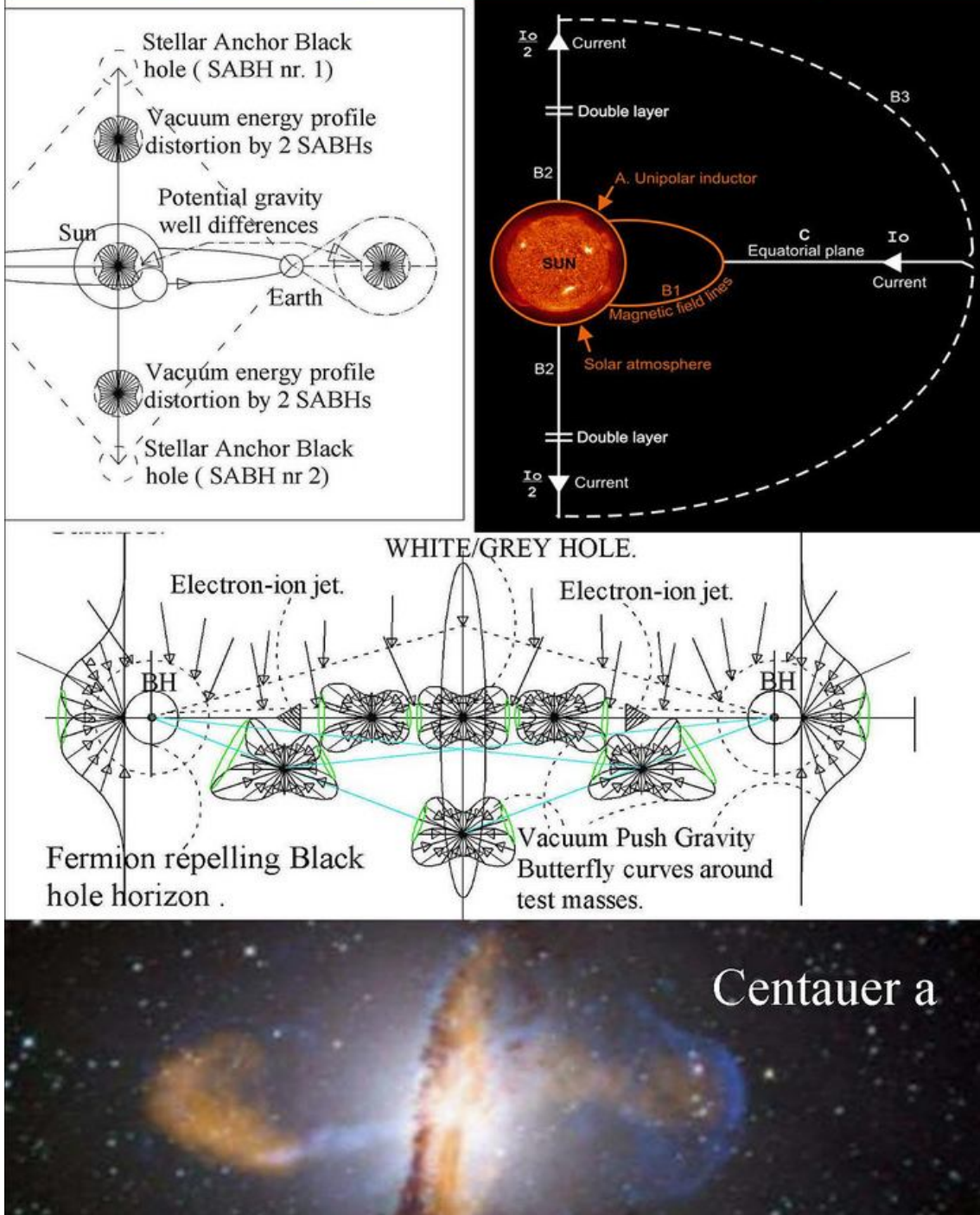


Figure: 3,4.

Examples of “new” black holes, accelerated by self produced H₂ gas tails leaving gas pillars behind and splitting into Herbig Haro Objects (like HH555) to form a star forming centre in between, according to Quantum FFF Theory.

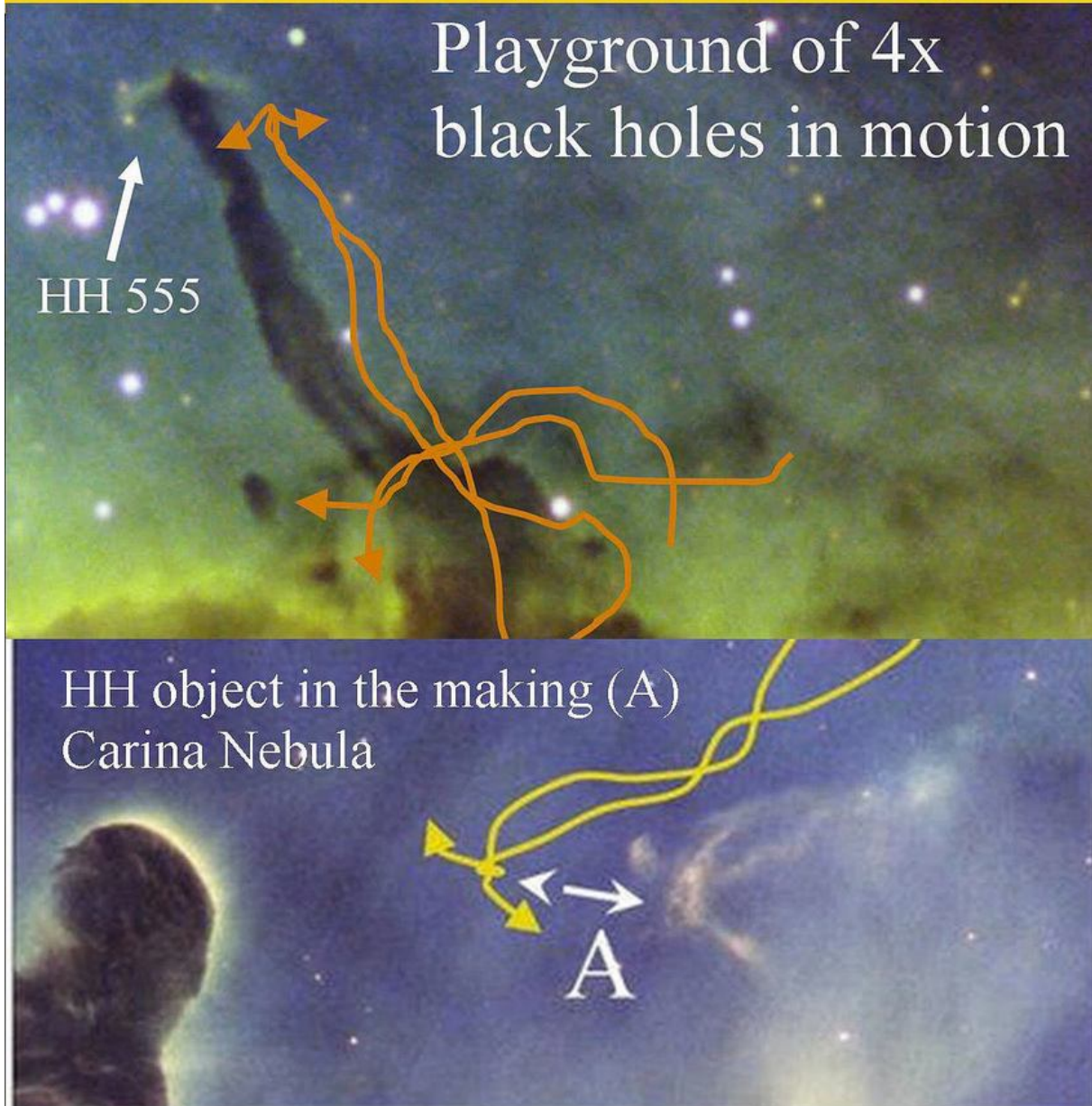
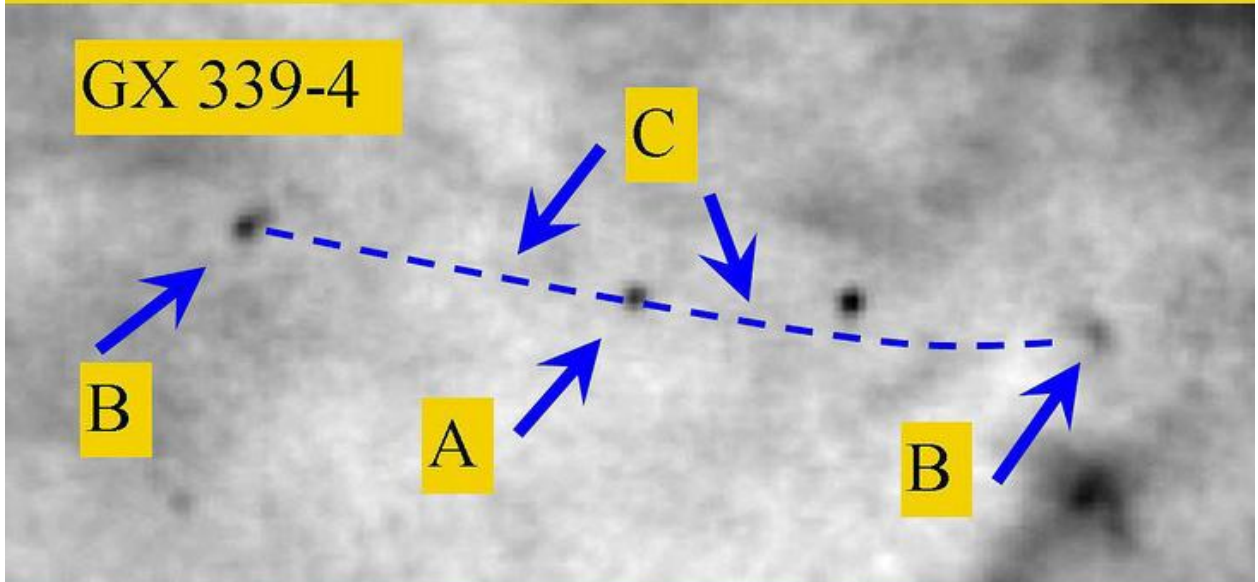


Figure: 3,5.

Black Hole candidates A or B are the origin of collimated jets C?



Could the theory about Black Hole Binaries (BHBs) as the origin of collimated jets be wrong? According to the new model called Quantum FFF Theory the answer is yes! At least TWO long distance separated BHs should be responsible for the negative charged plasma jets. Even Birkeland currents should have the same dual BH origin. Conclusion: mainstream Black hole theories should be altered, see below.

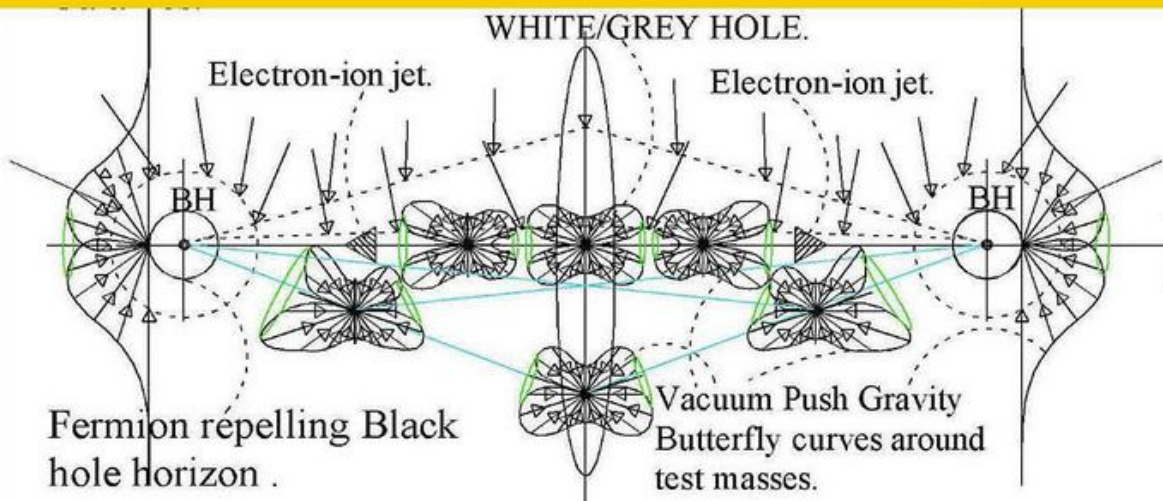
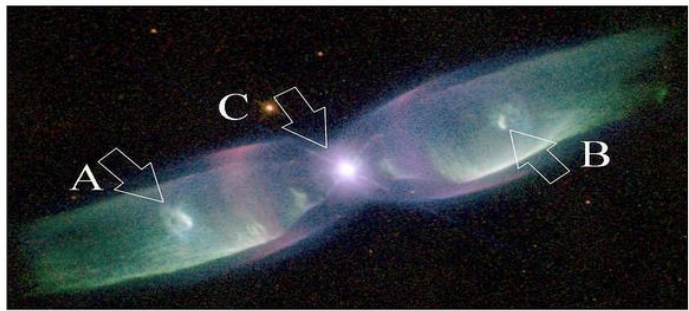
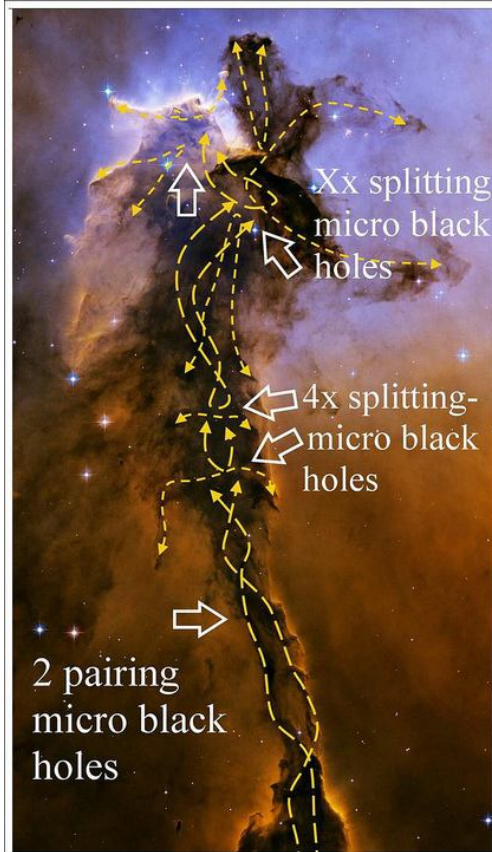
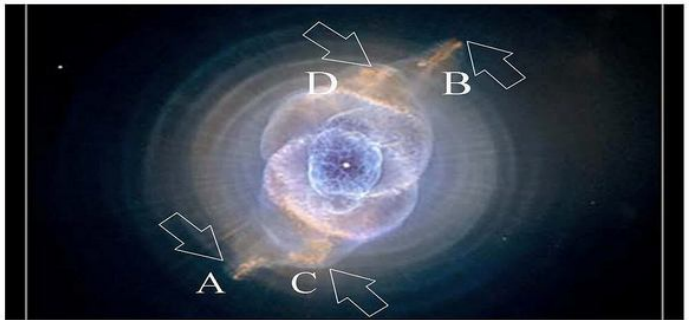


Figure: 3,6.

QUANTUM FUNCTION FOLLOWS FORM THEORY

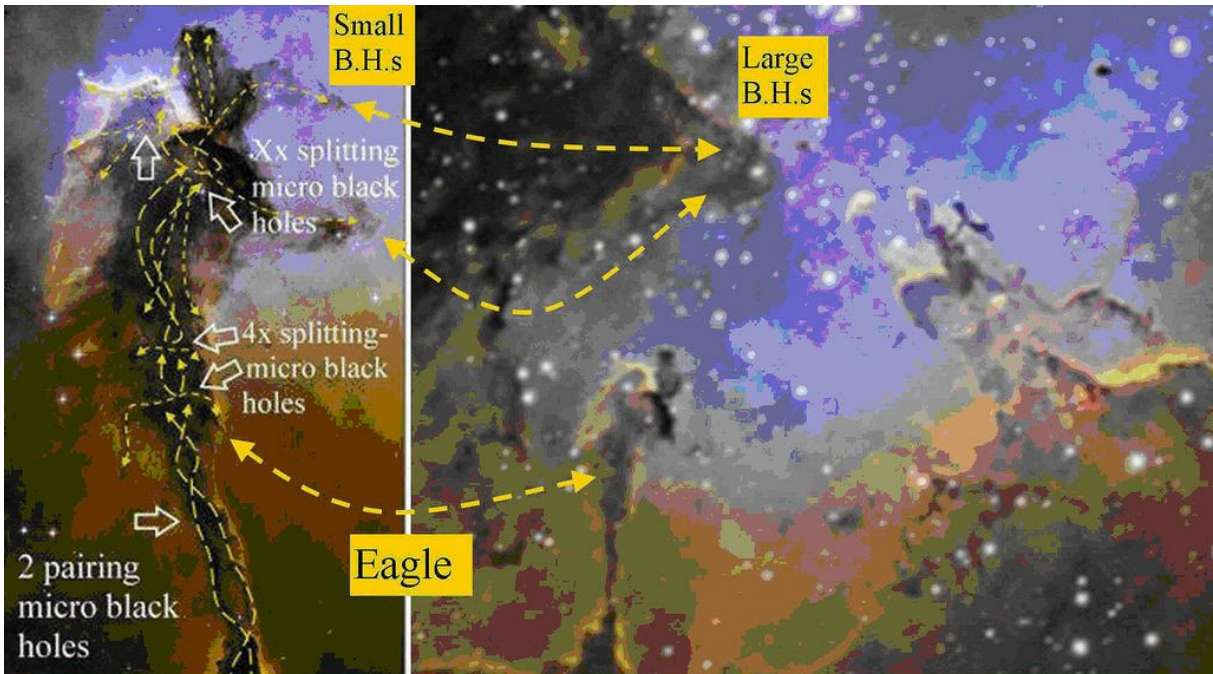


This Exploding Star /Planetary Nebula M2-9, is presenting only two Stellar Anchor black holes located at A and B. The star is located at C. The shape of this system is an example of 'double ring shaped dark matter/ sunspot gravity influence.



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

Figure: 3,7.



Eagle Nebula: Multiple ionized gas pillars created by splitting and pairing micro black holes (former "star spots") in motion. Compared to the Eagle B.H.s in motion, only one large sized gas pillar Black Hole in motion is observed. (see arrows). Conclusion: The Large Gas pillar based black hole seems to be the result of larger former Stellar Anchor B.H.s (SABHs), in motion. (Author Leo Vuyk).

Figure: 3,8.

QUANTUM FUNCTION FOLLOWS FORM THEORY

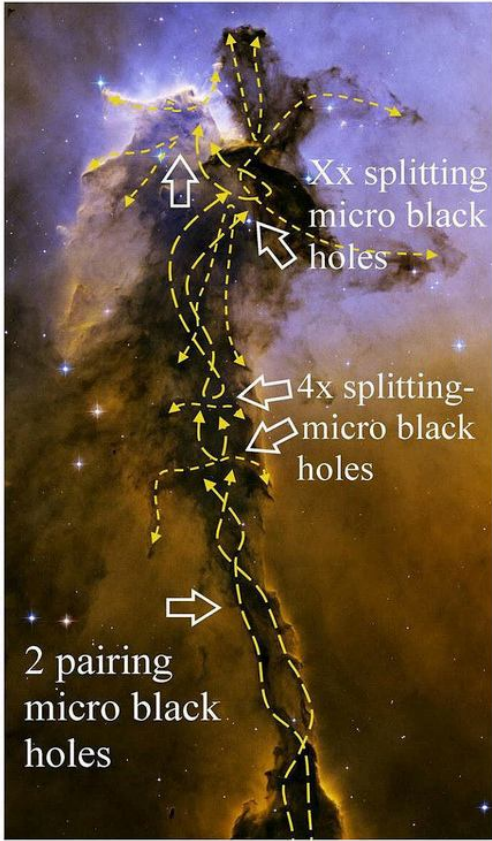
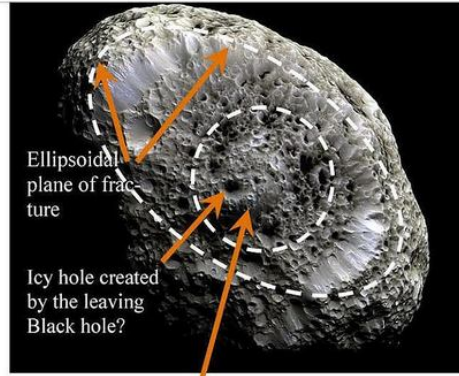
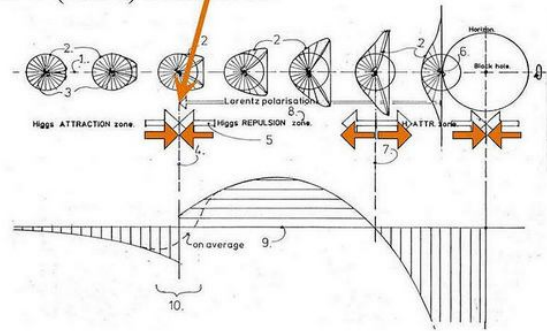


Figure: 3,9.



Hyperion's globular inner nucleus is a firm indication of entropy decrease at the boundary between Higgs repulsion and attraction zones (4) around NEW (micro) black holes.



Dark Matter Black Hole Sunspots expelled by NGC 5189 will create new Herbig Haro objects and new stellar systems. (Quantum FFF theory)

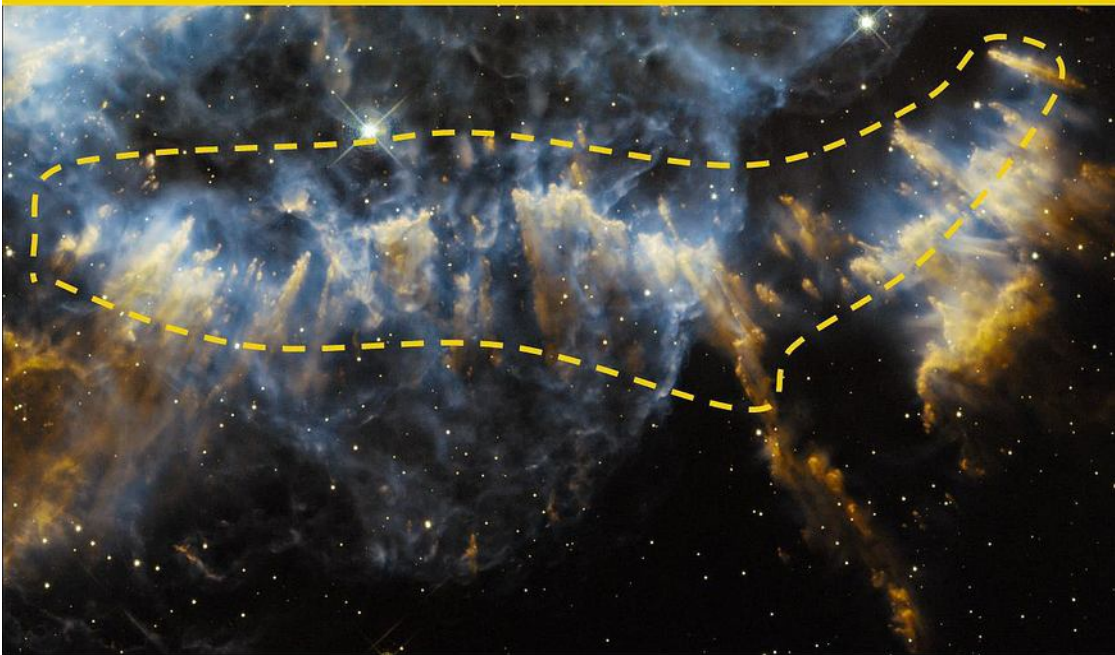
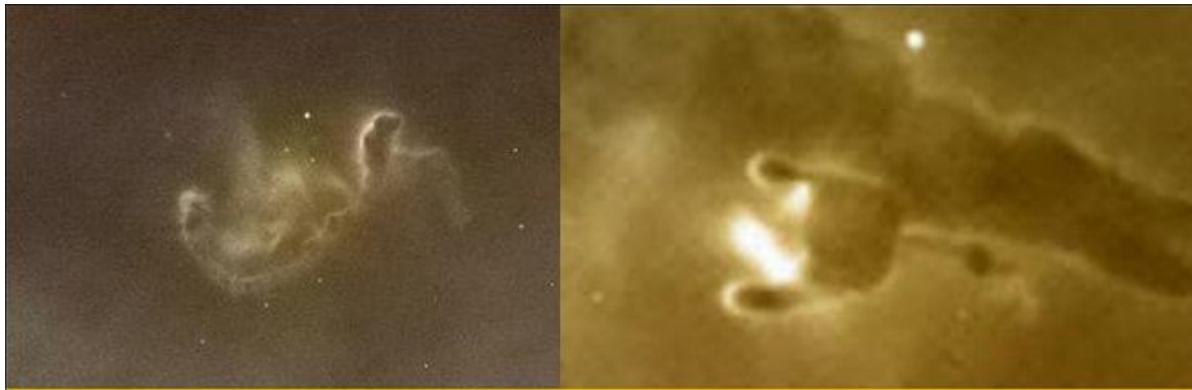


Figure: 3,10.



Pairing and splitting new paradigm Black holes (above) as vacuum dust gatherer and the origine of Gas pillars, HH objects and BOK globules according to Quantum-FFF Theory.



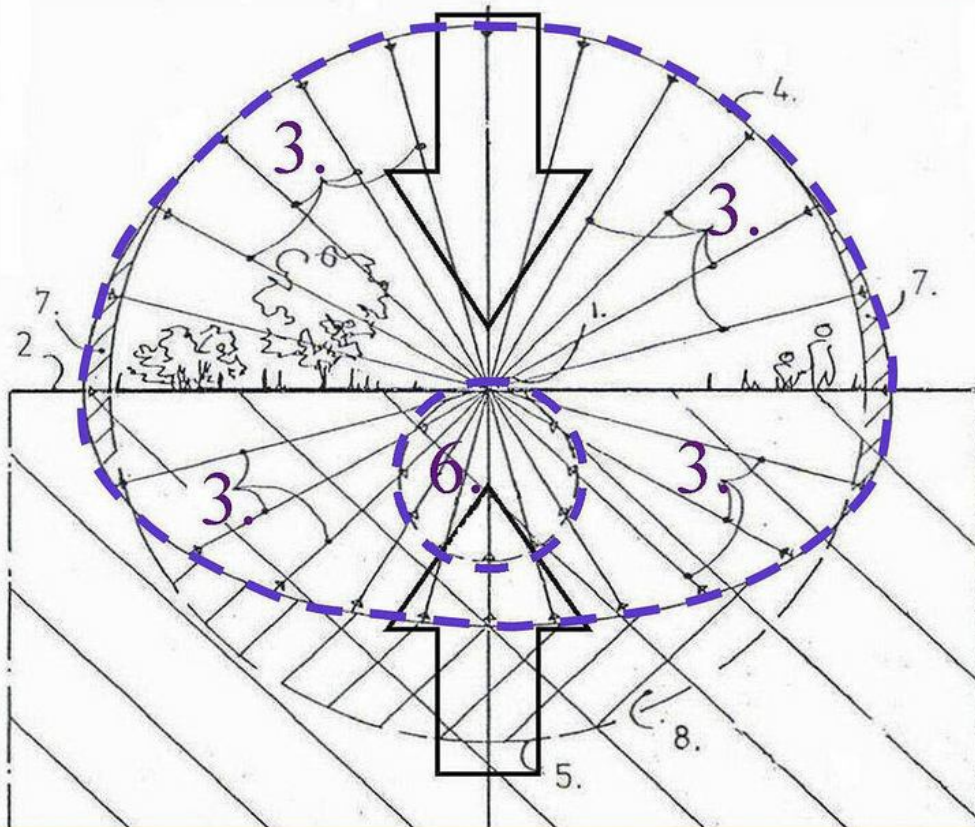
Bok globule with complex pairing and splitting black hole trajectories (Carina nebula)



Figure: 3,11.

Chapter 4. Quantum Gravity

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

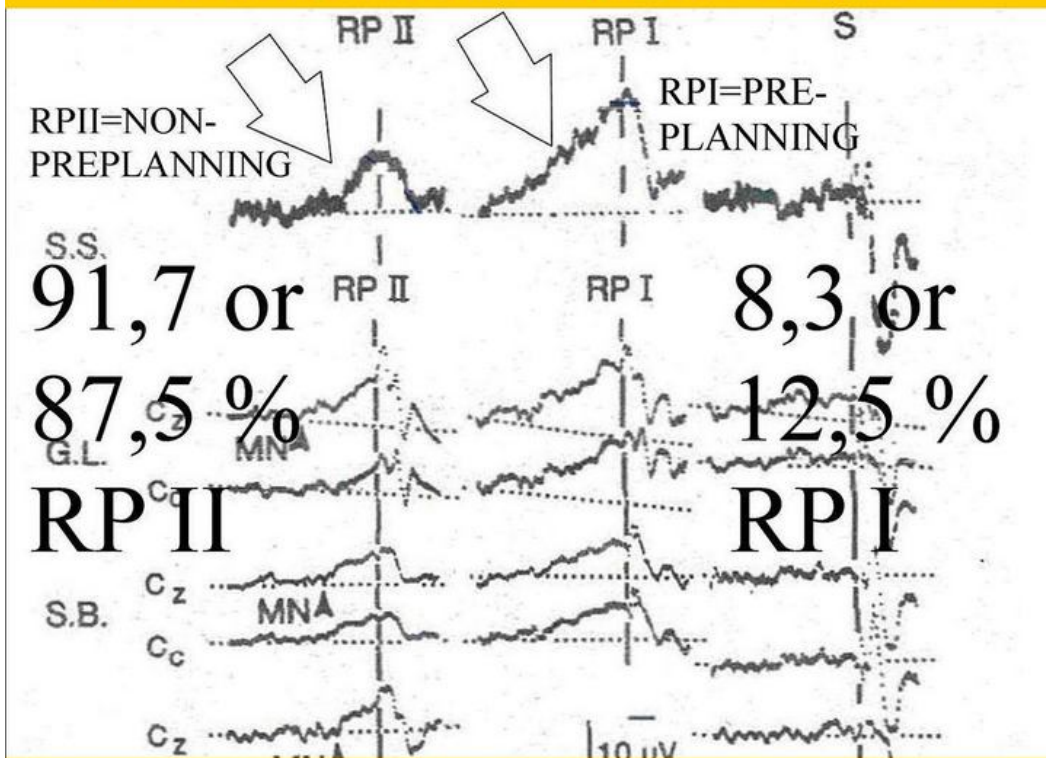


Cross section through the dual Higgs/ Graviton 3D vector field pressure distribution (or globular Hedgehog) on a point mass (1) located on earth's surface (2), according to Quantum FFF theory. $3+4=$ Higgs vector field. $6=$ Graviton vector field originated by the Higgs-graviton field transformation 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)

Figure: 4.1. Dual Quantum Graviton –Higgs push gravity

Chapter 5. Multiverse Free Will and B.Libet.

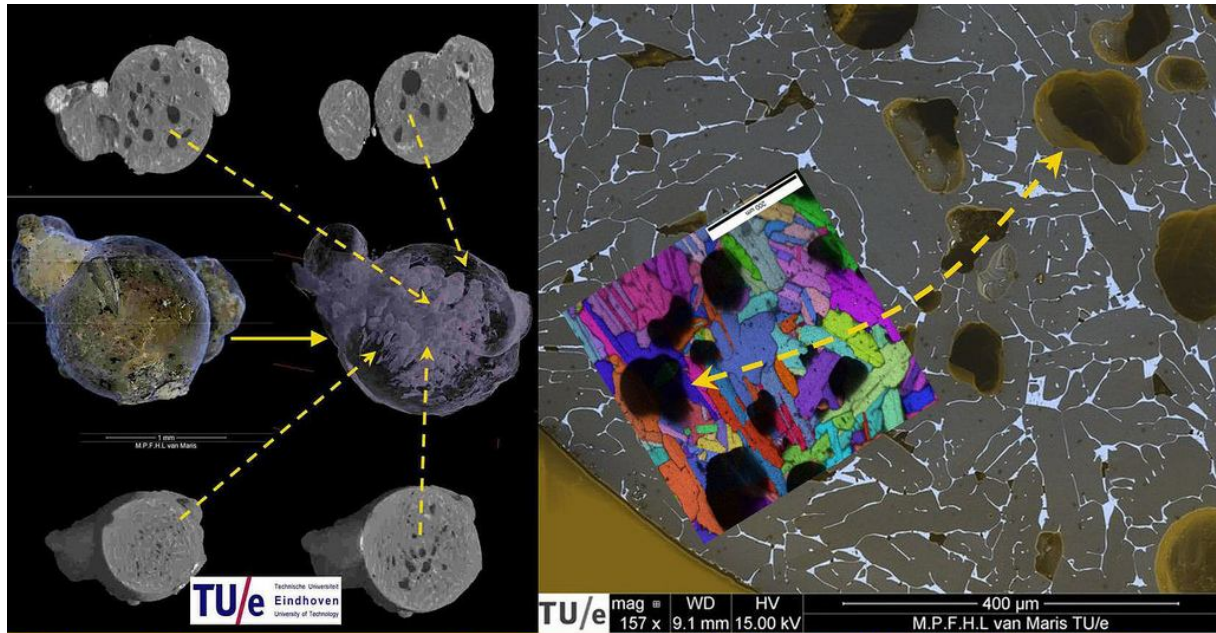
Benjamin Libet measured neural activities of test persons before and after pressing a button by “free will”. He measured differences between persons who reported pressing the button with some preplanning thoughts (RPI) and without preplanning thoughts (RP II). In Quantum FFF theory it is assumed that free will is based on quantum based wavefunction collapse by chance like dice do, spread over an even set of instant entangled (anti-)COPY multiverses, but triggered by only one Quantum jump in ONE universe.



As a consequence we should be able to use the B.Libet measurement method in more statistical detail to determine the number of entangled copy multiverses. If we measure 12.5 resp. 8.3 percent of pre-planners (RPI, then we may assume that we live inside an 8-resp 12 fold entangled multiverse.

Figuur 5,1.

Chapter 6. Experiments



Left: internal Silicon globule structure made by CT nano scan at the University of Eindhoven (NL) Internal hollow channels are observed. According to Quantum FFF theory these channels are postulated to be left behind by traveling and evaporating “Quantum Knots”. Right: Details of the internal structure of the silicon globule, with two different measurements: by SEM imaging (grey color) and EBSD imaging (colored inset) also by TU Eindhoven.

Figure: 6,1.



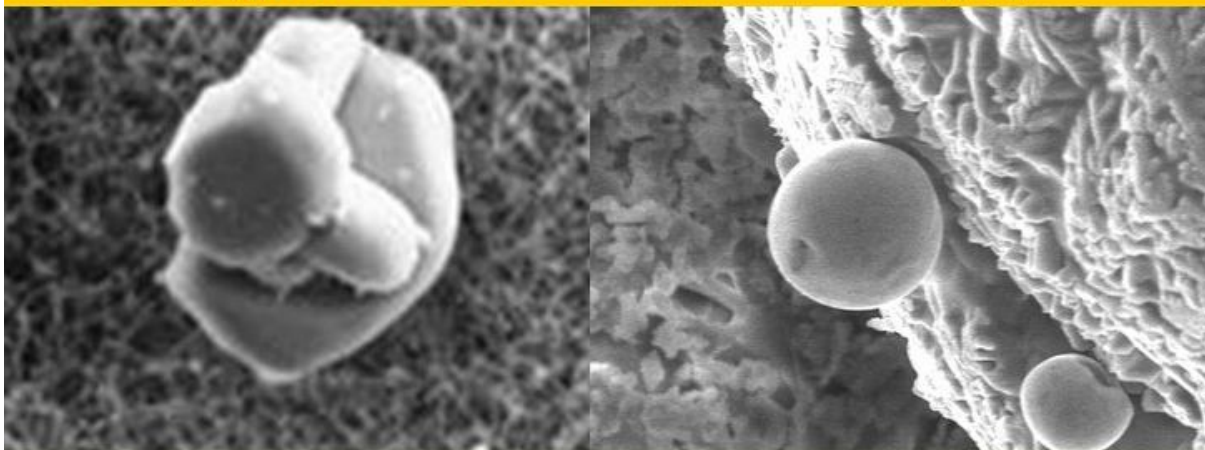
Vergelijking tussen externe- en interne holte structuur van een Silicium bolletje. Het lijkt alsof er een veelvoud aan lineair verplaatsende (licht spreidende en uitdovende) hittebronnen (Quantum knopen?) de oorzaak zijn van het Silicium Bol fenomeen en de bol-ervormingen.

Figure: 6,2.

Suggestion for the origin of UFO dust particles inside the LHC at CERN: particle based Quantum Knot heating according to Quantum FFF theory.



Comparison of UFO dust particles diam. 10 μm at CERN (left) inside ceramic tubes and on Silicon discharge globules in the lab. 100 μm (Right)



Below (in yellow) the Quantum Knot trajectory

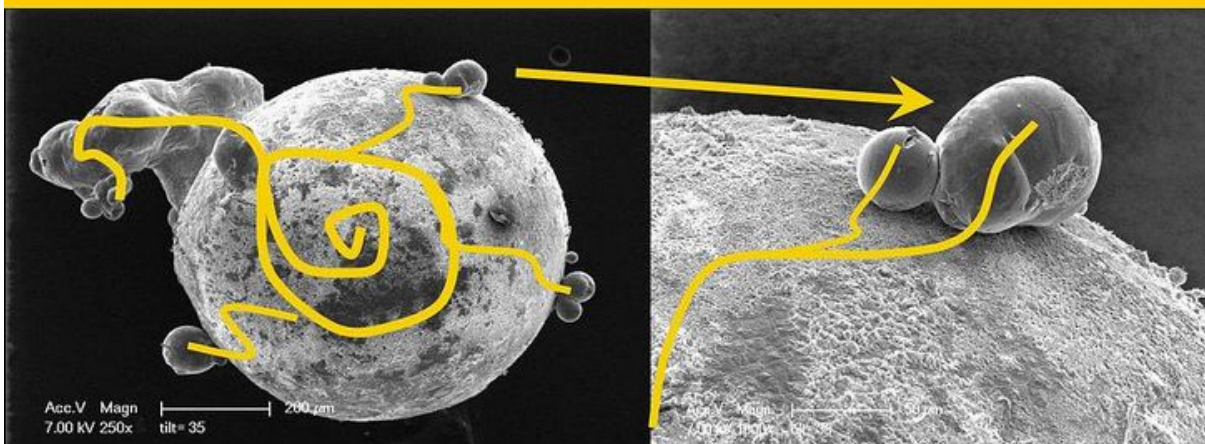
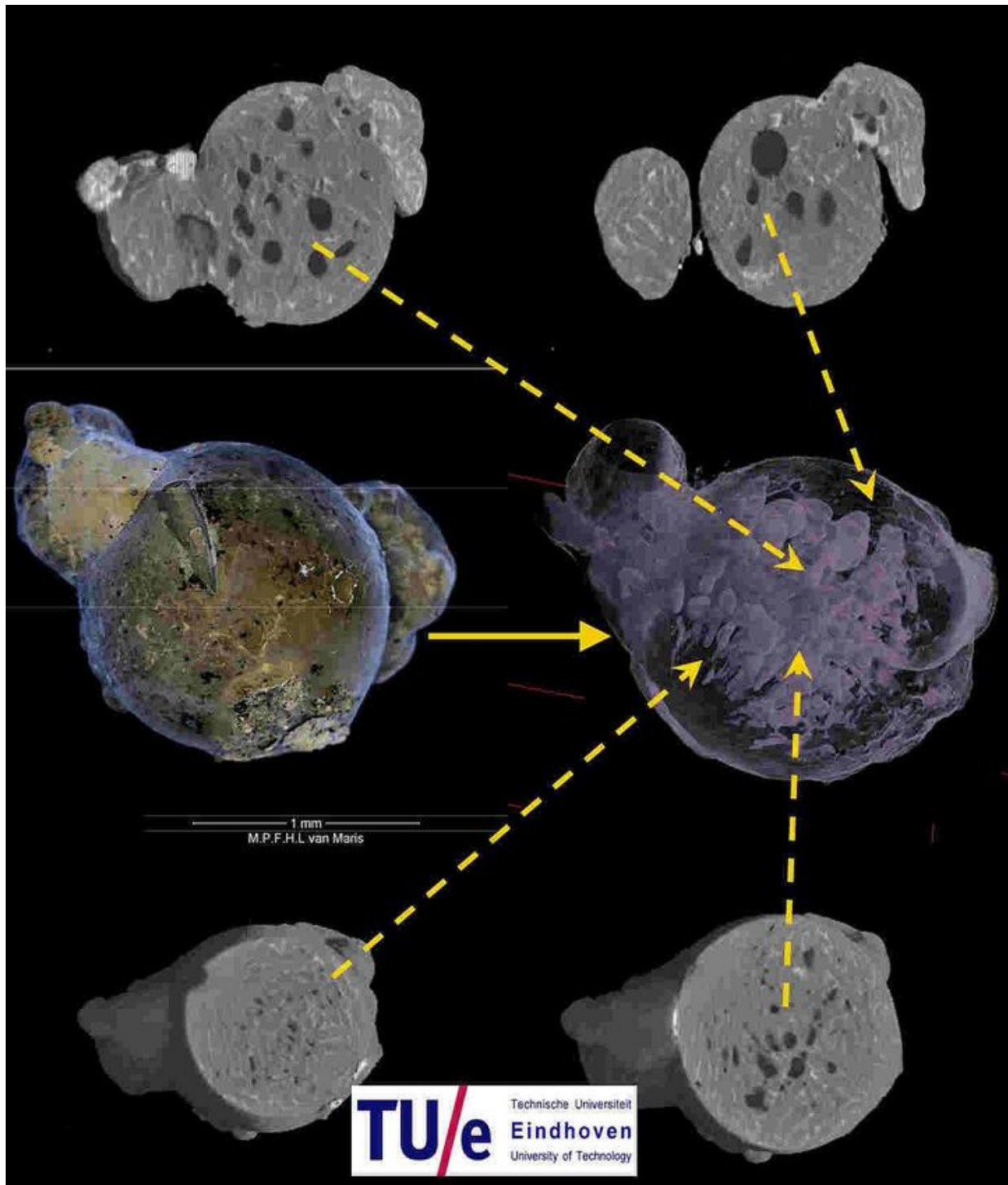


Figure: 6,3.



Internal Silicon globule structure made by 2D and 3D Nano-CT scan at the University of Eindhoven (NL). Internal linear cone-shaped hollow channels are observed, supposed to be created by migrating- and evaporating Quantum Knots (according to Quantum Function Follows Form Theory, author: Leo Vuyk).

Figure: 6,4.

QUANTUM FUNCTION FOLLOWS FORM THEORY

Why Silicon? Silicon structure (A) seems to be related to the structure of Black Hole Quantum Knots (B) proposed by the New Black Hole paradigm of Quantum FFF Theory. Basic Black Hole Quantum Knots are assumed to be formed by 3,4 or more real photon particles (B+C)

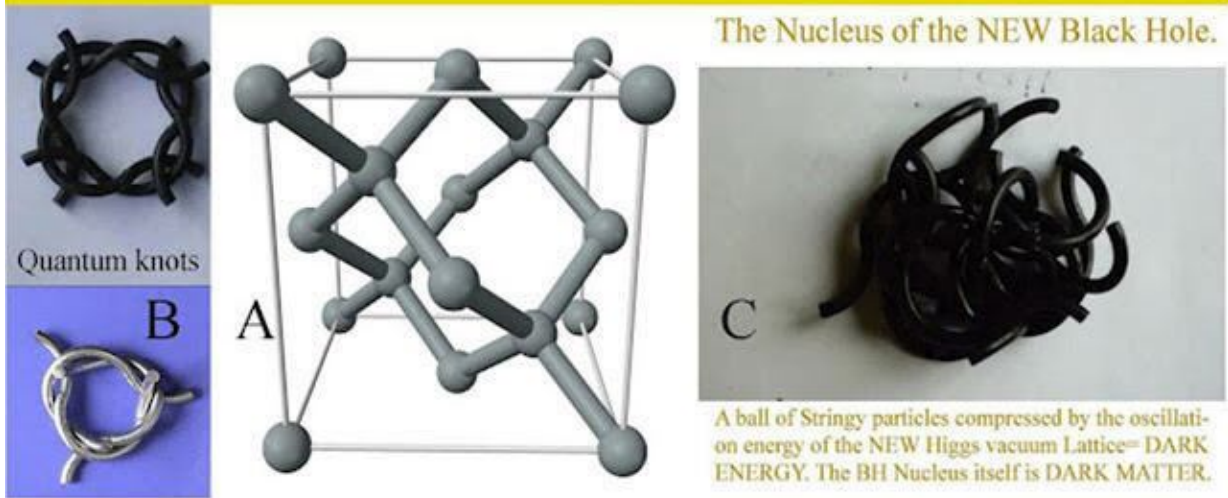


Figure: 6,5.

Proposal for FREE ENERGY or micro BIRKELAND CURRENTS in the lab, between TWO NEGATIVE CHARGED Plasma Balls and a third VACUUM induced POSITIVE CHARGED PLASMA BALL.(PB3)

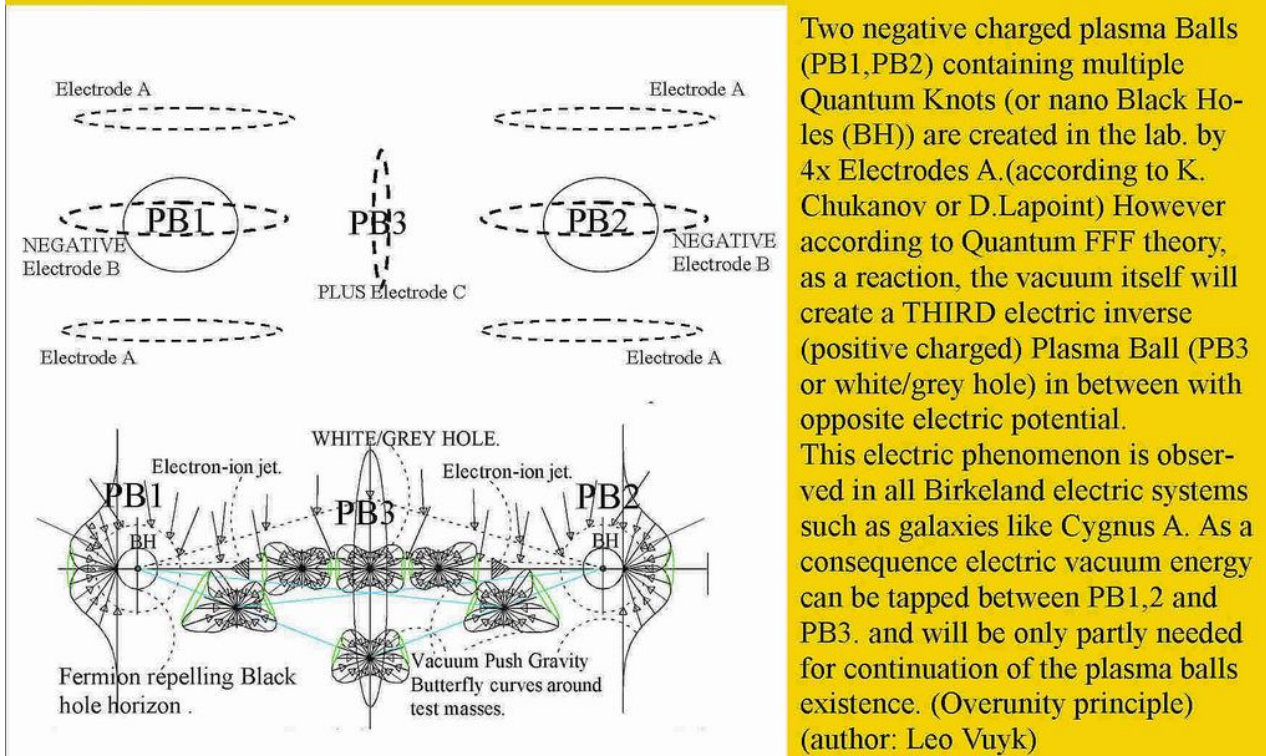
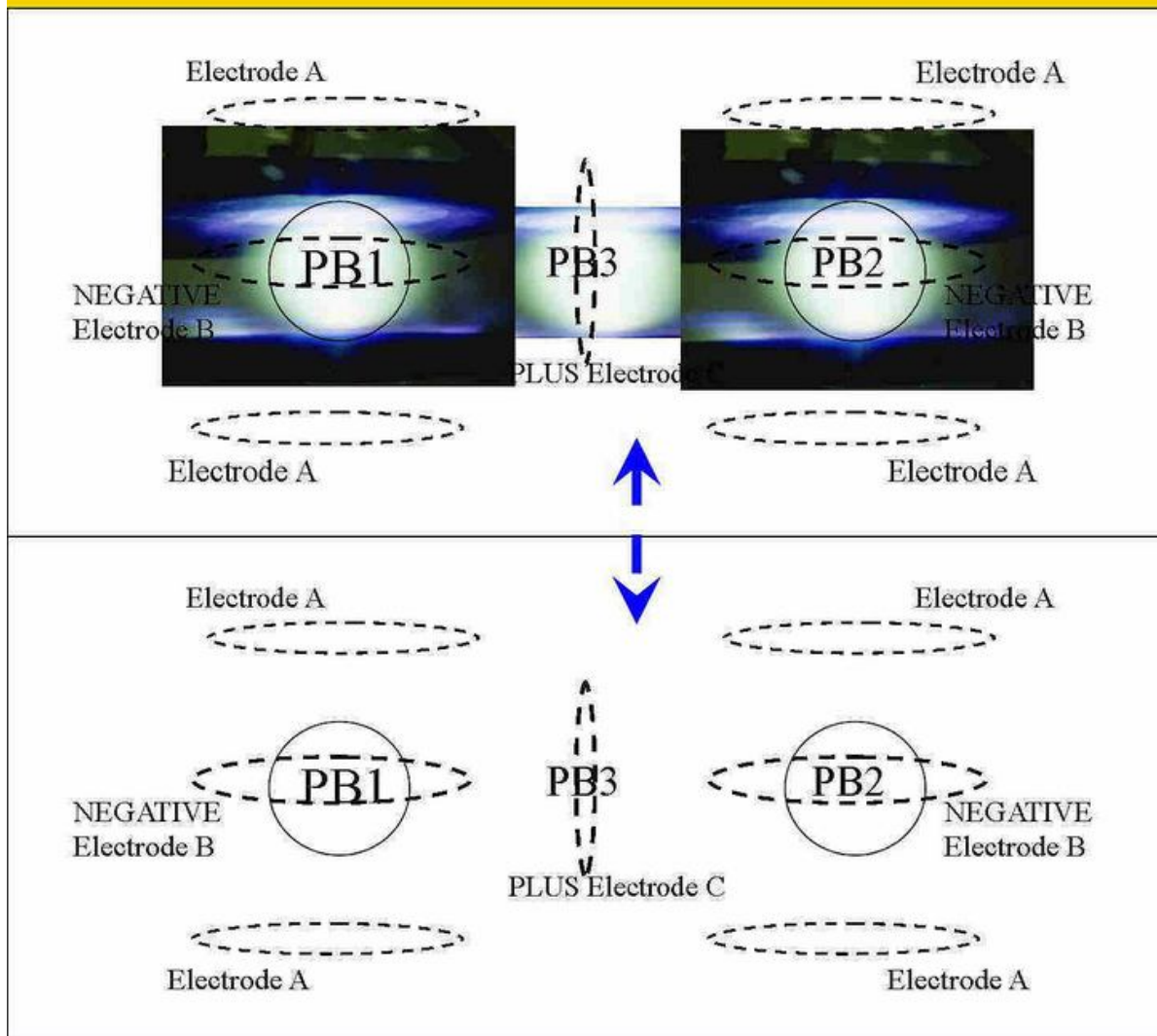


Figure: 6,6.

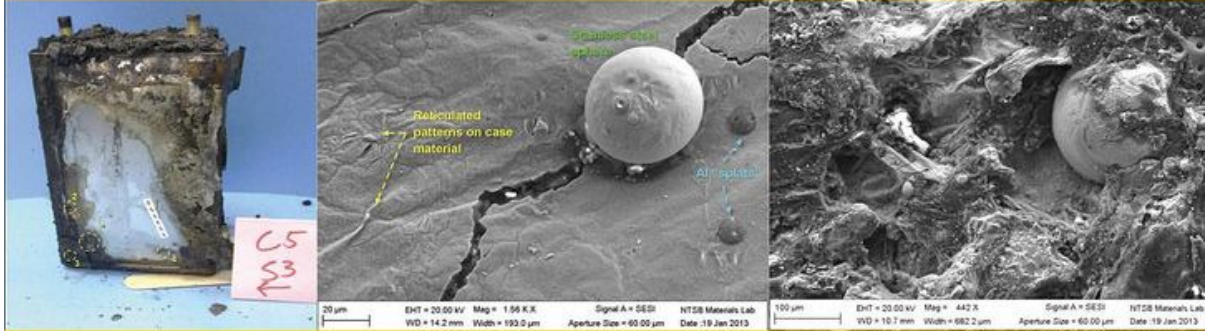
Principle of Electric MICRO BIRKELAND CURRENT production (Overunity Free energy principle) with TWO NEGATIVE CHARGED Plasma Balls and a third SELF GENERATED POSITIVE CHARGED PLASMA BALL IN BETWEEN.



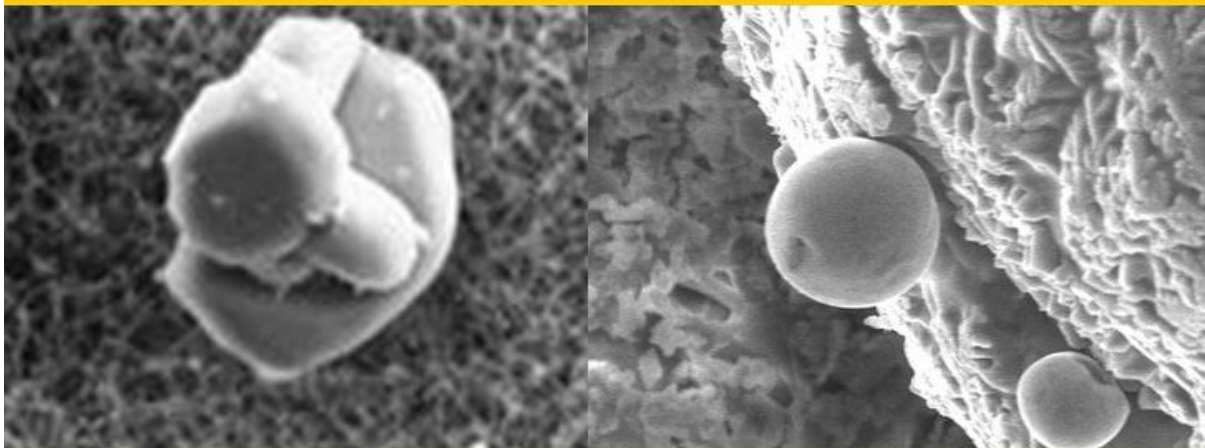
Two negative charged plasma Balls (PB1,PB2) are created by Radio Frequency currents between 4x Electrodes (A). However according to Quantum FFF theory, the plasma balls will generate a THIRD electric inverse (positive charged) Plasma Ball (PB3) in between creating an electric potential as is observed in space as "Birkeland Currents". As a consequence electric vacuum energy can be tapped between PB1,2 and PB3. (electrodes B and C) and will be only partly needed for continuation of the plasma ball existence.. (proposal according to Quantum FFF Theory, by Leo Vuyk)

Figure: 6,7.

Suggestion for the origin of external stainless steel globules found on the Boeing 787 Dreamliner APU battery damage jan.7.2013 at Boston airport.(below)



Comparison of UFO dust particles diam. 10 μm at CERN (left) inside ceramic tubes and on Silicon discharge globules in the lab. 100 μm (Right, below)



Below (in yellow) the Quantum Knot trajectory

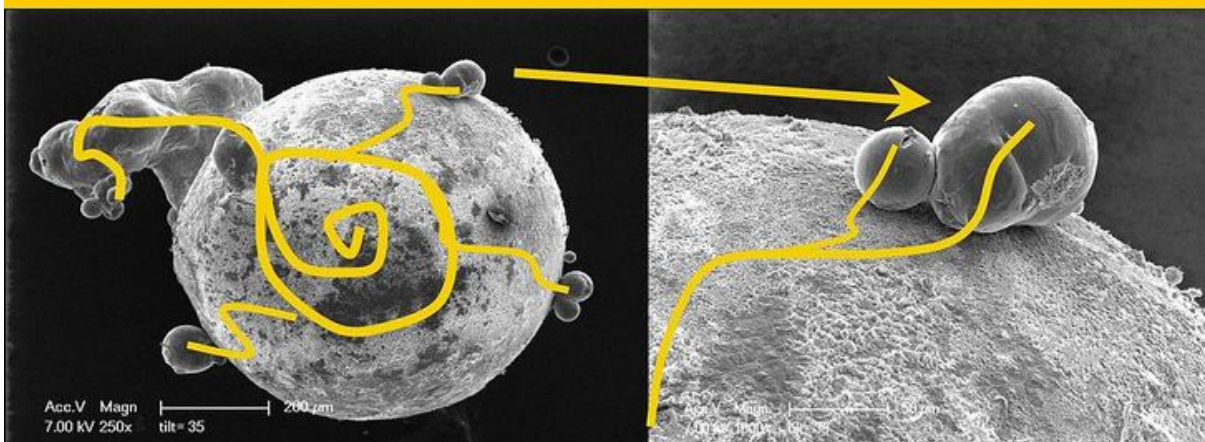
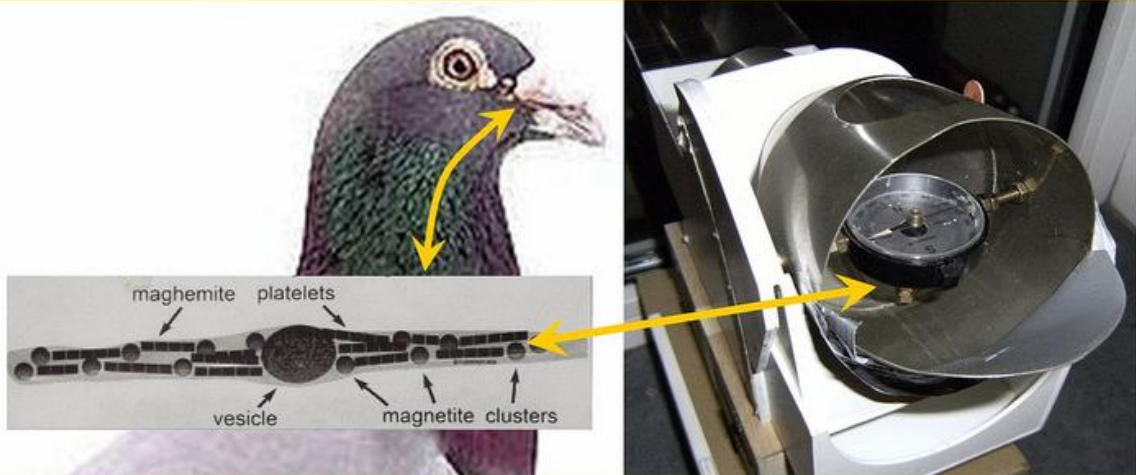


Figure: 6,8. Possible Quantum Knot hazards from EM interference in the CERN LHC and Lithium Ion batteries: the creation of micro dark matter black holes.

Magneto monopole boundary shape telescope with magnetic fingerprint positioning.



Pigeons like other birds, Butterflies and Turtles seem to be able to navigate solely on the Earth magnetic field. According to **Quantum FFF theory**, magnetic fields are just like electric fields based on monopole photonic information vector fields.

There are photon vector fields for electric negative and positive charge and for magnetic North and South potential.

(See second image of vector fields around the earth)

The boundary telescope (depicted above) is able to determine a so called fingerprint in the form of the **half circle boundary shape** of the two magnetic vector fields (North and South) at each location on earth. (see below).

The specific curvature of the **half circle shaped boundary line (B)** is the fingerprint observed to be unique for each location on earth..

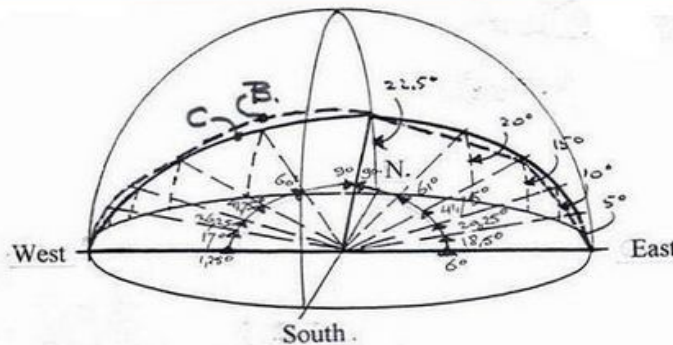
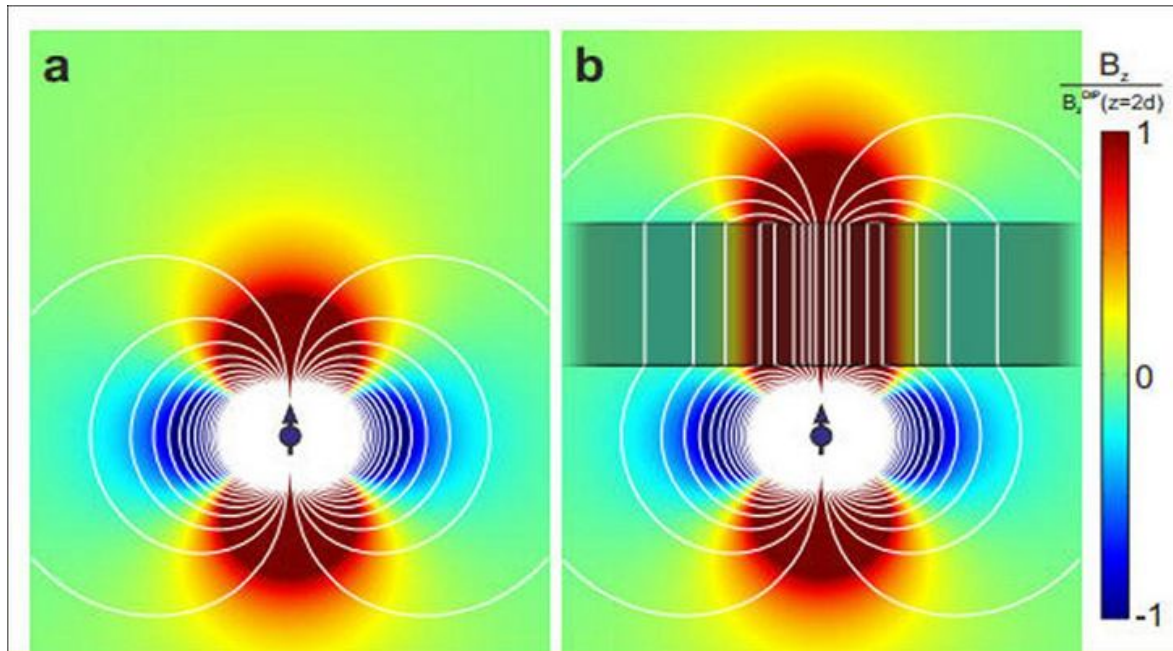


Figure: 6,9.



First evidence of magnetic monopole vector field character of magnetic fields according to Quantum FFF theory: (a and b) “Magnetic hose: Routing and Long-distance Transportation of Magnetic Fields”. Carles Navau, et al. For magnetic Vector fields see below. And: http://vixra.org/author/leo_vuyk

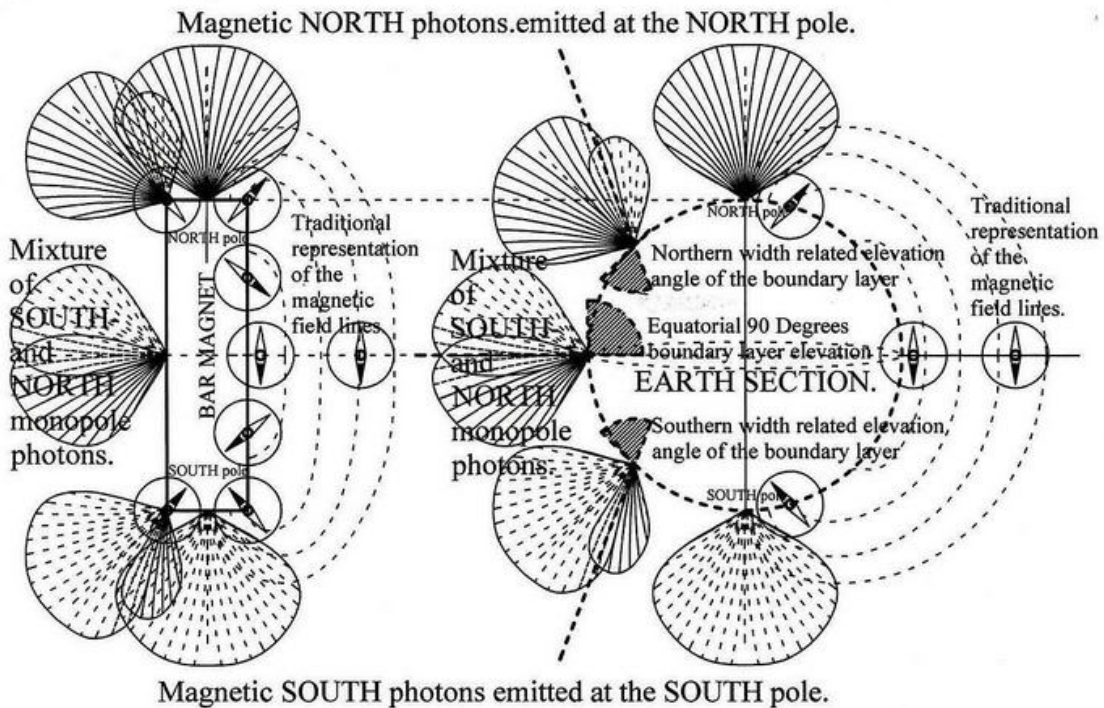
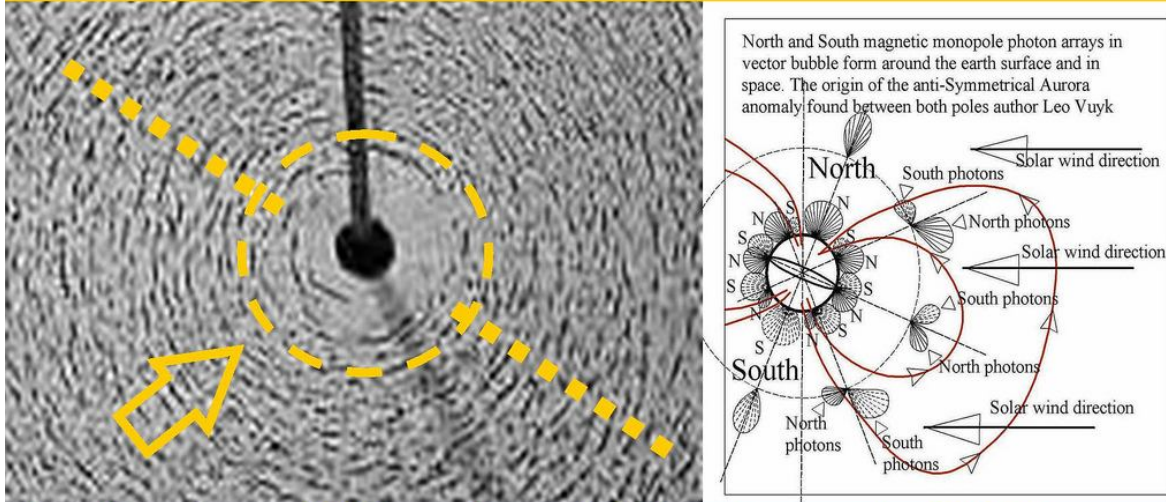


Figure: 6,10.

Magnetic field variations by the “Curl” of Magnetic Monopole (N and South) Radiation around a wire and the earth.

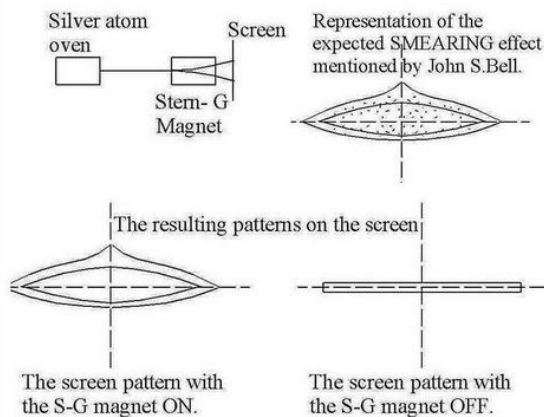


According to Quantum FFF theory, all magnetic fields can be presented as CURLED Magnetic Monopole Photon Vector Arrays. As a result, the magnetic field intensity around a wire and the a magnetic dipole is (away from linear polar positions) NOT dropping off with the cube or even the square of the distance from the source!! (See images). Also: direct around the current in a wire- equipped with iron powder on paper- the mag-

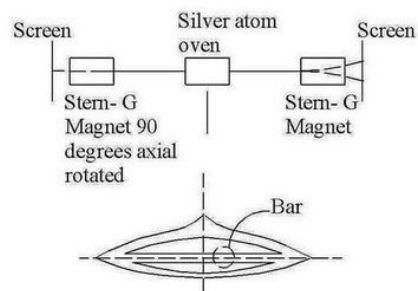
Figure: 6,11.

Alternative Stern Gerlach magnet experiment to measure possible instant entanglement effects between vaporized silver atoms outside and inside the oven. (by L. Vuyk) This could solve Johns Bells problems with the traditional experiment, described as: no smearing of impacts on the screen between the clear up and down pattern)

The traditional Stern Gerlach experiment.



The new proposed experiment, with two S-G magnets always ON



If the oven sends the silver atoms (by shutters) with a fast frequency alternating to the two magnets, then the resulting impact pattern on the screen, will show an additional bar in the middle. Even no smearing of impacts in between is supposed to show up, because of the absence of intermediate polarised atoms between 0 and 90 deg.

Figure: 6,12.

residuals. Preceding inferior conjunction the residuals are negative whereas following they become positive. This behavior is readily explained by Venus being ahead in its orbit relative to earth, since, in that case, it would be closer to earth than predicted before conjunction and further away afterwards in agreement with Fig. 3-4. Quantitatively, too, the amount seems to be in accord with the earlier determinations. Remarkably, although the residuals shown are enormous relative to the errors associated with some of the more accurate measurements, the discrepancy is caused almost entirely by an error of only 0.5 of heliocentric arc.

The fact that the residuals vanish near conjunction supports the trial values used for the AU and for the radius of Venus. Another interesting feature of the residuals shown in Fig. 3-4 is the appearance of short-period quasi-regular oscil-

Earth-Venus Lightspeed (radar) anomalies (residuals) by I.I.Shapiro in Radar Astronomy 1964. Arrows A are pointing at the overlapping process of mutual LASOF areas of Venus and Earth. According to Quantum-FFF theory.

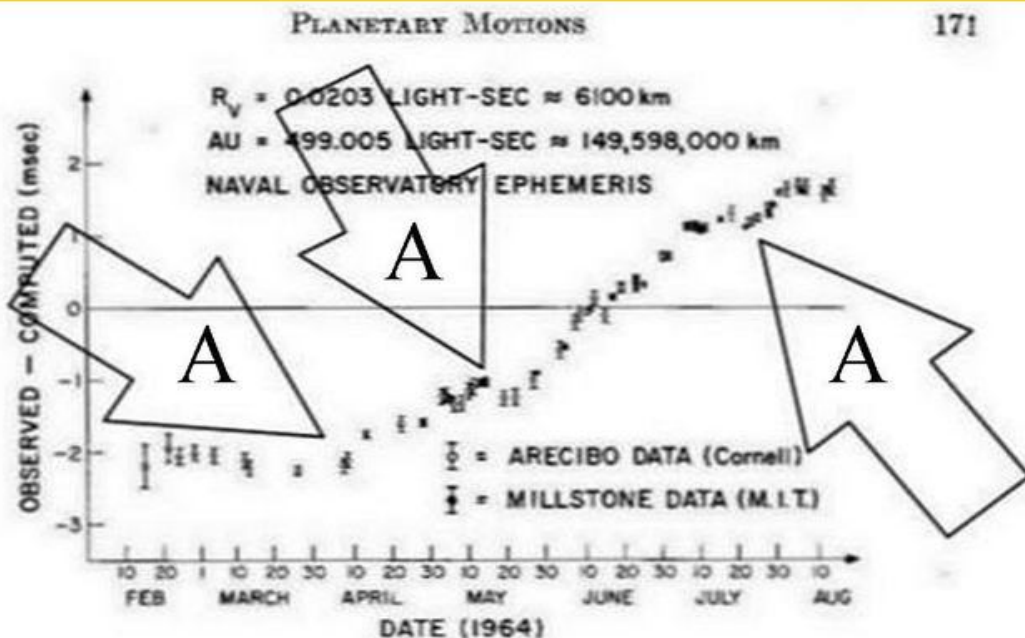


Fig. 5-4. Earth-Venus time-delay residuals resulting from comparison of radar observations with delays computed from U.S. Naval Observatory ephemeris, based on Fourier Series.

Figur 6,13.

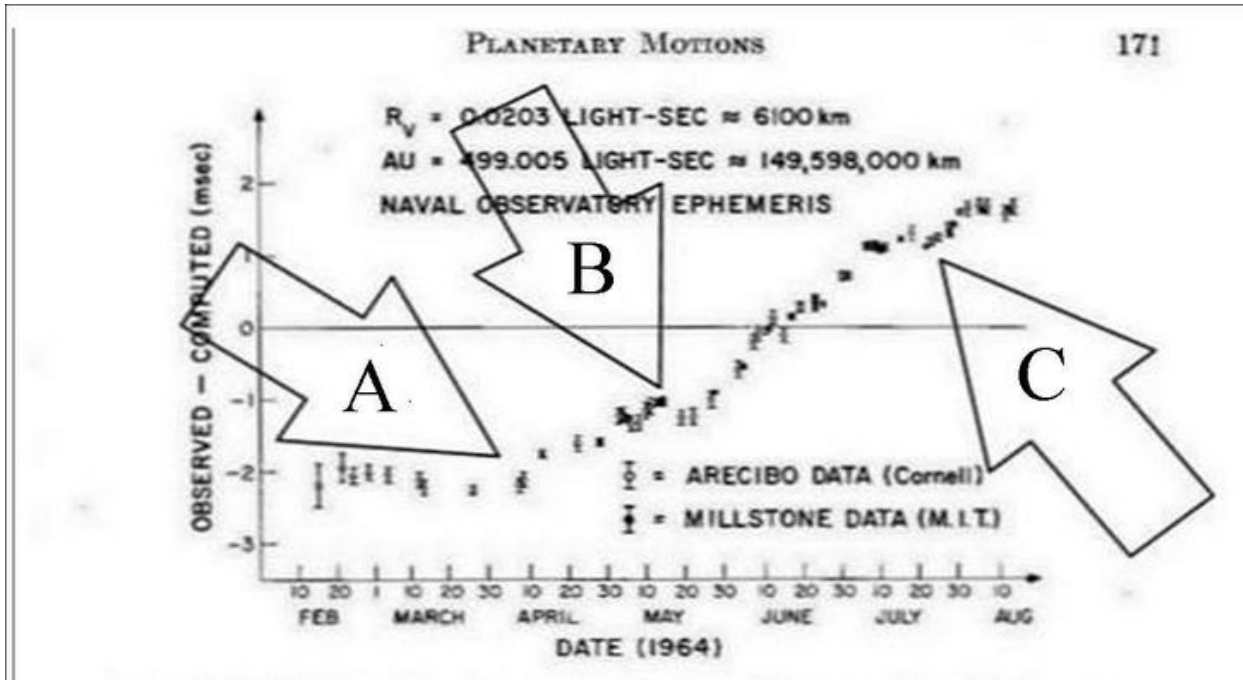
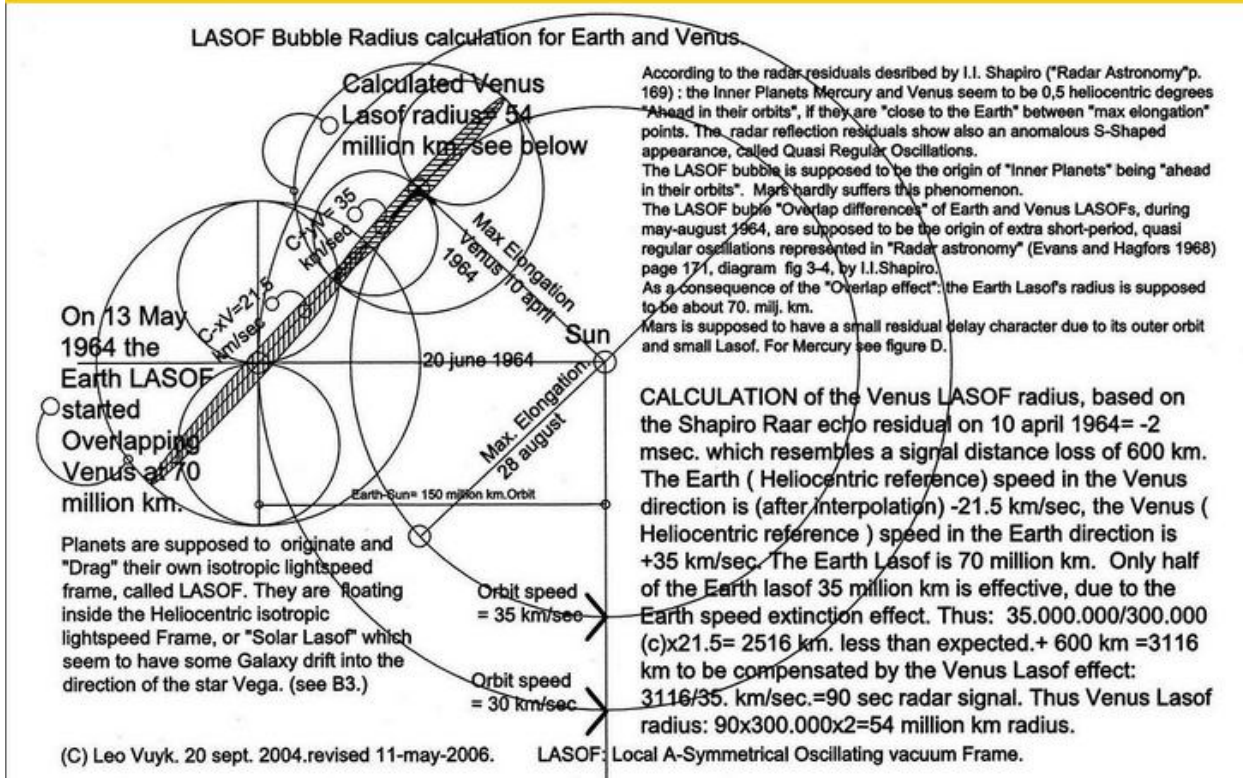


Fig. 3-4. Earth-Venus time-delay residuals resulting from comparison of radar observa-

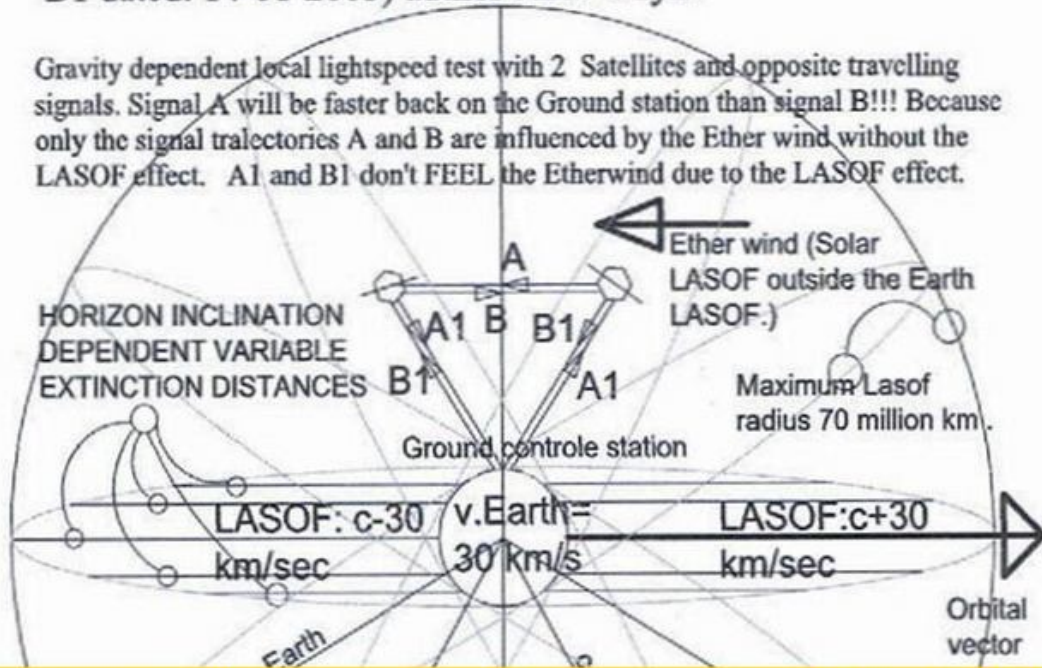
Bumps in time delay are related to moments of overlap of both LASOFs (Venus and Earth): 10 April (A): start firm overlap, 10 May (B): start Earth LASOF overlap of planet Venus, 10 July (C): start exit overlap of planet Venus



Figuur 6,14.

GRAVITY DIRECTION DEPENDENT LIGHT SPEED FRAME DRAGGING by LASOF (Local Anti-Symmetrical Oscillating vacuum Frame). SIGAR shaped LASOF Bubble structure of the Earth with proposals for a future two way TRIANGLE satellite signal interference experiment. date: 9-11-2006 (this is an enlargement of figure B1 dated: 14-01-2005) author : Leo Vuyk.

Gravity dependent local lightspeed test with 2 Satellites and opposite travelling signals. Signal A will be faster back on the Ground station than signal B!!! Because only the signal traectories A and B are influenced by the Ether wind without the LASOF effect. A1 and B1 don't FEEL the Etherwind due to the LASOF effect.



Two experiments to show mass related light-speed differnrces (Quantum FFF theory)

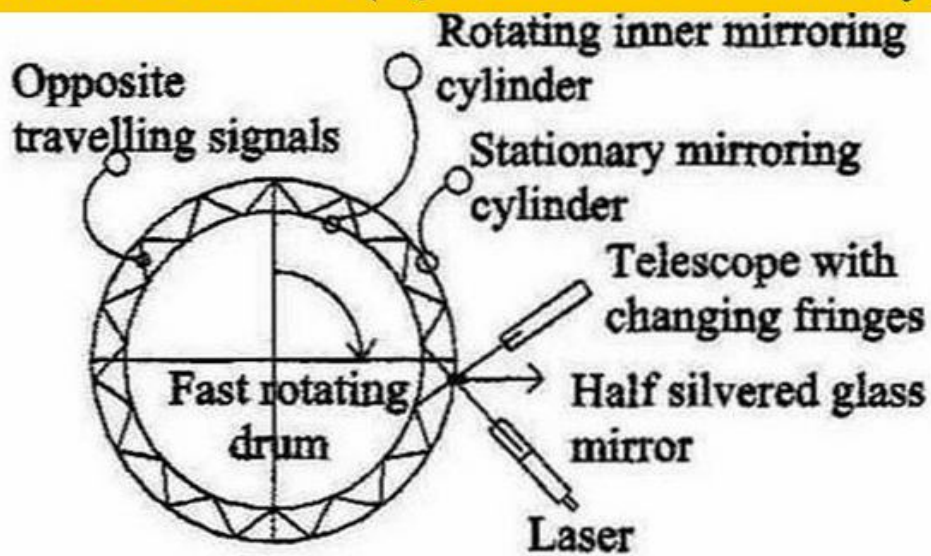


Figure: 6,15.

Mass related lightspeed differences by LASOF (Local A-Symmetric Oscillating Vacuum Frame) effects are origin of Gravity direction dependant lightspeed Frame dragging. (Quantum FFF theory)

The Babcock and Bergman test done in 1964, resulted in a positive lightspeed drag factor of only 0,7%, which could be translated in a drag extinction effect over less than 1 cm distance after signal passage through the fast moving glass window. See: Journal of the Optical Society of America Vol. 54, nr 2 page 147-151 Febr. 1964. Determination of the Constancy of the speed of Light by Babcock and Bergman.

If the Quantum Mechanical Vacuum structure is influenced over maximal 1 cm. by matter, as the Experiment done by Babcock and Bergman seems to indicate, then a fast moving mirror cylinder inside a stationary cylinder should influence the interference pattern produced inside the telescope much more, than the Babcock and Bergman's experiment did. We should get better results, if the distance between the inner and outer mirror cylinder is minimized and the number of lightpath reflections is maximized.

Postulate:
The Test results of Babcock and Bergman (J.O.S.A 1964) and the Radar echo delay residuals for Venus and Mercury, found by Irwin I. Shapiro in 1968 (see figures C and D) are reason to postulate in contrast with the second postulate of Einstein that,
——The speed of light in vacuum is dependent on the emitting body motion, only for an extinction distance, which is limited by the state of motion, mass and density (surface gravity) of the body—— (see: fig.B1, C and D)

Explanation:
1: The Planetary distance of extinction is variable by the horizon inclination angle of the signal and limited by a complex, direction dependent multiple elliptical Local Vacuum Bubble, with a fixed maximum radius, located around- and dragged by the Planet. (see fig. B1, with the second test possibility by means of two satellites) The Radar Echo delay residuals for Venus and Mercury show by simple interpolation, that the maximum extinction for the Earth, Venus and Mercury should be respectively 70-, 54-, and 21 million kilometres. (see Poster figures: C and D)
2: The Planetary lightspeed extinction is a smooth direction dependent adaptation of the lightspeed into the isotropic light speed Vacuum Bubble or "Local Ether" around the Sun, which is expected to have a light speed isotropy system inside the Galaxy, different from planets.
3: There is no light speed adaptation, of signals travelling from Solar Light speed frame into Planetary Vacuum Bubble Frames.
The "Shapiro" Radar echo residuals for eclipsing Mercury and Venus, should have been different. ("Planetary Radar Astronomy": IEEE Spectrum, March 1968, p 70-79.)
4: The light speed experiment of Babcock and Bergman (J.O.S.A. 54,2, febr.1964) suggests, that the same system is active for small fast moving non-astronomical objects inside the Planetary Vacuum Bubble.
5: The signal speed accuracy of GPS satellites measured by Groundstations show, that the Solar Light Speed Frame has no influence on the speed of signals emitted by GPS satellites if the signals are travelling even with a minimal elevation degree with the horizon of the Groundstation.
6: The small effects measured in the well-known Michelson and Morley ether drift experiments on mountain summits, (made by Dayton Miller, in 1926) are supposed to be originated by the decreased -elliptical induced- planetary extinction distances, present at higher altitudes in horizontal directions. See: "Horizon inclination dependent variable extinction distances" on Poster figure B1.

Figure: 6,16.

February 1964

CONSTANCY OF THE SPEED OF LIGHT

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TABLE I. Results of the measurement of four sets of interference fringe photographs. The relativistic prediction for the fringe shift between clockwise and counterclockwise rotating conditions is about 0.0036 fringe, and the fringe shift between initial and final stationary conditions should ideally be zero. All fringe shifts are in fractions of a fringe. The estimated standard deviation of each shift was 0.0055 fringe.

Photograph set	Observer	Fringe shift between:		Effective speed (rps)
		Initial and final stationary conditions	Clockwise and counterclockwise rotating conditions	
A	1	-0.0141	+0.0041	88
A	2	-0.0141	+0.0020	88
A	3	-0.0162	+0.0035	88
B	1	+0.0091	+0.0052	88
C	1	-0.0032	+0.0054	90
D	1	-0.0020	+0.0036	93

shift of 0.0120 ± 0.0065 fringe was found. As is seen below, one probably cannot regard all of this shift as a systematic effect, but its smallness shows that the ideal self-compensating features of the system were nearly realized. Shifts found when the arm was moved by $1^{\circ}0'$ and $0^{\circ}6'$ were 0.0029 and 0.0016 fringe, respectively, both less than the estimated standard deviation of the shift.

The values of the fringe shifts Δf are given in Table I for Sets A, B, C, and D. A positive value in the column for rotating conditions indicates a shift in the direction predicted by both the theory of relativity and that of simple addition of velocities. It is seen that the shifts found between the two rotating conditions scatter very little, and have a mean of about $+0.004$ fringe. On the other hand, the shifts between the first and last (stationary arm) photographs of a set are generally larger, and scatter much more. The reasons for this are not fully understood. In view of this uncertainty it is only claimed here that the shift between rotating conditions was less than 0.02 fringe, a value to be compared with the shift of 2.9 fringes predicted on the assumption of addition of velocities. It is also concluded that the results are, to within their own precision, in agreement with the predictions of the theory of relativity.

ACKNOWLEDGMENTS

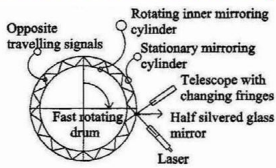
Dr. W. R. Haseltine made many useful suggestions. We are grateful to Dr. J. M. Bennett for the use of the scanning comparator. We would like to thank Dr. T. E. Phipps and Mr. F. A. Kinder for their encouragement. Most of the data were reduced by Mrs. J. S. Brune, and Mr. P. G. Bauer constructed much of the apparatus.

Copy of the lightspeed Babcock and Bergman anomaly. After passing through a fast rotating glass plate the photons are fringe shifted by maximum 0.02 fringe compared with a shift of 2.9 fringes predicted on the assumption of addition of velocities, = 0.7 percent of the photon trajectory of 1.40m. Conclusion: the LASOF effect is supposed to be active here over a distance of maximum 1 cm.

Figure: 6,17.

QUANTUM FUNCTION FOLLOWS FORM THEORY

LIGHTSPEED Extinction exp.



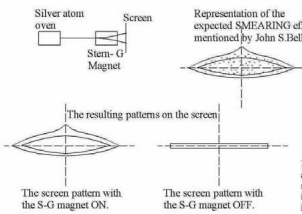
The Babcock and Bergman test done in 1964, resulted in a positive lightspeed drag factor of only 0,7% , which could be translated in a drag extinction effect over less than 1 cm distance after signal passage through the fast moving glass window. See: Journal of the Optical Society of America Vol. 54, nr 2 page 147-151. Febr. 1964. Determination of the Constancy of the speed of Light by Babcock and Bergman.

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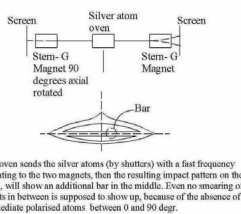
Support for Atomic ENTANGLEMENT in single and DOUBLE Stern Gerlach experiments

New Stern Gerlach experiment, based on the hypothesis, that the non-smearing paradox described by J.S.Bell, in his book "speakeable and unspeakable in QM" Ch. 16, (page 140-141) is originated by a new unknown form of entanglement at a distance between the first silver atom inside the S-G magnet and the rest, waiting in the silver oven to be released. It is assumed, that the vaporized silveratoms inside and outside the silver oven, are always entangled two by two, to guarantee a total zero-spin state, and the absence of a "SMearing" effect. author: Leo Vuyk, 23-10-2005

The traditional Stern Gerlach experiment.



The new proposed experiment, with two S-G magnets always ON



If the oven sends the silver atoms (by shutters) with a fast frequency alternating to the two magnets, then the resulting impact pattern on the screen, will show an additional bar in the middle. Even no smearing of impacts in between is supposed to show up, because of the absence of intermediate polarized atoms between 0 and 90 degr.

Author: Leo Vuyk 30-01-2011 NL

Figuur 6,18.

Some FFF Theory related Experiments Function Follows Form in QM and Cosmo

Repeating investigation of the CHAMP/GPS satellite anomalous outliers of 180 meter, in relation to the gravity-drag LASOF Ellipsoidal EXTINCTION influence on the lightspeed.

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.

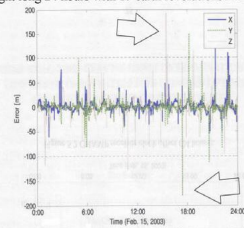
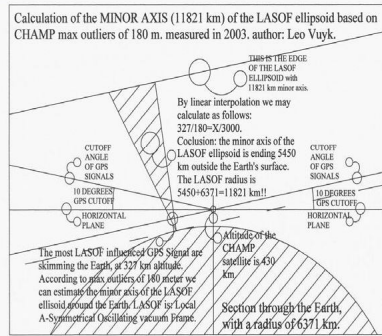
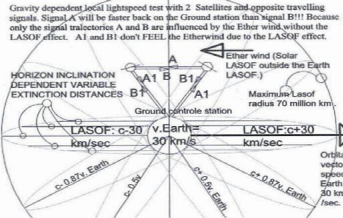


Figure 5.3 Comparison of the absolute kinematic orbit solution, w.r.t. RSO.



Opposite running LASER signal interference exp. in triangular shape between two Balloons or Satellites and the Earth.

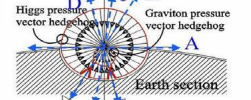
GRAVITY DIRECTION DEPENDENT LIGHT SPEED FRAME DRAGGING by LASOF (Local Anti-Symmetrical Oscillating vacuum Frame). SIGAR shaped LASOF Bubble structure of the Earth with proposals for a future two way TRIANGLE satellite signal interference experiment. date: 9-11-2006 (this is an enlargement of figure B1 dated: 14-01-2005) author: Leo Vuyk.



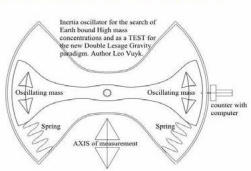
LeoVuyk@Gmail.com <http://bigbang-entanglement.blogspot.com/>

DOUBLE LeSage Gravity

Higgs/Graviton pressure vector hedgehogs acting on a mass carrying Quantum particle. The irregular distribution of mass inside the earth is supposed to influence the 3D pressure vector hedgehog according to the new Double LeSage gravity paradigm, see image below. Author: Leo Vuyk.



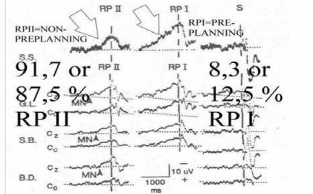
Locations inside the Earth, with extreme high mass concentration, (near Volcanos) measured by inertia pendulum experiment. Oscillation directions A, B, C, D, of the NEW Inertia Oscillator device, will give larger DAMPING differences as expected by Newtonian gravity rules



MULTIVERSE exp. New B.Libet experiments focussed on RPI -RPII statistics.

If humans are cooperating decision makers inside the postulated 8 or 12 entangled but separated universes, then for every decision we need one preplanning test-person who pre-plans his choice. The other 7 or 11 test copy-persons are only able to follow OR REJECT this decision.

As a result we may be able to measure (in the future) the number of copy universes involved, by counting the average percentages of preplanning persons in test situations like the Libet test. For 12 universes the RPI percentage will be 100/12=8,3%. For 8 universes RPI will be 12,5%. For RPI II it will be 91,7 respectively 87,5%.



Electric Readiness Potential (RP) Test results made by B.Libet, listed for test persons (S) and for the test person's ideas about preplanning before making the decision to press the button. RPI is without preplanning, RPII is with preplanning!