

Quantum FFF Theory, Poster News 4.2

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Abstract,

Function Follows Form in 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 consequence, a NEW splitting, accelerating and pairing Mass less Electric Dark Matter Black Hole, able to convert vacuum energy (Zero Point Energy) into real energy by entropy decrease, seems to be able to explain quick Galaxy- and Star formation, down to Sunspots, (Micro) Comets, Lightning bolts, Sprite Fireballs and Ball Lightning.

Recently, lots of new cosmological information inspired me to react by the production of poster images added with explanatory texts. The result of the latest three months is gathered in this issue.

I am an architect who is interested in the possible FORM and FORM transformation aspects as information medium in micro- and macro physics, as a realistic search for the origin of Matter Space and Time. I believe that our complex world can not be described by FORMULAS ALONE.

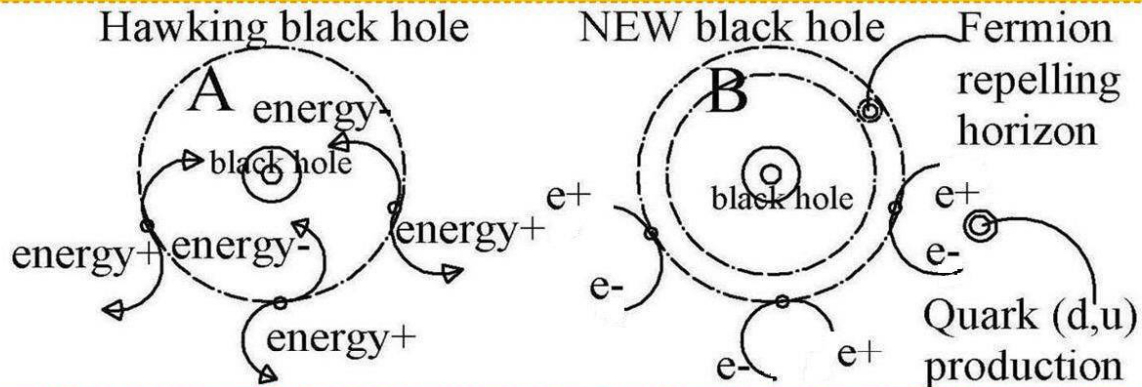
WHY? Because we don't know why the universe is as it is. An example: "Finetuning": Why are the "fundamental constants" constant? My suggestion: because the sub-quantum FORM of particles and the Higgs vacuum lattice have a certain form and play a game with us.. So I designed simple convertible shapes for REAL quantum particle information use. At the same time I realized that black holes should also have some nuclear form and as a result I found that dark matter is related to black holes and Higgs particles have only energetic mass inside an oscillating Higgs vacuum lattice. Multiverse based mirror symmetric consciousness (entanglement) is assumed to be the base for all particle- wave -and human guidance or wavefunction collapse. SEE: <https://www.flickr.com/photos/93308747@N05/?details=1>
At last, The Beginning and End of Time.

The cyclic Multiverse based on Quantum FFF model is depicted as continuous flow of increasing and decreasing numbers of Higgs particles located inside Dark Matter Black Hole Nuclei, or free oscillating in the vacuum lattice or derived as real SM particles.

http://vixra.org/author/leo_vuyk

<https://www.flickr.com/photos/93308747@N05/15306972174/in/photostream>

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



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

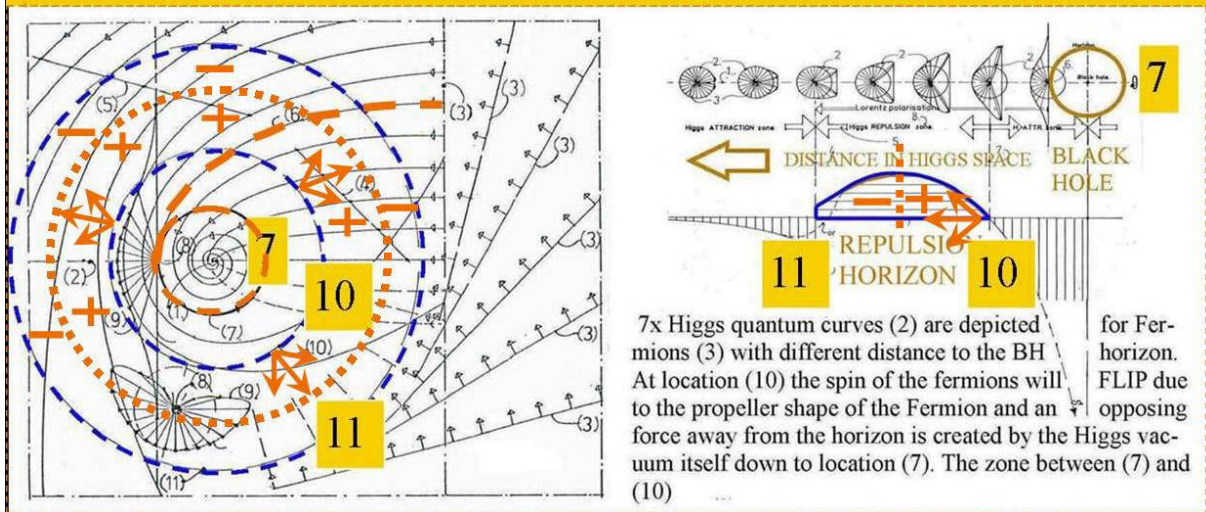
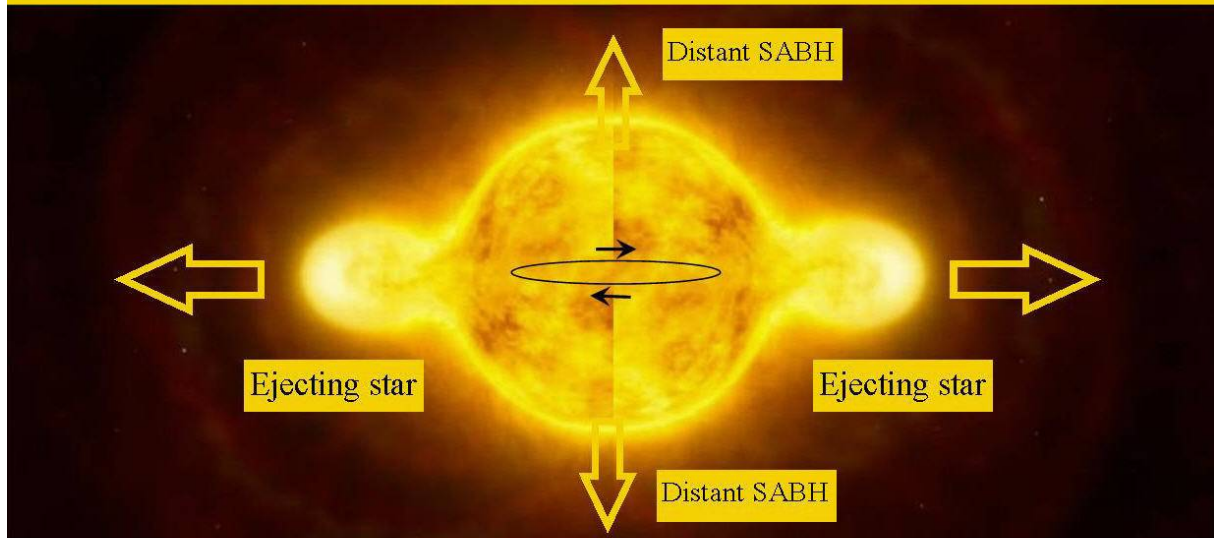


Figure 1,

Dual Star production out of the central mother star in open star clusters, according to Quantum FFF Theory.



Open star clusters are supposed to originate only in between a dual system of Super Nova Black Holes, (SNBHs) observable as the dual hotspots of Herbig haro systems. The size of both SNBHs is responsible for the polarisation of the oscillating Casimir-Higgs field and the maximum size of the growing central star. If the maximum size is reached rotational instability is supposed to start the ejection of two baby stars, leaving the place by the dual attraction of the SABHs. If the H₂ Plasma accretion to the central star stops, only planetary failed stars (Jupiter) and metal rich planets (earth), will be created by the same instability.

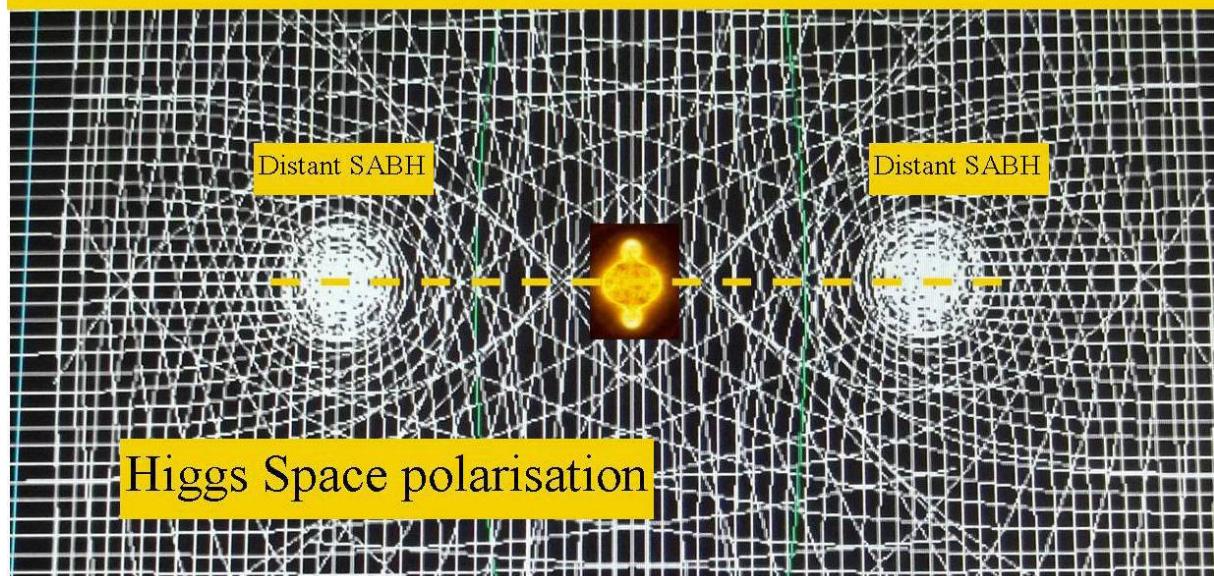
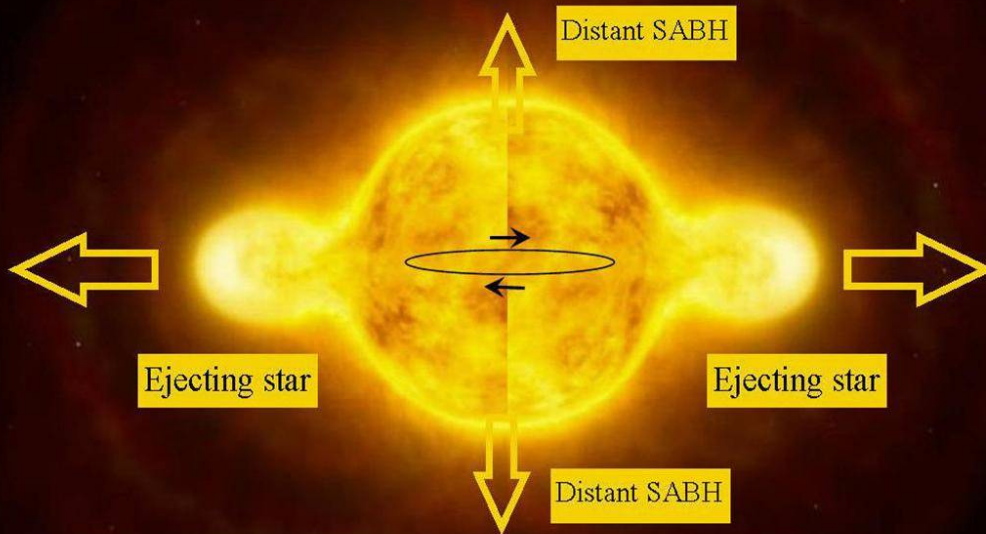
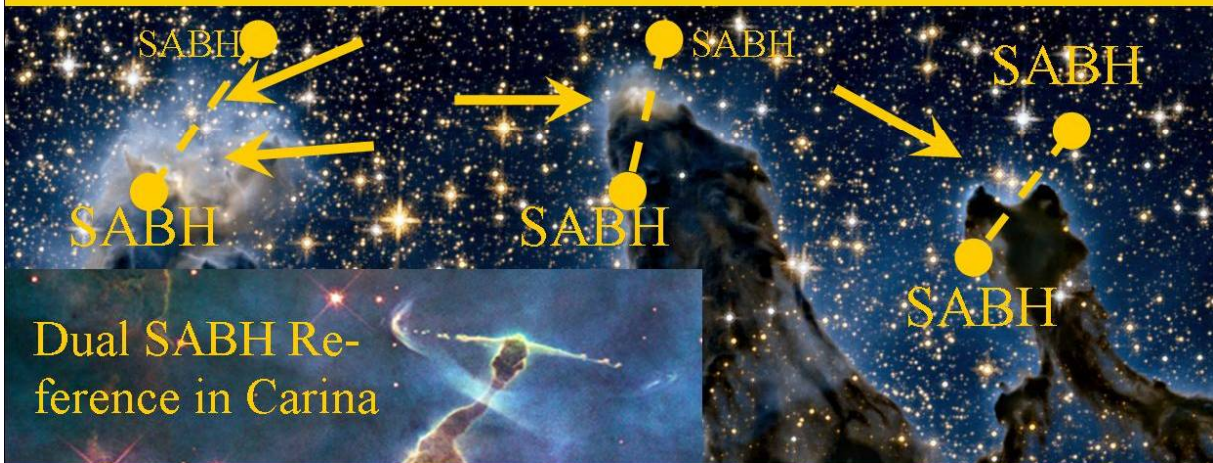


Figure 2,

Dual Star production out of the central mother star in open star clusters, according to Quantum FFF Theory.



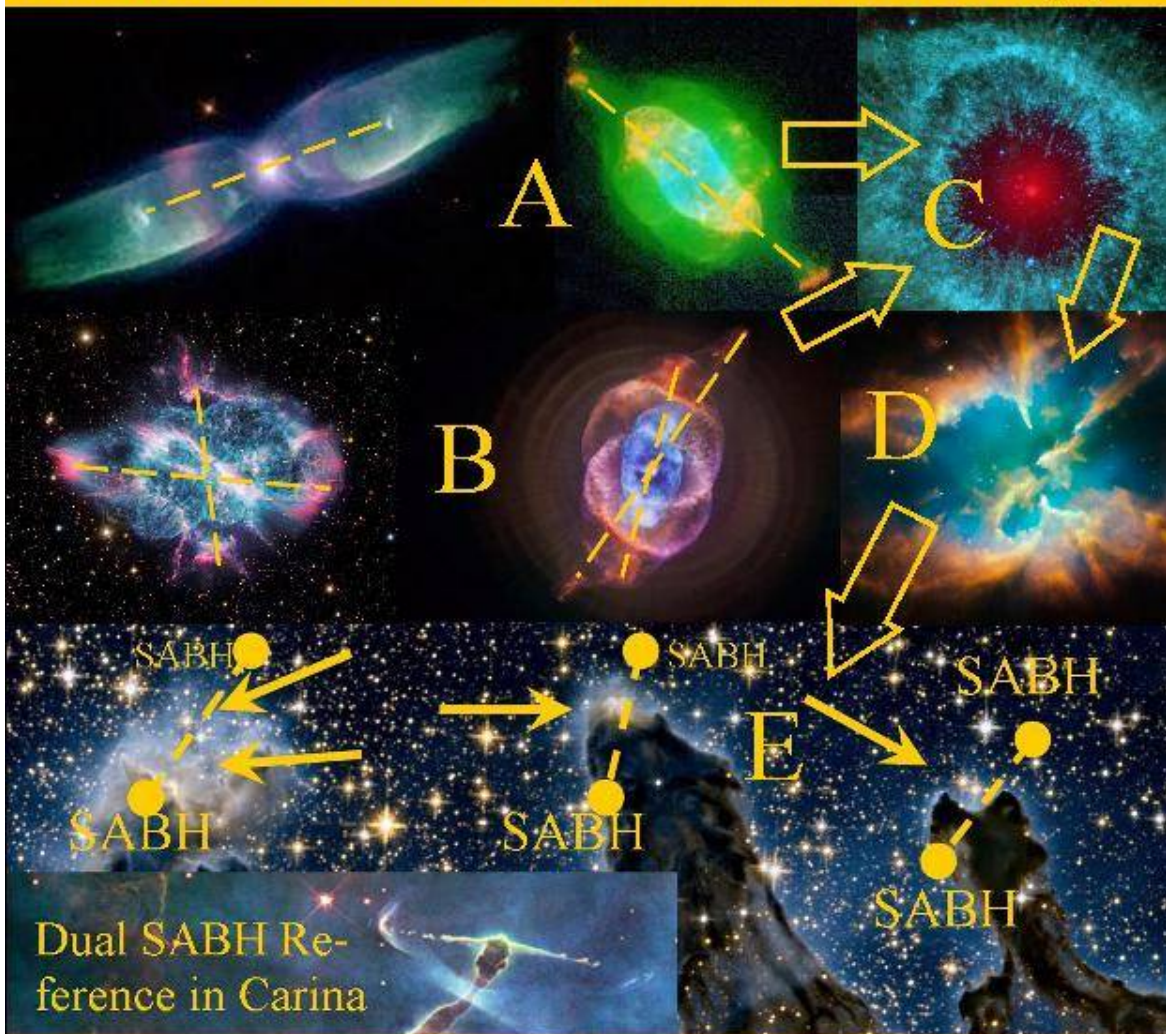
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The eagle nebula in infrared, shows dual star production in between two distant SABHs (former HH hotspots) at the top of the pillars of creation.

Figure 3, .

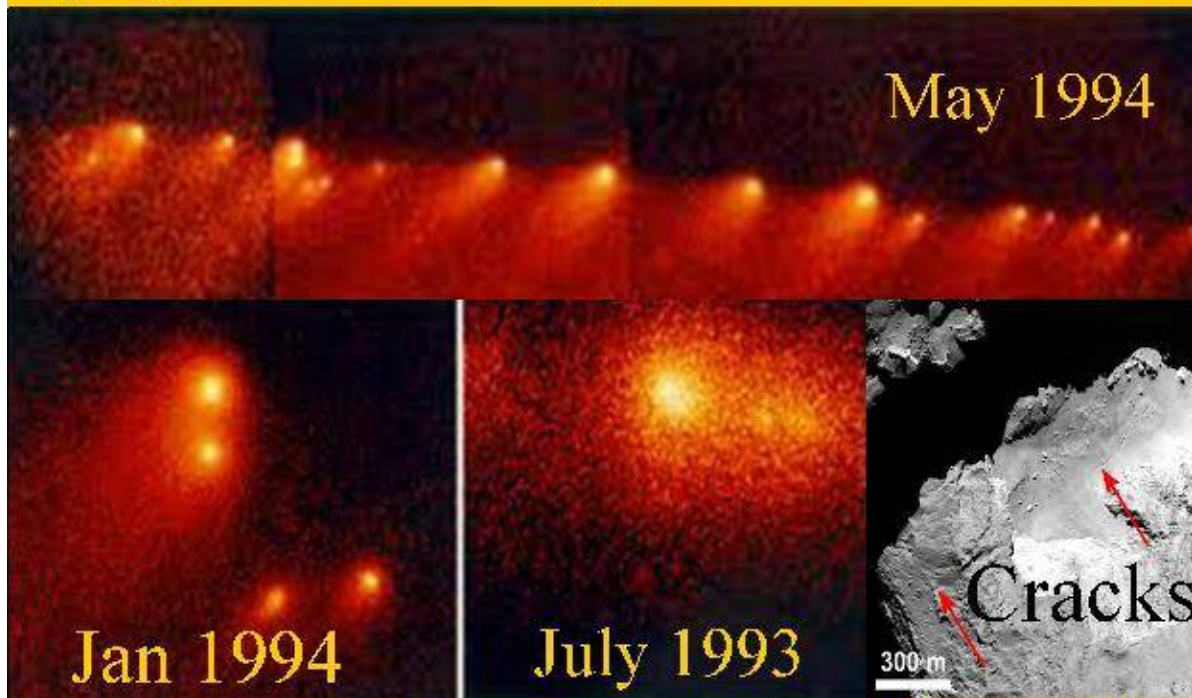
Bi-polar (A) and multipolar (B) Planetary Nebula related to Dark Matter Black Hole based (DMBH) Starspots ejection (C). DMBHs aim by ZPE to pair (D) and form Herbig Haro systems creating binary stars in between these DMBHs called SABHs. (E)



According to Quantum FFF Theory, dual Herbig Haro hotspots are former DMBHs called SABHs Stellar Anchor Black Holes with binary star creation in between, most at the top of dust pillars of creation inside older nebula. (E) This process is also the base of galaxy formation in the early universe.

Figure 4,

Cracks in multinuclear Comet 67P CG, a prognosis for S. Levy 9 alike destruction?



Below: cross section of the comet with proposed Dark Matter Black Hole point sources of different magnitude. According to QuantumFFF Theory.

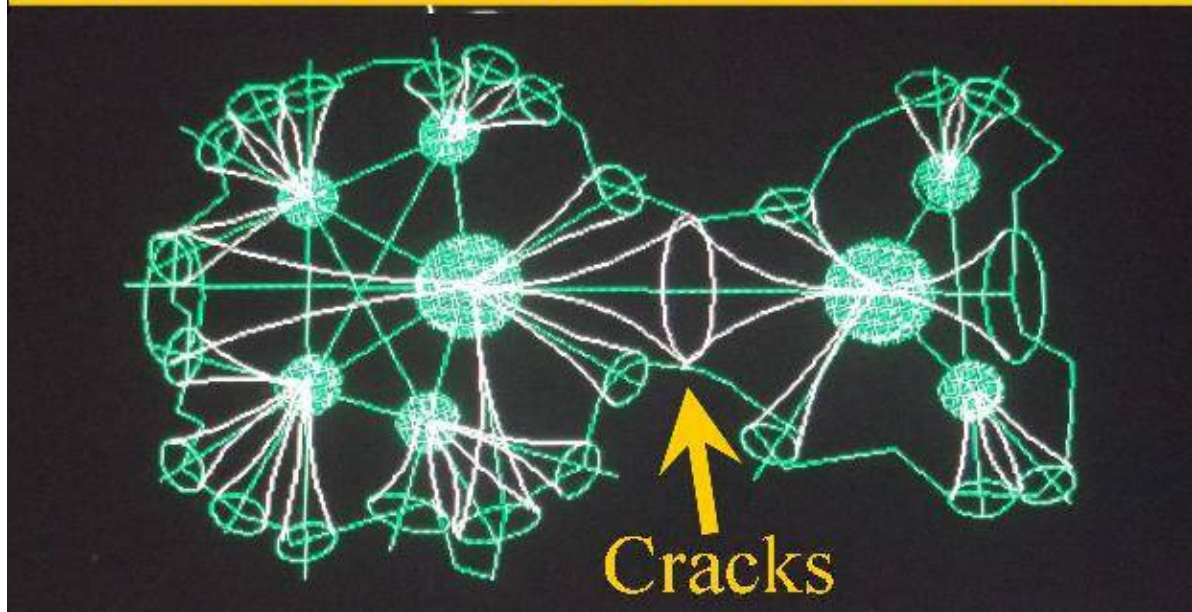
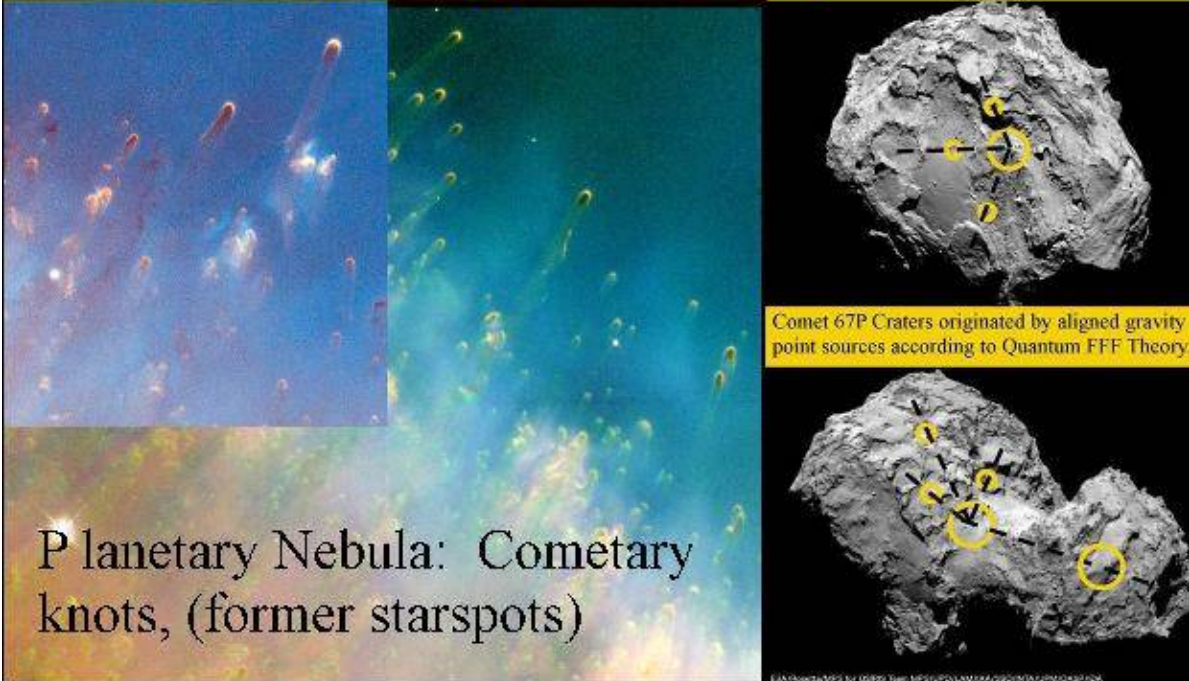


Figure 5,

The origin of Comets: former starspots called surprisingly Cometary knots!.



Below: cross section of the comet with proposed Dark Matter Black Hole point sources of different magnitude. According to Quantum FFF Theory.

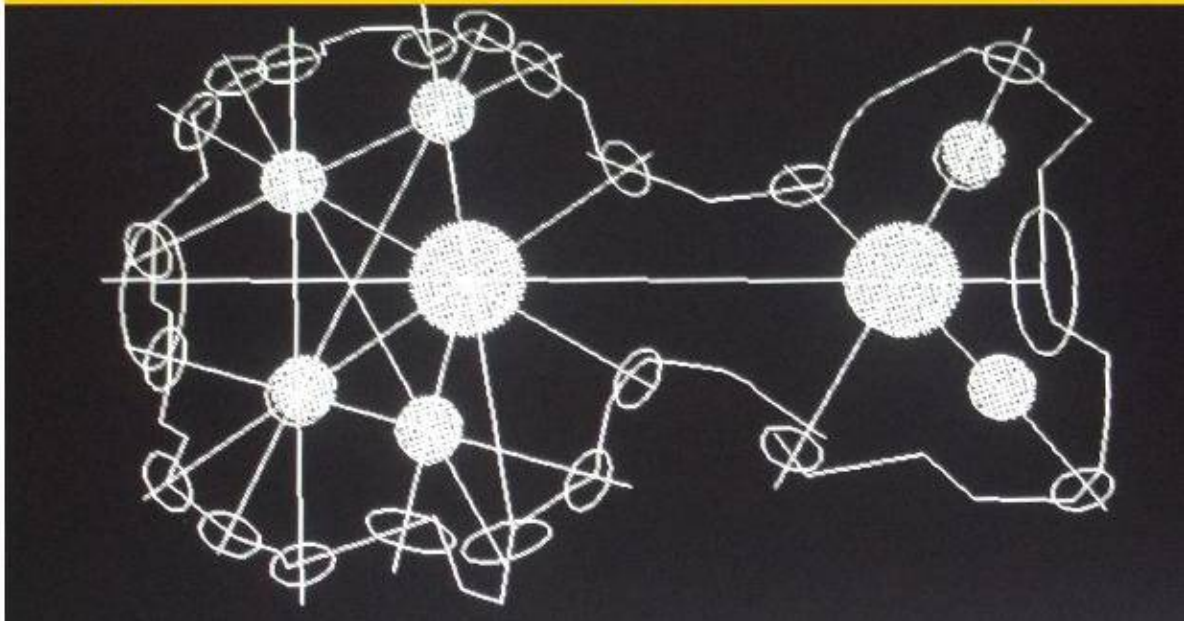
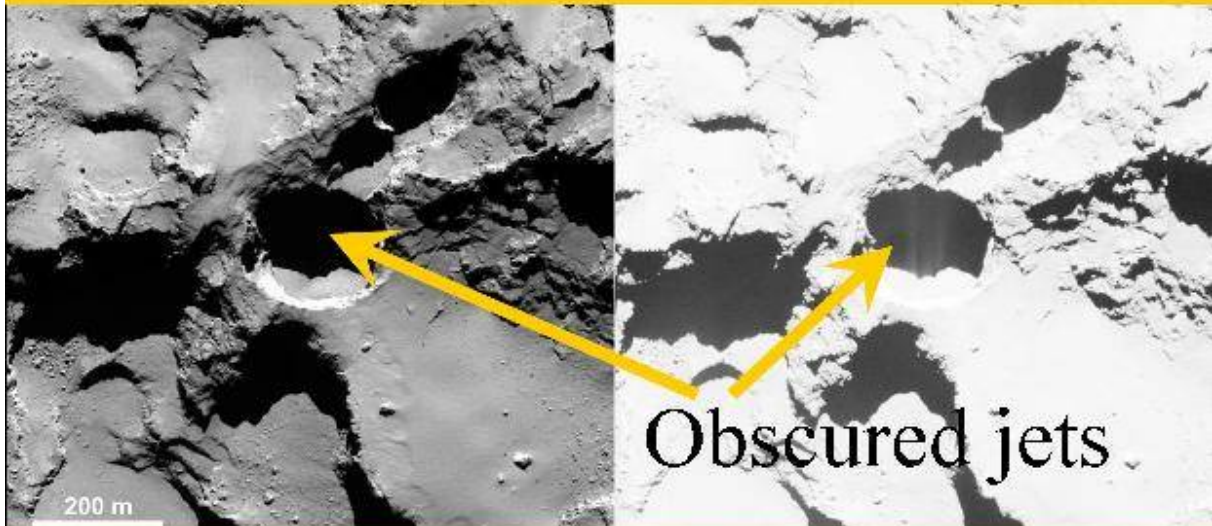


Figure 6,

Crater creation by internal icy Funnel Structures, suggested to be created by aligned Dark Matter BH point sources for Comet 67PCG.



Below: 67P-CG cross section with proposed (boulder producing) growing ice funnel structures created by aligned Dark Matter Black Hole point sources of different magnitude. (Leo Vuyk hypothesis)

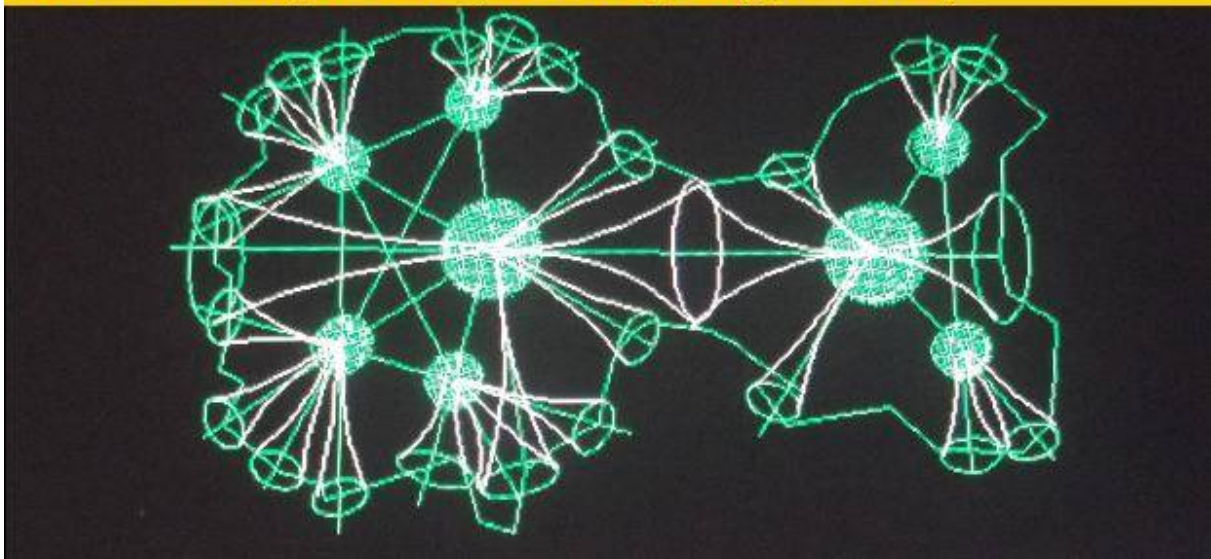
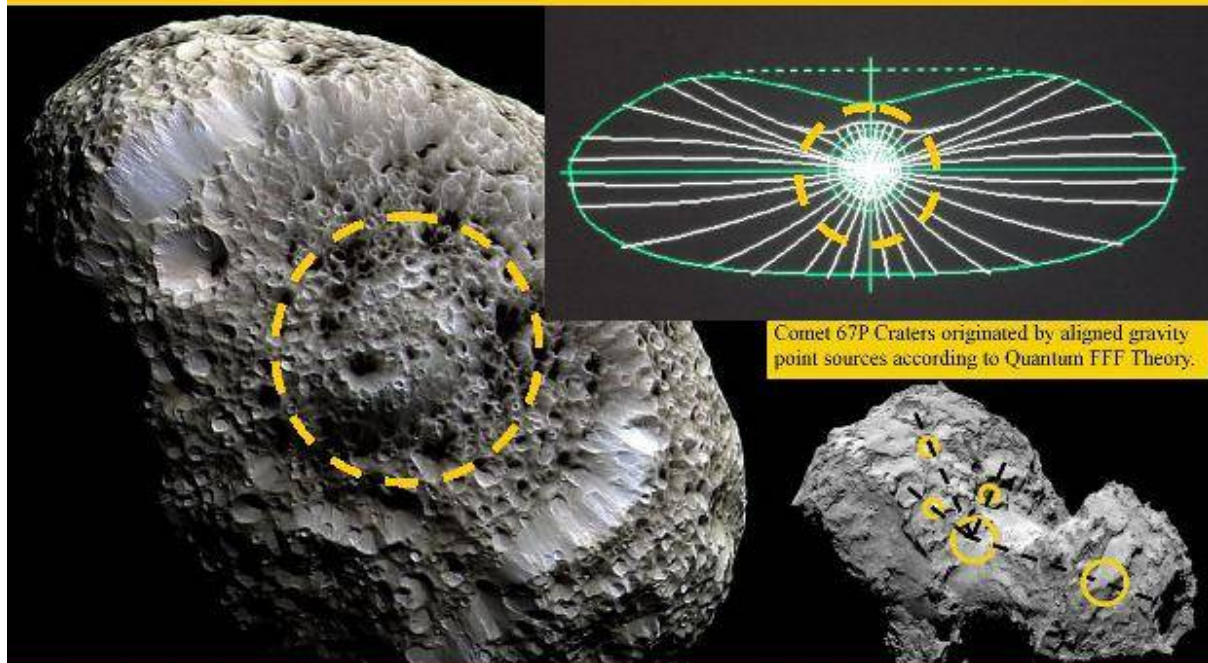


Figure 7,

Internal Porous Funnel Structures, created by Dark Matter BH point sources for Comet 67PCG, and Hyperion. (a former Comet without BH nucleus).



Below: 67P-CG cross section with proposed (boulder producing) growing ice funnel structures created by Dark Matter Black Hole point sources of different magnitude. (according to Quantum FFF Theory.)

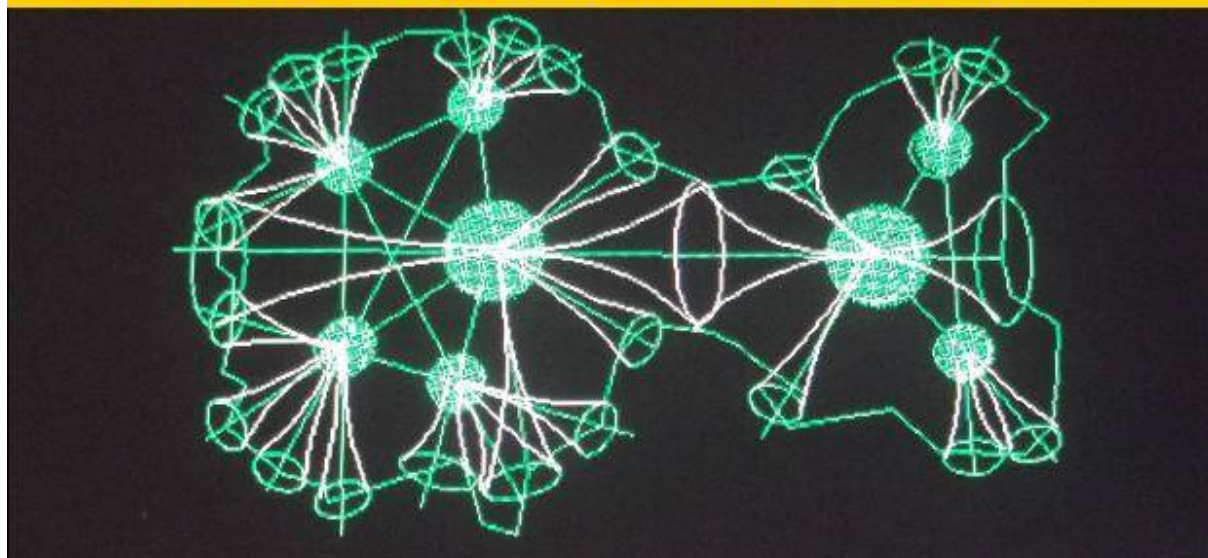


Figure 8,

According to the Quantum-FFF model, (Function Follows Form) Microscopic Dark Matter (singularity black holes) are proliferated inside stars (sunspots), comets and ball lightning. Recent study (B. Harris) suggest, that also around earth an equatorial dark matter ring is present as the origin of the “Flyby anomaly”. However a DM equatorial disc located inside the earth (like sunspots) could solve the Flyby anomaly better and perhaps even the so called P-Wave shadow zone.

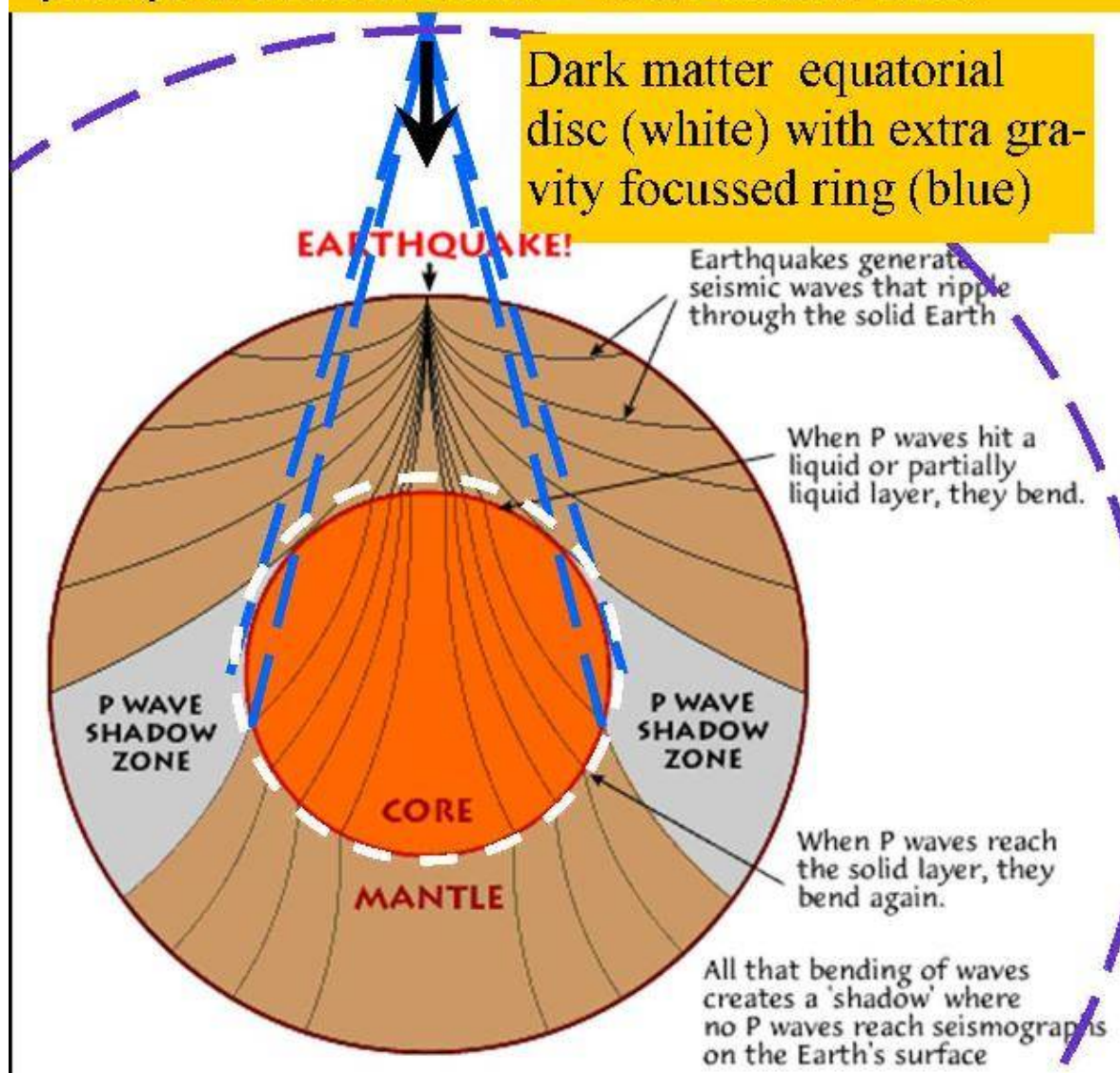


Figure 9,

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

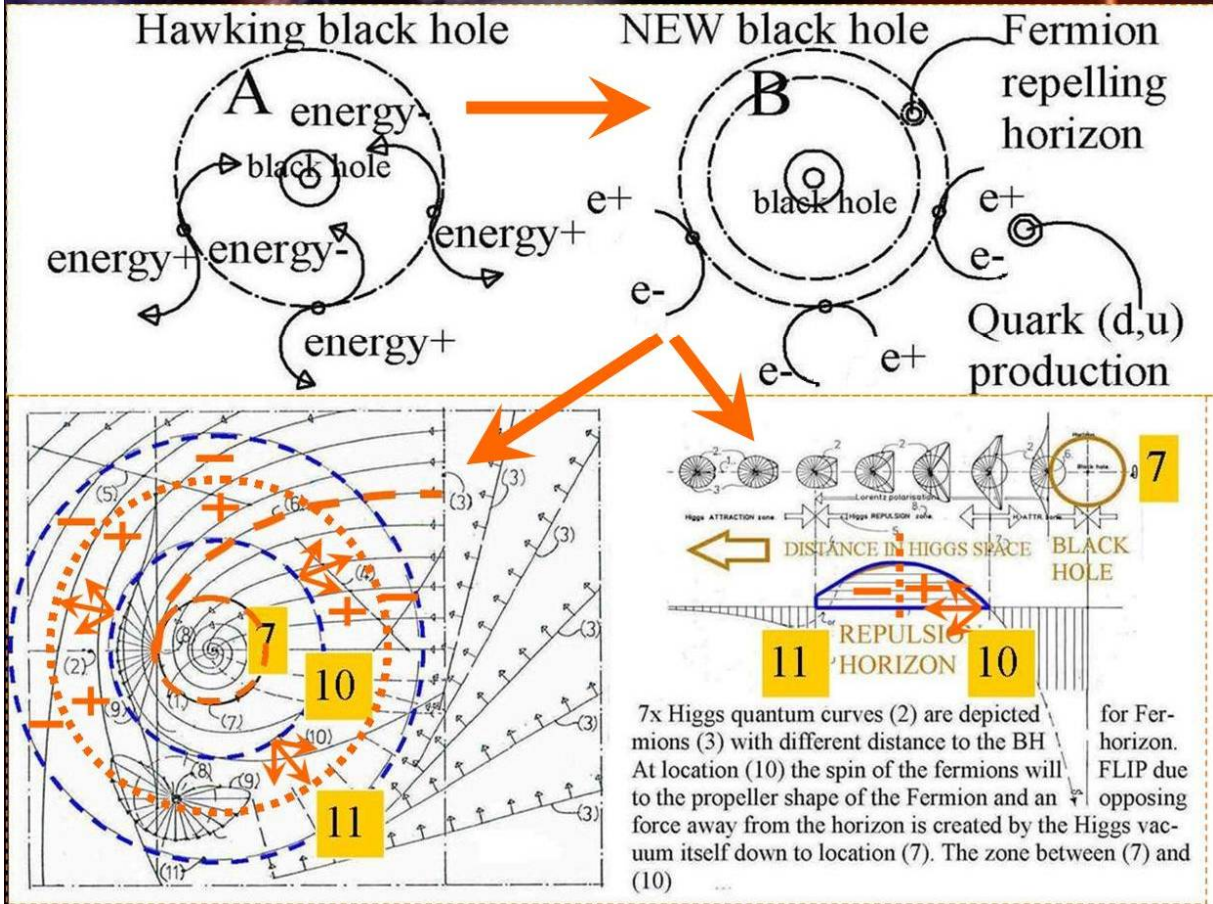
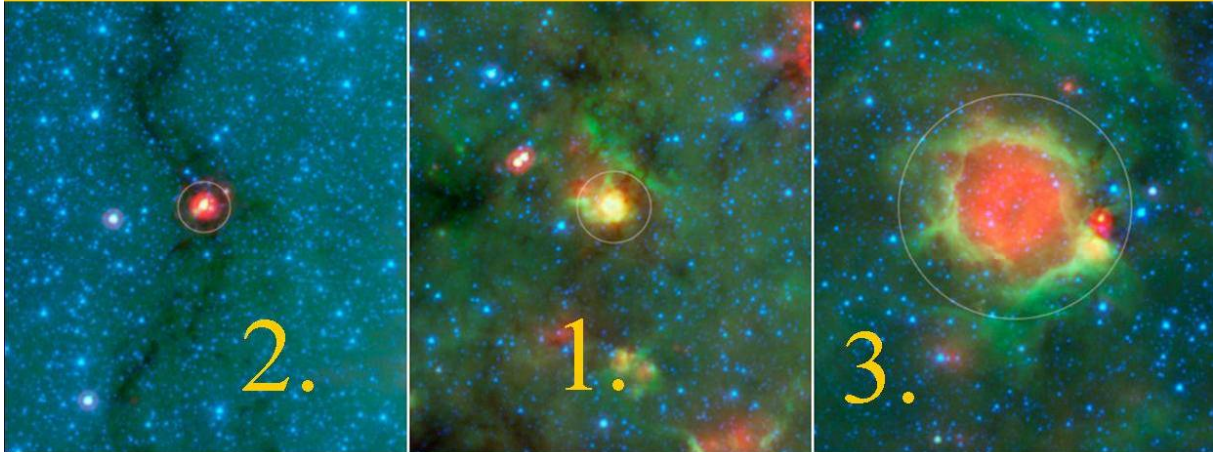


Figure 10,

Yellow Balls, recently observed as early star forming open cluster centre. According to Quantum FFF Theory.



Yellow Balls, (1) as intermediate phase between a Herbig Haro central star (2) and the start of an open star cluster called “Blow out cavity” bubble (3). Below: the principle how dark matter black holes accelerate and pair into Herbig Haro objects.

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.

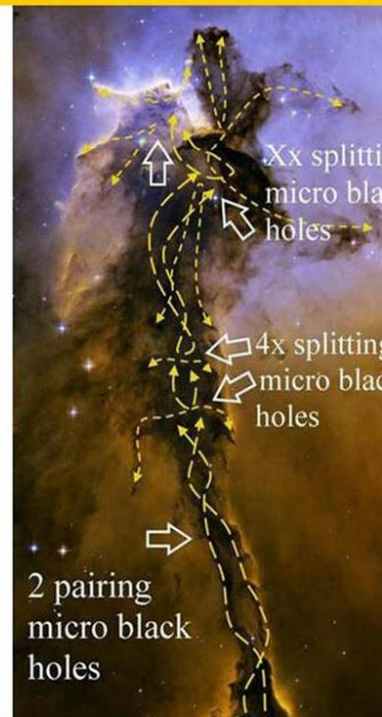
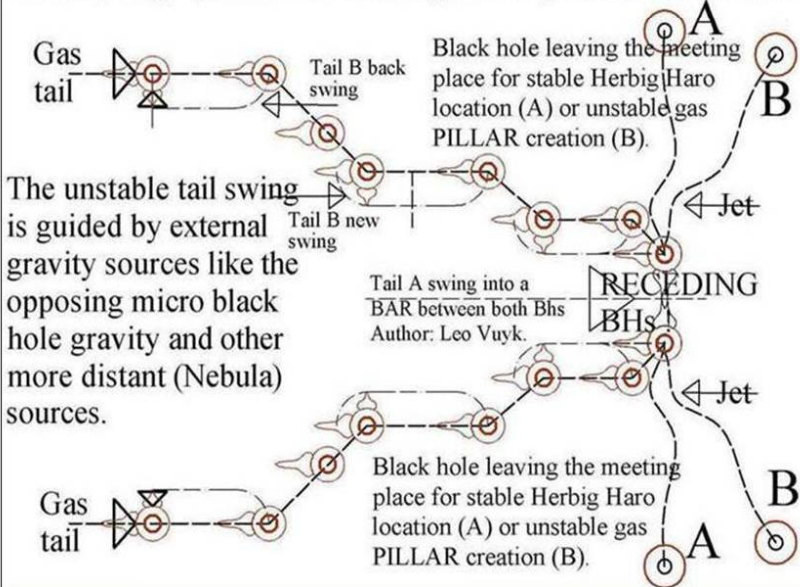


Figure 11,

Quantum FFF Theory.

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

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

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

10: The first Supernovas produce medium sized Black Holes as the base for secondary Herbig Haro systems and open star clusters.

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

12: The lightspeed is related to gravity fields like the earth with long extinction distances to adapt with the solar gravity field.

13. Quantum FFF Theory states that the raspberry shaped multiverse is symmetric and instant entangled down to the smallest quantum level. Also down to living and dying CATS in BOXES.

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

15, As a consequence of 12-14, Time is always local time in combination with cyclic period time of the multiverse.

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

However it also suggests that in our opposing symmetric ANTI-MATERIAL entangled neighbor universe the DNA helix should have a Left handed spiral.

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

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

Then we are not alone with our thoughts and doubts, see:Democratic Free Will in the instant Entangled Multiverse.

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

Then wave particle duality and the so called one particle double slit interference could be explained by accepting that real shaped 3D photon particles only exist in their function of Gluons. However Gluons should transfer form information to the oscillating luminiferous 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 can be compound particles.

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

22, We seem to live inside one material universal bubble of an instant entangled (Charge Parity Time) CPT symmetric raspberry bubble multiverse. Each quantum jump or wave function collapse or human choice is guided by this instant entanglement at long distant.

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<http://vixra.org/pdf/1401.0071v2.pdf>

Quantum FFF Theory (Function Follows Form)

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- See also: vixra.org/author/leo_vuyk

Figure 12.

Charge splitting black holes and the mysterious dual pairing to form Herbig Haro objects, galaxies and starclusters.

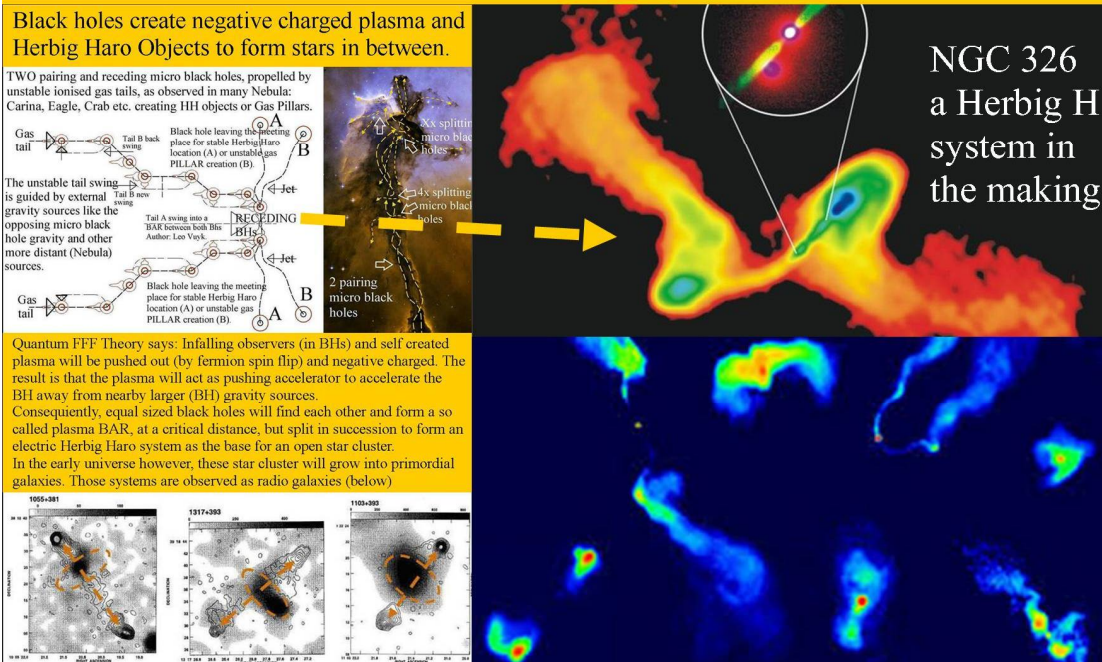
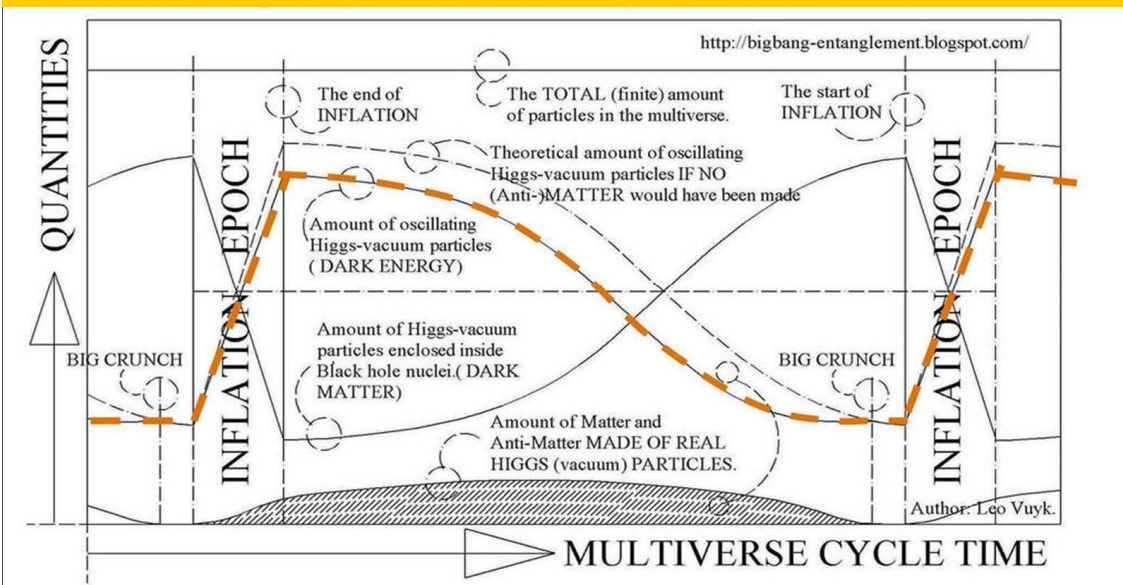


Figure 13.

The inflation epoch starts if the decreasing (Casimir) vacuum pressure equals the increasing Higgs particle elasticity inside the Big Crunch black hole nucleus. The Inflation epoch without re-ionisation ends if all splintered black hole nuclei have found a partner to form dual Galaxy Anchor Black Holes (HH objects) and start to produce plasma.



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 15,

Birkeland Alfven current circuits as the origin of Herbig Haro Jets between central White Hole location and both Black Hole (HH objects). According to Q-FFF Theory.

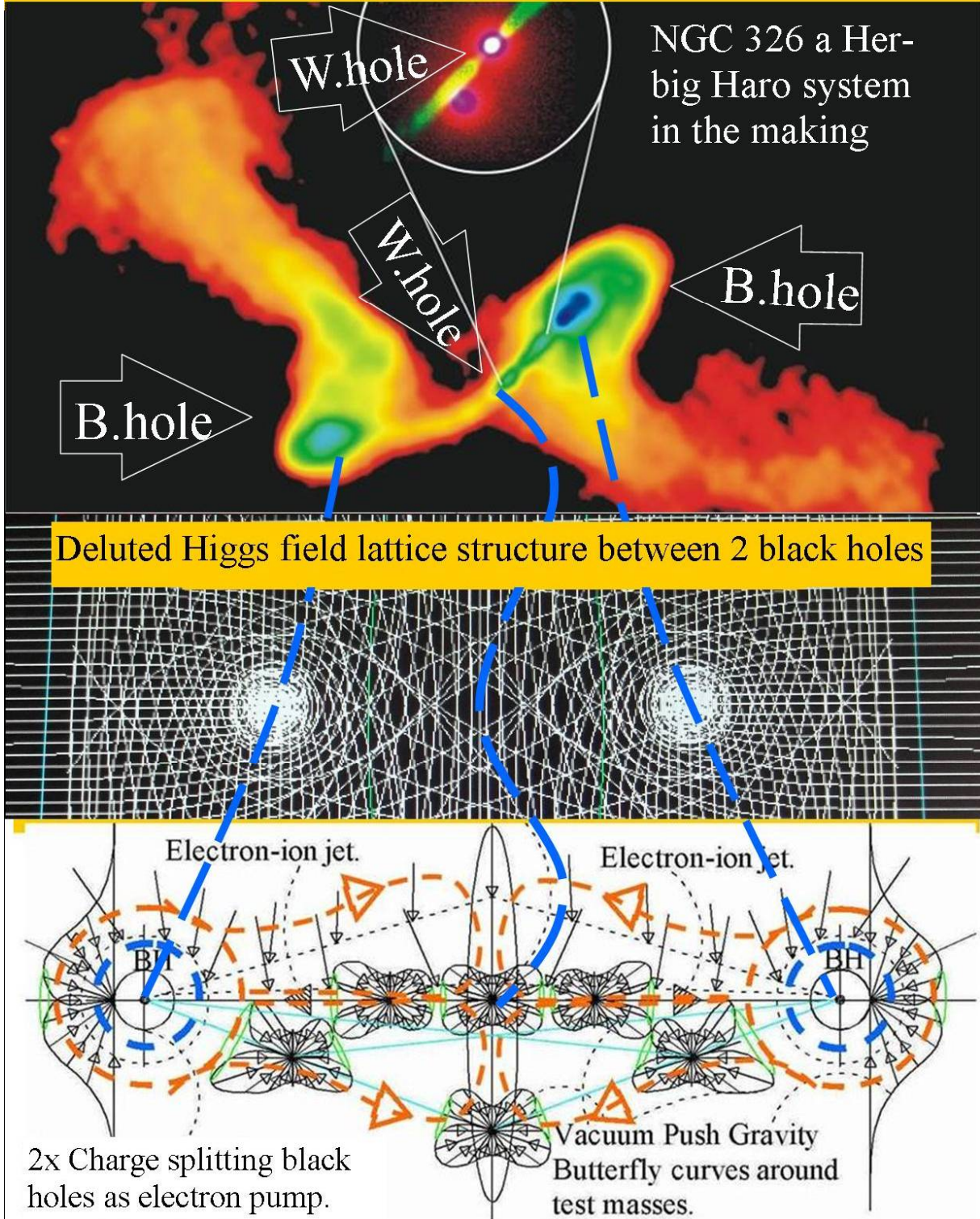


Figure 15,

A mysterious source of high energy cosmic rays are found north near the Big Dipper (university of Utah) In addition: the south pole IceCube experiment found concentrated neutrino sources at north and south locations (see upper figure, nrs.23+ 18) Both could represent the Stellar Anchor Black Hole (SABH) locations of the sun, according to Q-FFF theory.

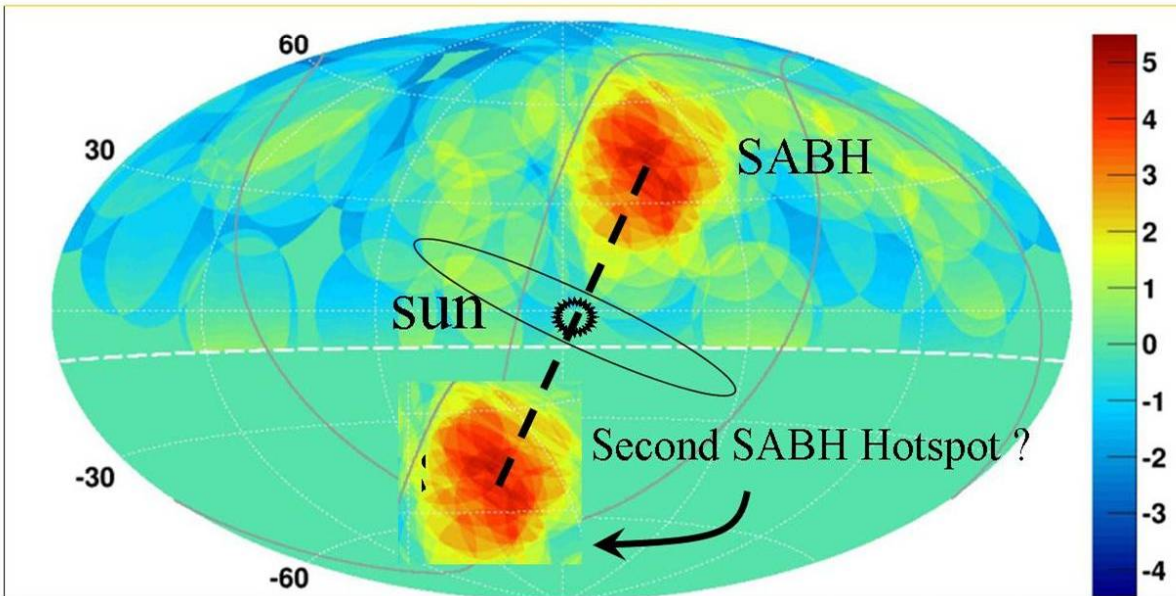
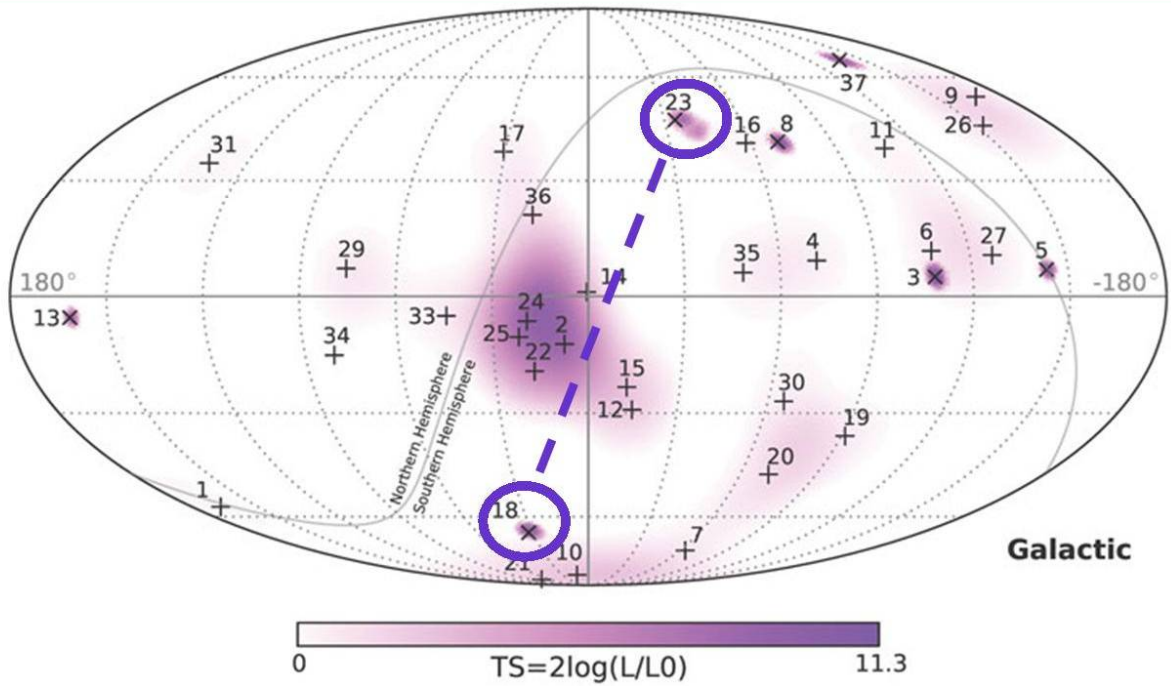
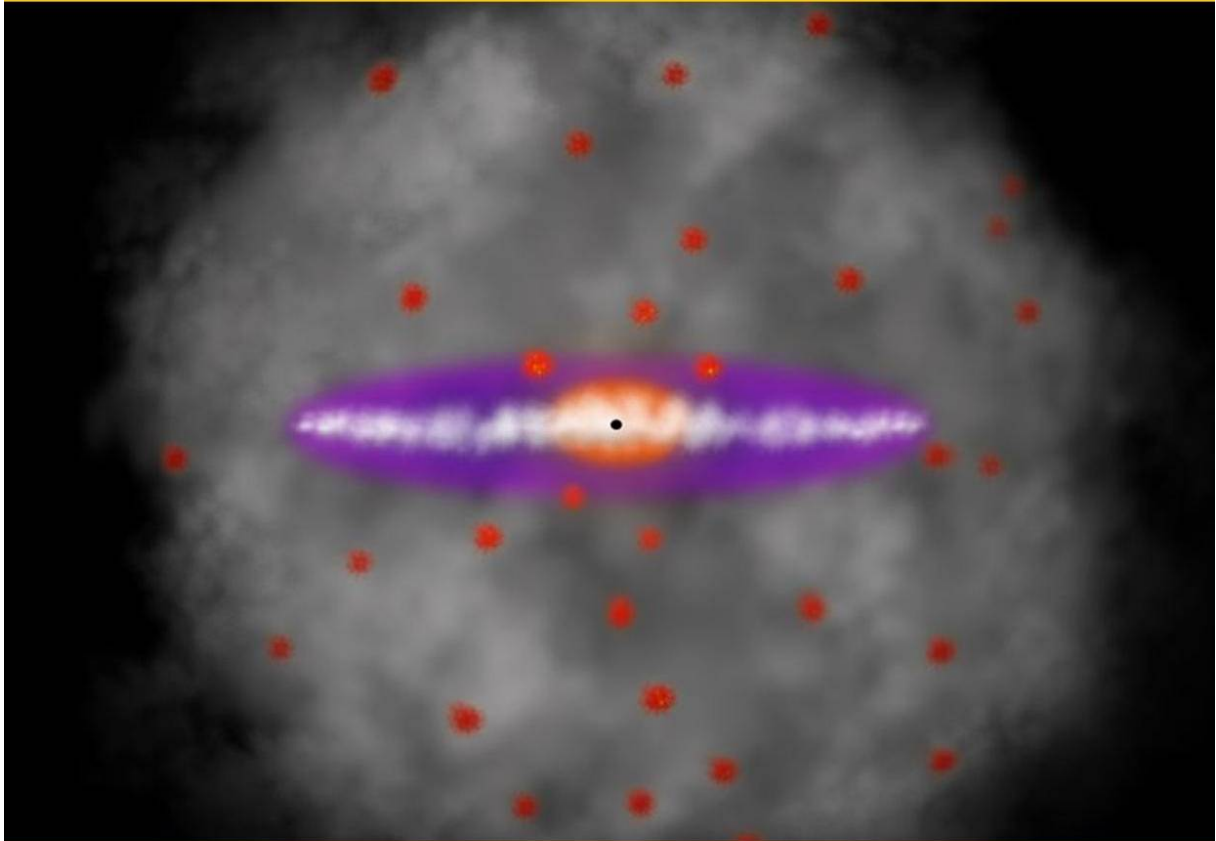


Figure 16,

Cepheid/Dwarf (Dark Matter point source-) distribution around the milky way, @ Vista/ Sukanya Chakrabarti Rochester Institute of Technology.



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

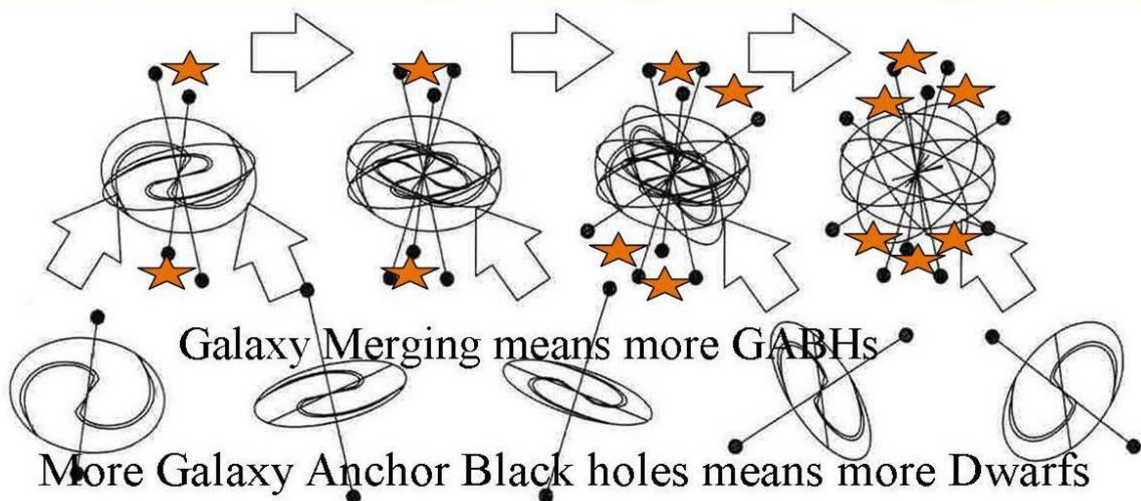


Figure 17,

NOT GRAVITY but only CASIMIR PRESSURE inside the interference black hole nucleus of the ball lightning, able to produce and repel dust and plasma.

According to Quantum FFF Theory.

How a Ball Lightning Micro Black Hole is made?

Micro Black Hole (MBH) and Macro Casimir Effect (CE) on two masses (M) inside the oscillating vacuum lattice (OVL), according to Quantum FFF theory and observed inside Silicon Ball Lightning granulate compactification.

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

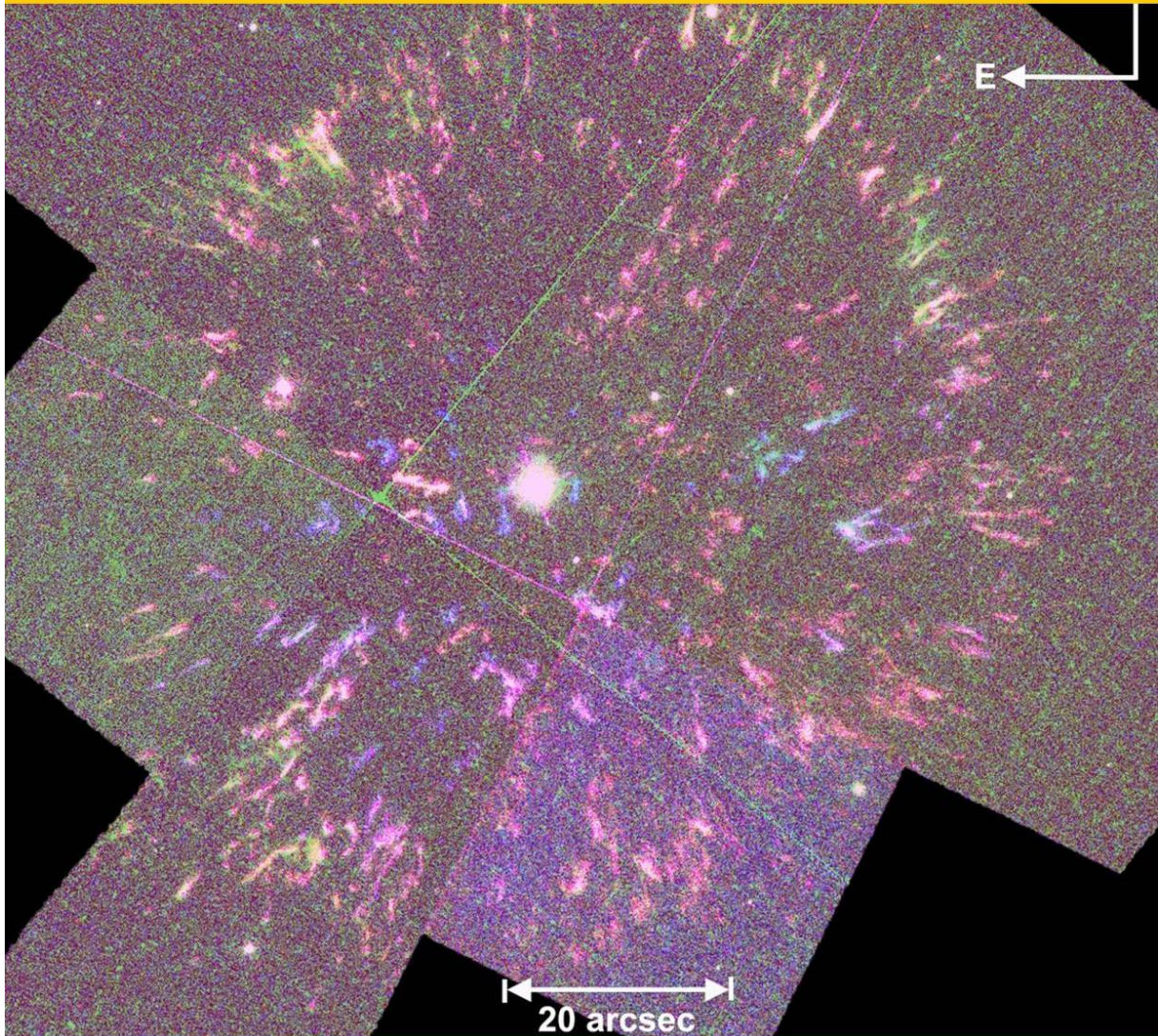
Ball lightning pushed by gas producing plasma tail
 Fermion repulsion by micro-black hole SPIN-FLIP
 Fermion production
 Wind direction
 Vapour
 Fermion repulsive horizon (10) with Butterfly-shaped Higgs impulse Hedgehogs (9) (by Loh-Vayk)

Ball Lightning and Micro Comets Based on New ZPE Black Hole Paradigm

Micro Comets (micro black holes) also pushed by plasma tail against the wind

Figure 19,

Plasma production by trailing dual related starspot dark matter black holes, expelled inside GK Persei Nebula. According to Quantum FFF Theory.

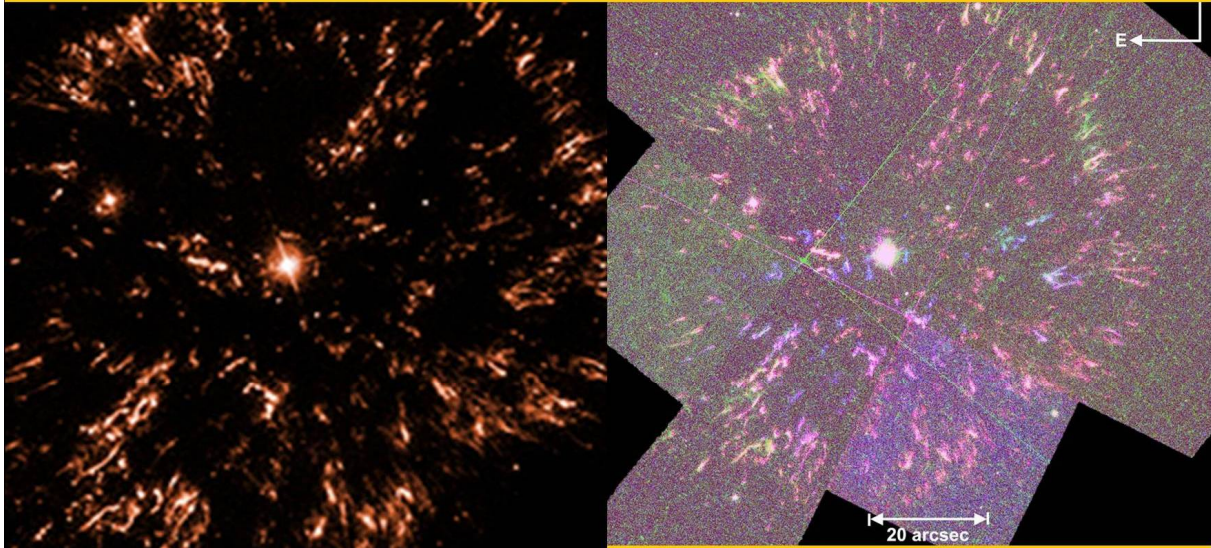


Rd is [N II], green is [OIII], and blue is H α . See: <http://iopscience.iop.org/1538-3881/143/6/143/article#aj429218f1e>

Figure 20,

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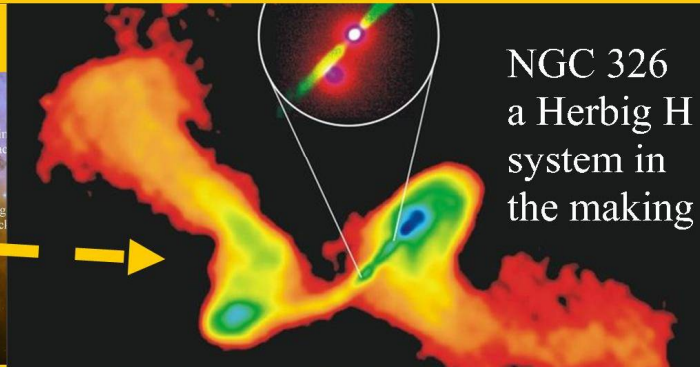
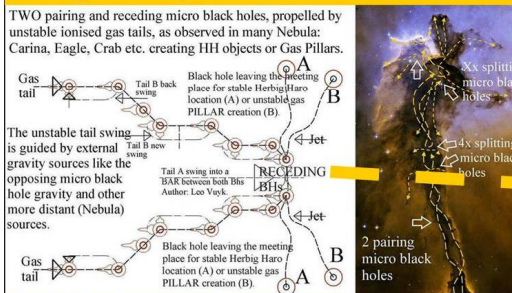
http://www.riken.jp/en/pr/press/2015/20150317_1/
Optical: HST / radio: VLA / X-ray: CXO / Copyright: NASA/CXC/J. DePasquale .

Rd is [N II], green is [OIII], and blue is H α . See: <http://iopscience.iop.org/1538-3881/143/6/143/article#aj429218f1e>

Figure 21,

Charge splitting black holes and the mysterious dual pairing to form Herbig Haro objects, galaxies and starclusters.

Black holes create negative charged plasma and Herbig Haro Objects to form stars in between.



NGC 326
a Herbig H
system in
the making

Quantum FFF Theory says: Infalling observers (in BHs) and self created plasma will be pushed out (by fermion spin flip) and negative charged. The result is that the plasma will act as pushing accelerator to accelerate the BH away from nearby larger (BH) gravity sources. Consequently, equal sized black holes will find each other and form a so called plasma BAR, at a critical distance, but split in succession to form an electric Herbig Haro system as the base for an open star cluster. In the early universe however, these star cluster will grow into primordial galaxies. Those systems are observed as radio galaxies (below)

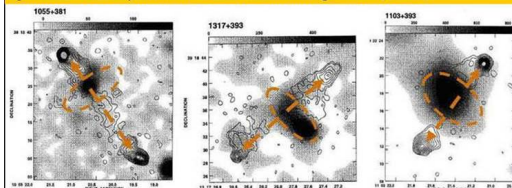


Figure 22,

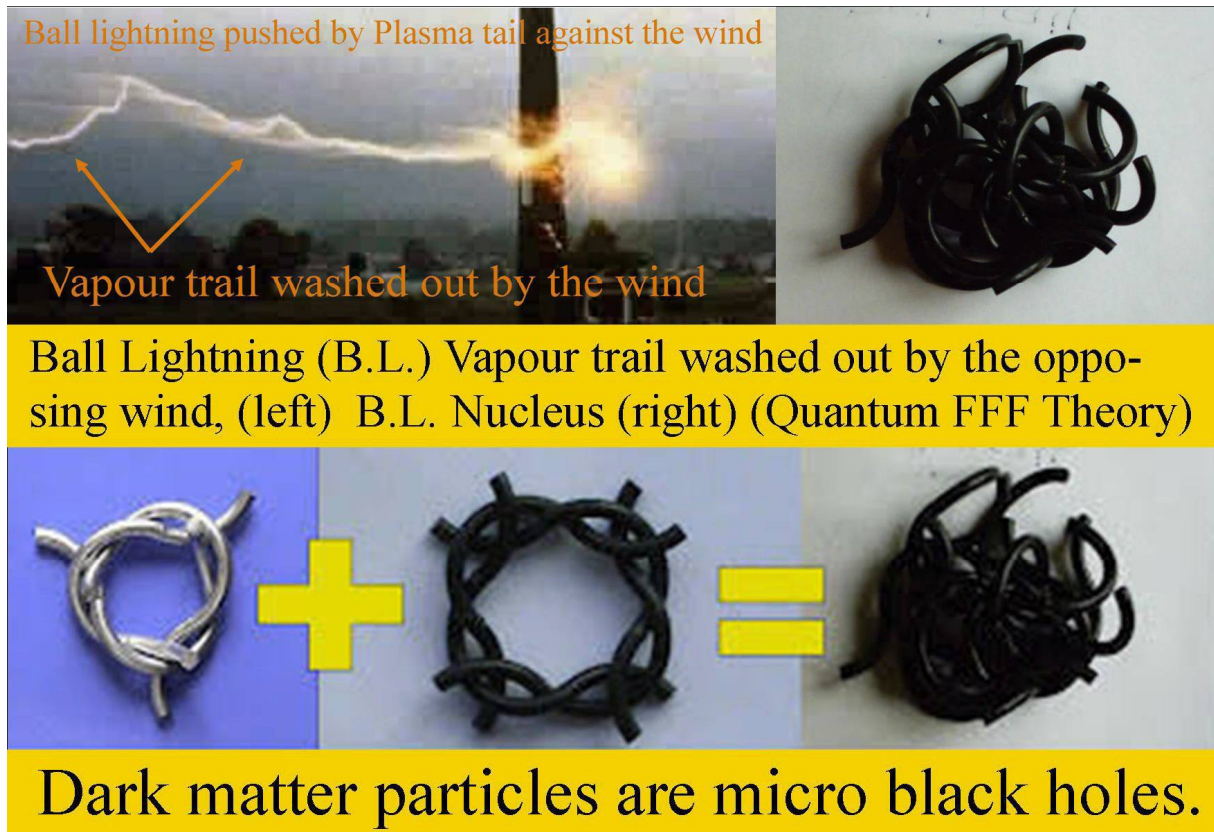


Figure 23,

The Beginning and End of Time.

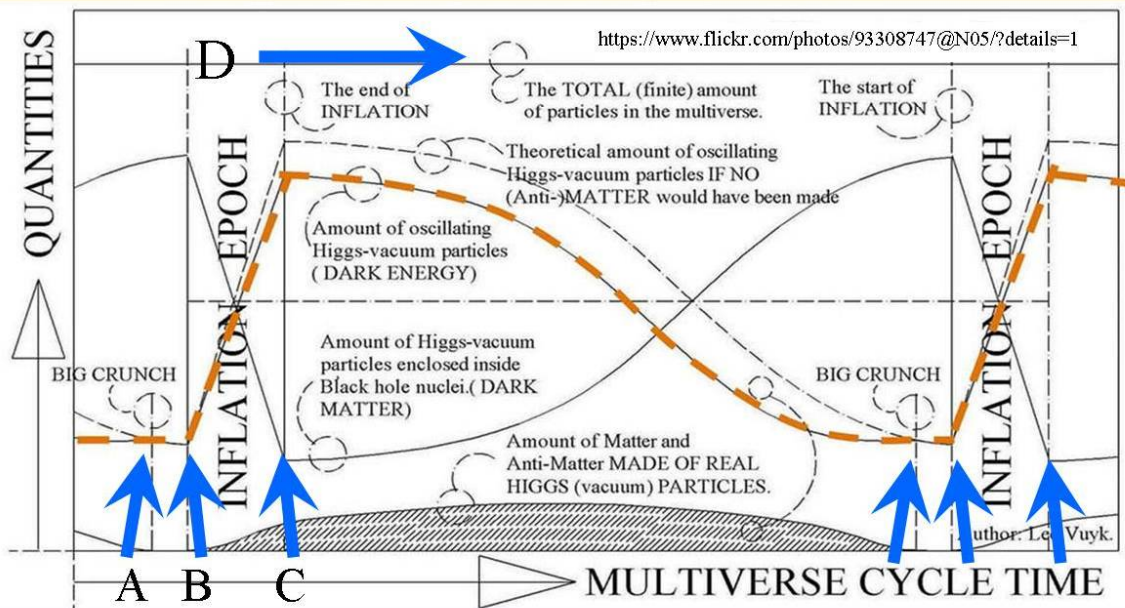
Multiverse cycle time versus quantities of real (SM) particles, Dark Matter Black Hole (BH) particles and Dark Energy Higgs /Casimir field particles.

The cyclic Multiverse depicted as continuous flow of increasing and decreasing numbers of Higgs particles located inside Dark Matter Black Hole Nuclei, or free oscillating in the vacuum lattice or derived as real SM particles.

The Beginning and End of Time.

Multiverse cycle time versus quantities of real (SM) particles, Dark Matter Black Hole (BH) particles and Dark Energy Higgs /Casimir field particles.

The cyclic Multiverse depicted as continuous flow of increasing and decreasing numbers of Higgs particles located inside Dark Matter Black Hole Nuclei, or free oscillating in the vacuum lattice or derived as real SM particles.



A= The End of Time of the former multiverse.

All SM (Standard Model) particles equipped with internal pressurized tension are located inside the Big Crunch Black Hole Nucleus, compressed by the decreasing- pressure and number of the oscillating Higgs /Casimir vacuum particles, with the Big Bang explosion as result.

B= The beginning of Time and expansion by Big Crunch/ Big Bang Nucleus splitting into primordial BHs into a fractal shaped Lyman Alpha forest, the start of pairing and plasma forming dual Herbig Haro BH hotspots with bullet stars in between, forming galaxies by a fast Super Nova proces. Primordial BHs partly evaporate into the Dark Energy Higgs field.

C= The start of the Multiverse vacuum contraction due to vacuum absorption by the growing numbers of dark matter (Supernova) black holes.

The HUBBLE REDSHIFT is supposed to be A SIDE EFFECT of proliferated dark matter black holes of various sizes ABSORBING and DILUTING the Higgs vacuum lattice, the origin of local variable PLANCK lengths and LIGHTSPEED.

Examples are (star)-sunspot BHs- Cometary nuclear BHs, DUAL Herbig Haro BHs as presursors of SABHs and GABHs (Stellar- or Galaxy Anchor BHs).

D= The total number of particles during the cyclic process is constant!

According to the Quantum Function Follows Form model.

See: <https://tudelft.academia.edu/LeoVuyk/Papers>

Figure 24,

Description of figure 24.

A= The End of Time of the former multiverse.

All SM (StandardModel) particles equipped with internal pressurized tension are located inside the Big Crunch Black Hole Nucleus, compressed by the decreasing- pressure and number of the oscillating Higgs /Casimir vacuum particles, with the Big Bang explosion as result.

B= The beginning of Time and expansion by Big Crunch/ Big Bang Nucleus splitting into primordial BHs into a fractal shaped Lyman Alpha forest, the start of pairing and plasma forming dual Herbig Haro BH hotspots with bullet stars in between, forming galaxies by a fast Super Nova proces. Primordial BHs partly evaporate into the Dark Energy Higgs field.

C= The start of the Multiverse vacuum contraction due to vacuum absorbtion by the growing numbers of dark matter (Supernova) black holes.

The HUBBLE REDSHIFT is supposed to be A SIDE EFFECT of proliferated dark matter black holes of various sizes ABSORBING and DILUTING the Higgs vacuum lattice, the origin of local variable PLANCK lengths and LIGHTSPEED.

Examples are (star-)sunspot BHs– Cometary nuclear BHs, DUAL Herbig Haro BHs as presursors of SABHs and GABHs (Stellar- or Galaxy Anchor BHs).

D= The total number of particles during the cyclic process is constant!

According to the Quantum Function Follows Form model.

See: <https://tudelft.academia.edu/LeoVuyk/Papers>

=====

A new class of Quasisoft X-ray sources found around elliptical and spiral galaxies. According to Quantum FFF theory, these sources should be the tell tales of the creator black holes of the universe and the Lyman Alpha forest distribution of galaxies. However they also could be the future executioner of the universe. (photos: Chandra /Harvard)

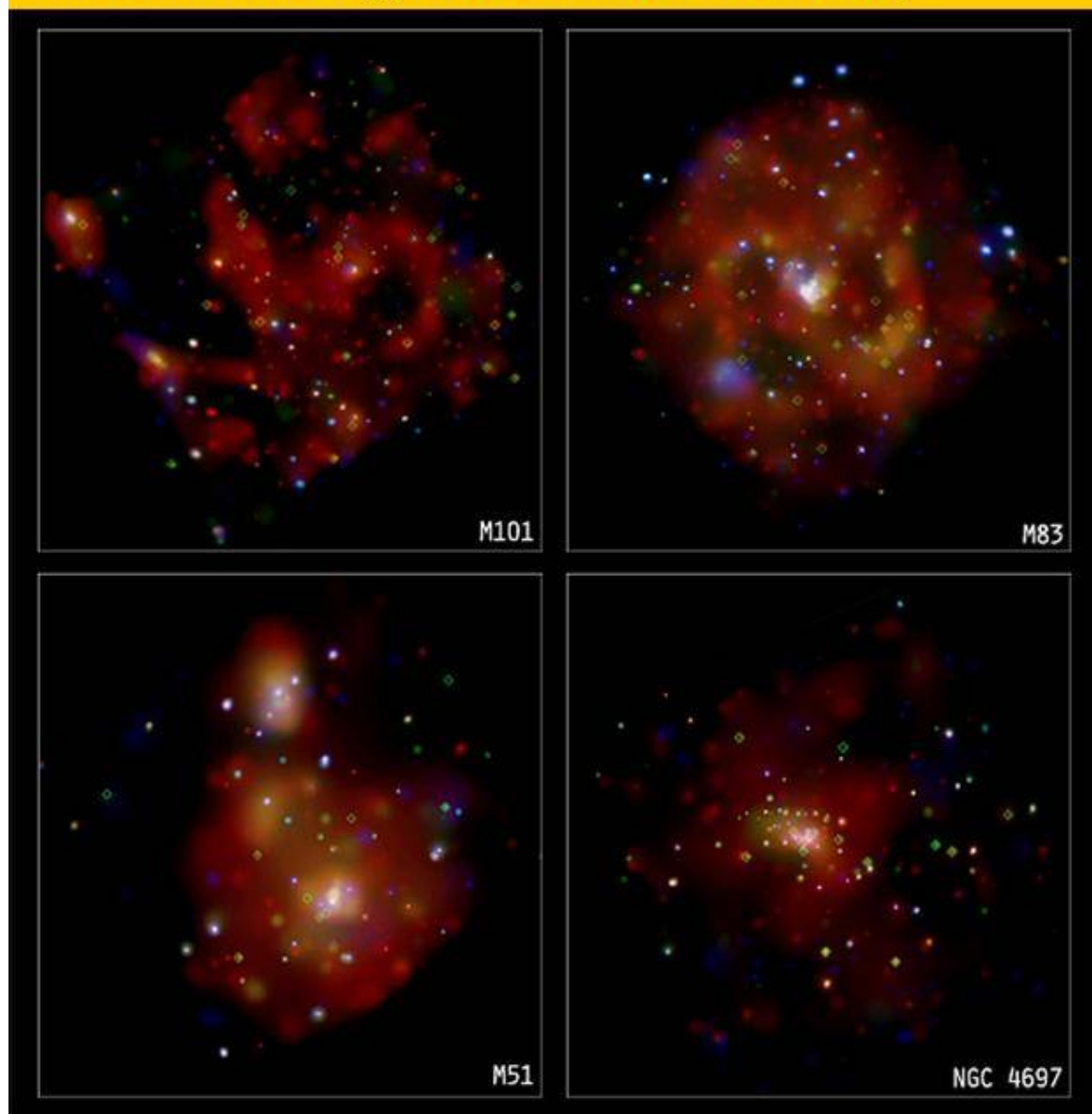
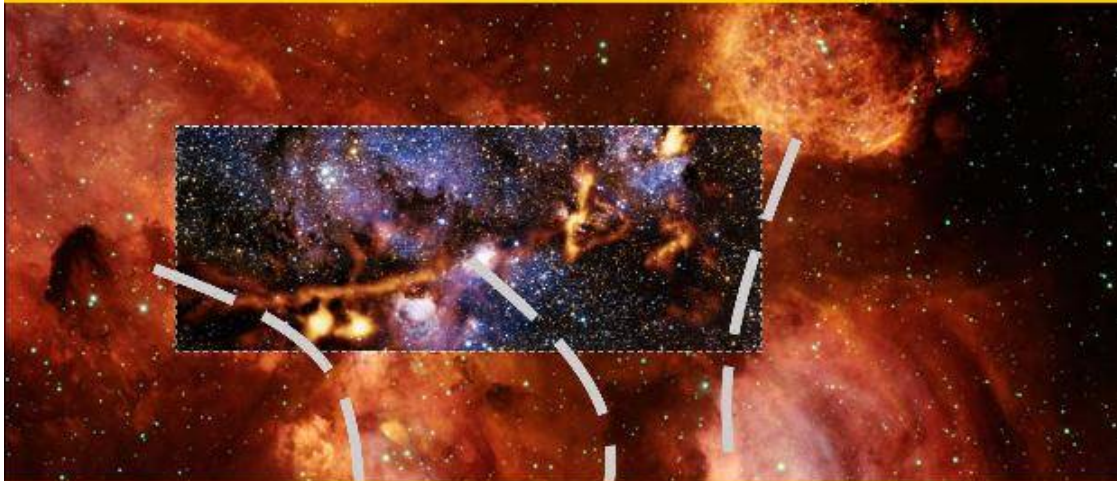


Figure 25.

Birkeland Alfvén current circuits are responsible for magnetic fields inside Herbig Haro star forming systems according to Quantum FFF Theory. Here, the Cat's Paw Nebula, made by Spitzer Space Telescope. The magnetic fields influence star formation on a variety of scales, from hundreds of light-years down to a fraction of a light-year. The large gas globules are supposed to harbor the main Electric Dark Matter Black Holes.



Dual electric Dark Matter Black Holes are the origin of gas creation, concentrated by electric currents and magnetic fields of Herbig Haro systems.

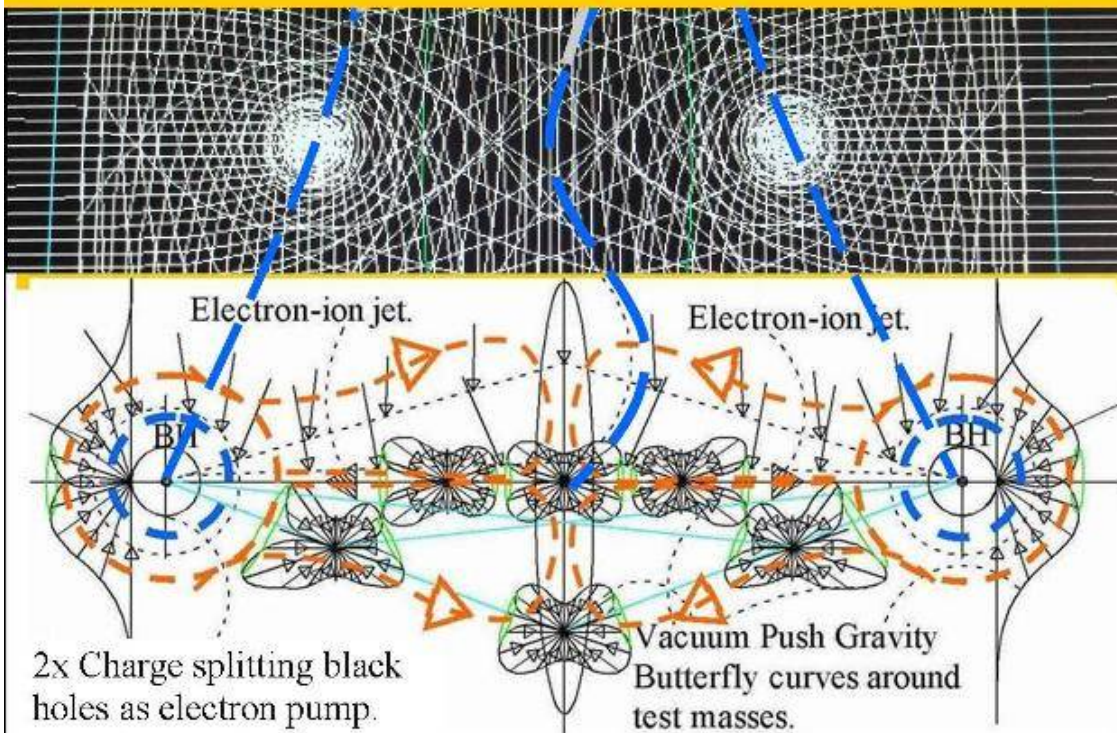
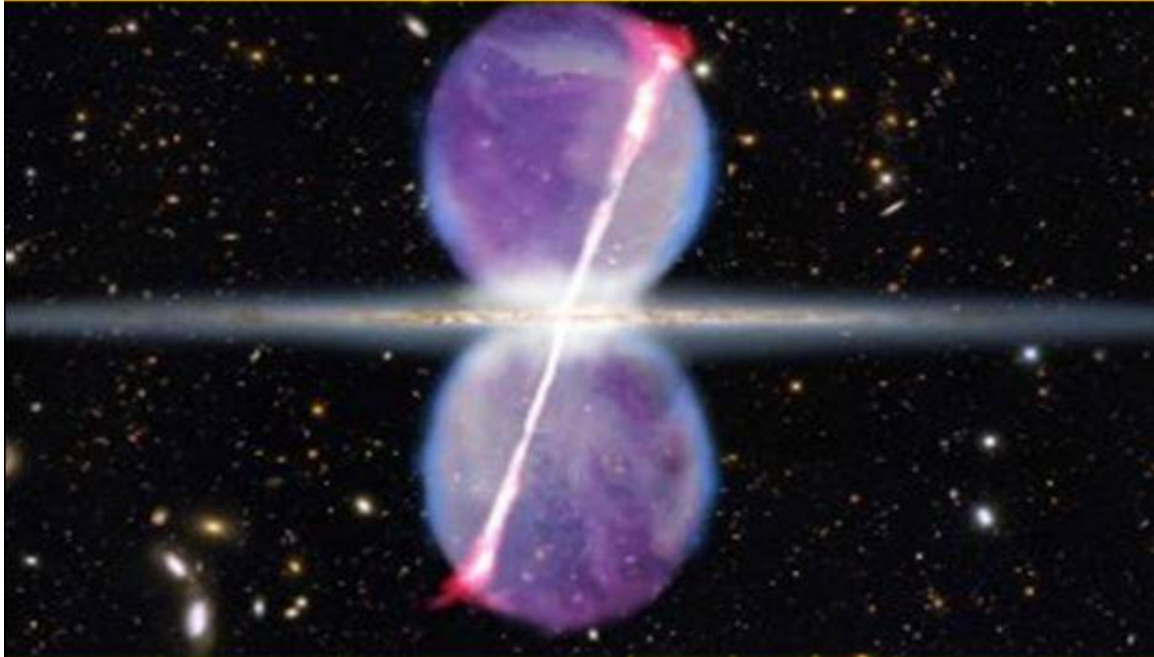


Figure 26.

Galaxy Anchor Black Holes (GABHs) are supposed to be the centers of Dwarf spheroidal star clusters located in- and around the Milky Way according to Quantum FFF-theory. A recent detected 27.000 light-year long remnant x-ray jet is the tell tale of a primordial HH system.



Below: Merging spiral galaxies with dual Herbig Haro object (Black Hole) systems, original connected by x-ray jets between multiple Electric Dark Matter Black Holes.

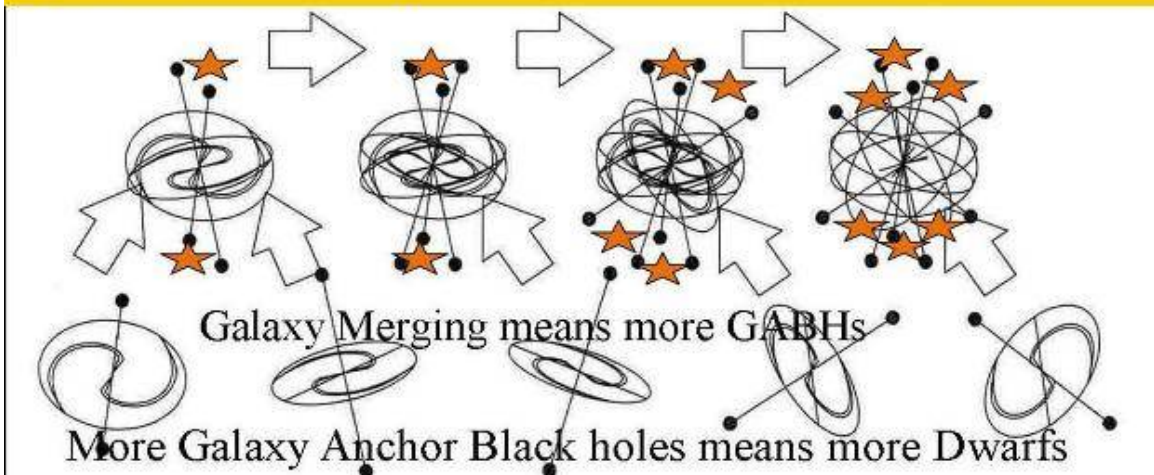
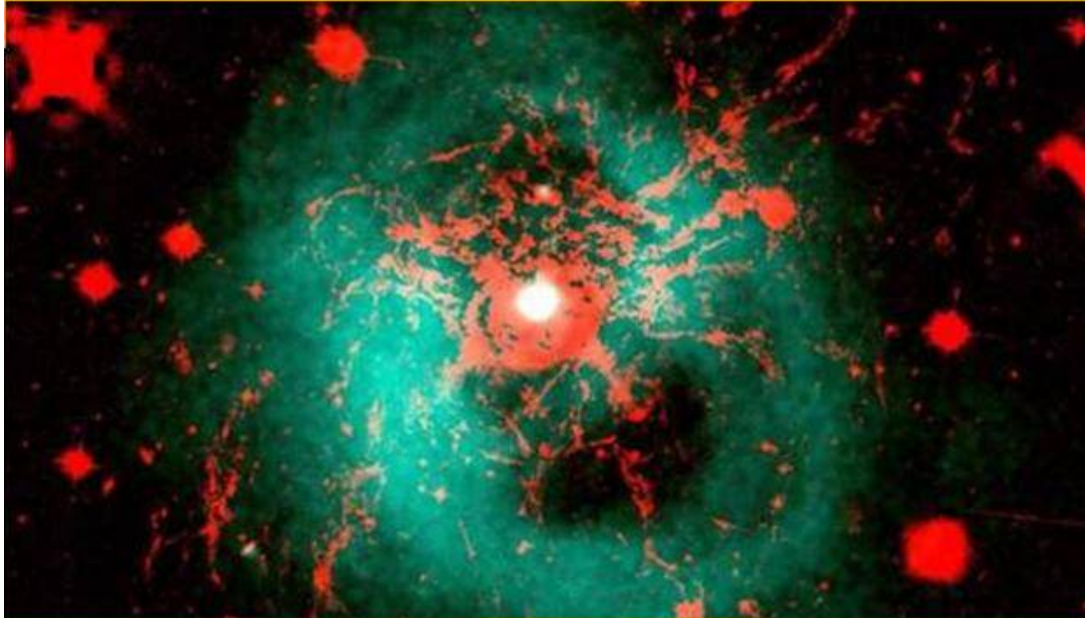


Figure 27.

Elliptical NGC 1275 with red colored linear xray jet structure between dual Galaxy Anchor Black Holes (GABHs: Former Herbig Haro Objects) according to Quantum FFF Theory.



Below: Merging spiral galaxies with dual Black Hole systems, (former HH objects) become ellipticals like NGC 1275, with multiple Electric Dark Matter Black Holes

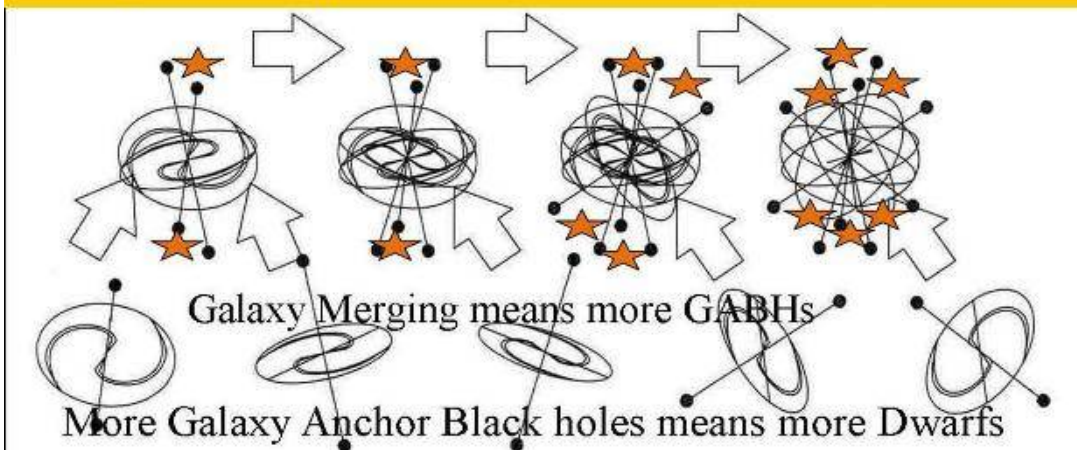
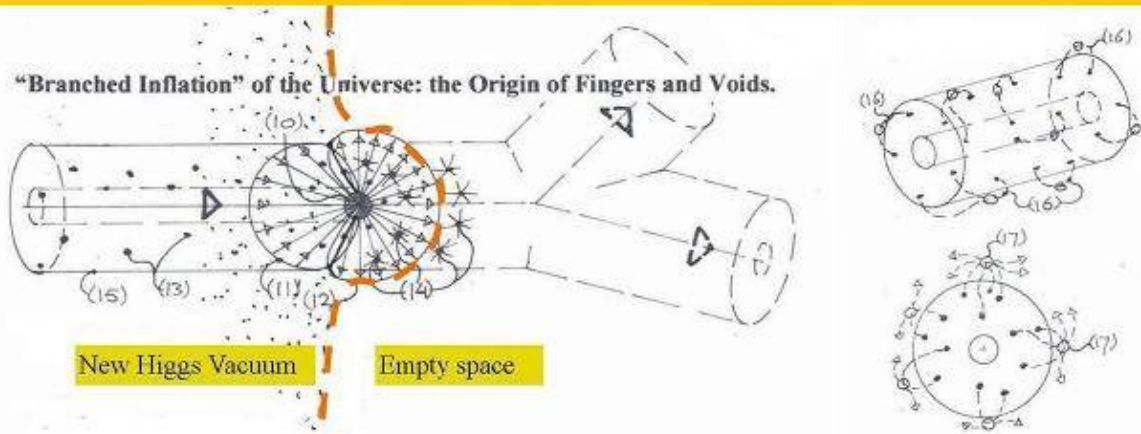


Figure 28.

How massive galaxy clusters are formed in the early Universe. According to Quantum FFF theory, the Big Bang process is the result of a fractal shaped splitting and evaporating BB dark matter black hole process creating the Lyman Alpha structure of galaxy distribution. By the evaporation of BB "splinters" (14) the oscillating Higgs field vacuum is created by the so called "Branched inflation". Retarded Black hole splinters (13) do not evaporate by Higgs vacuum pressure, but create plasma "tails" pushing them away from the center of gravity in search for a partner to form a Herbig Haro system.(16,17)



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)

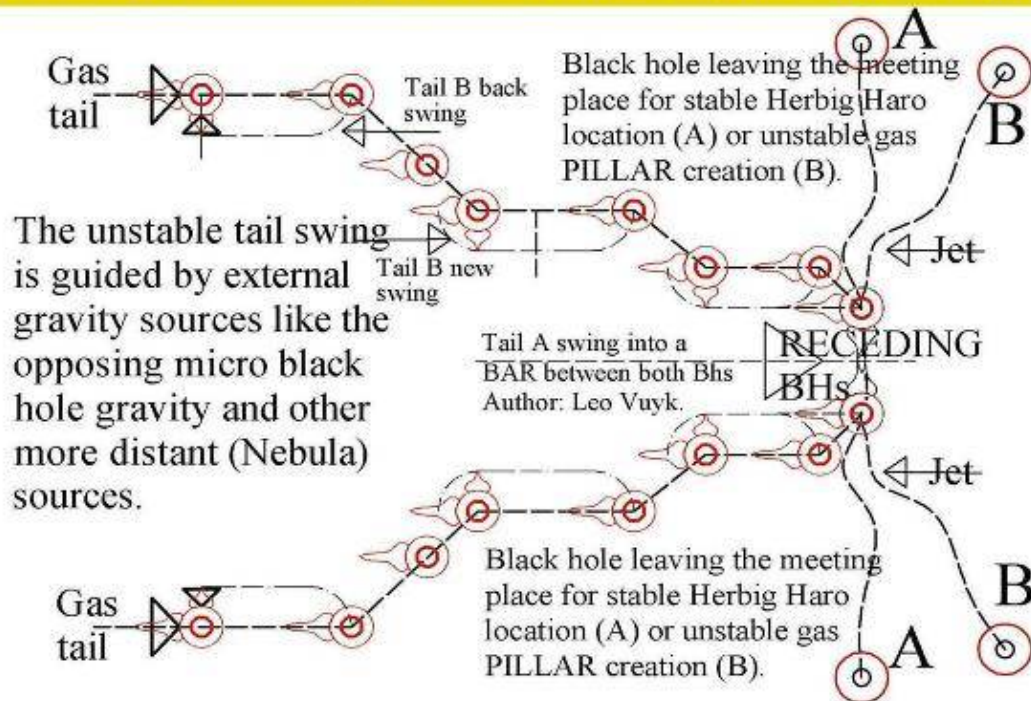
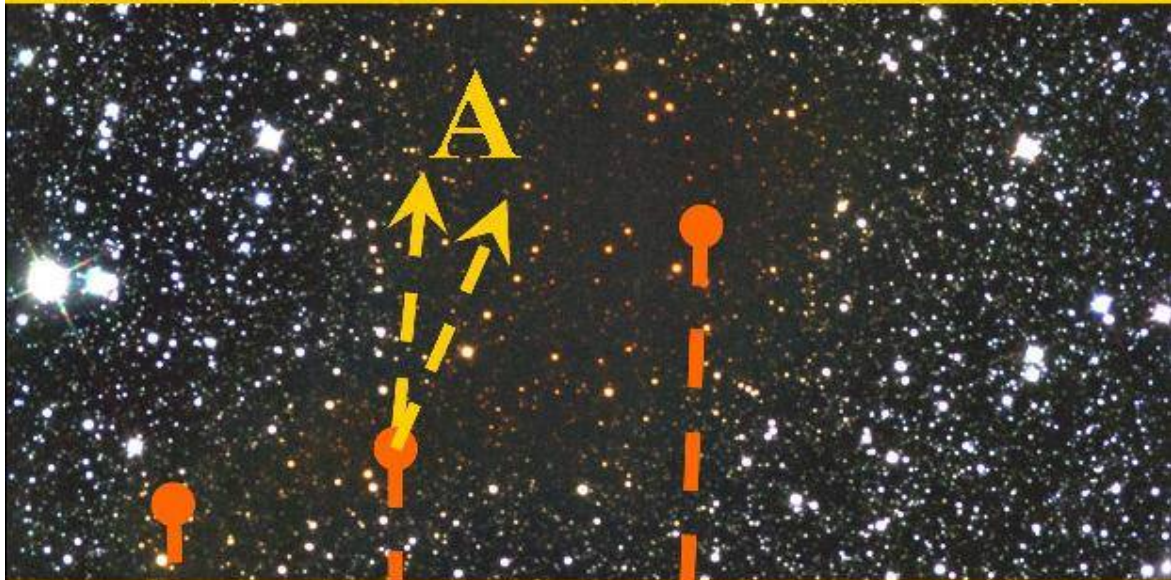


Figure 29.

Bok Nebula ESO 9934 with indication for a Micro-Herbig Haro dual BH system inside. According to Quantum FFF Theory.



Two aligned stellar alike strings (A) starting from the central white hole (B) located between the Herbig haro Black Holes (C)

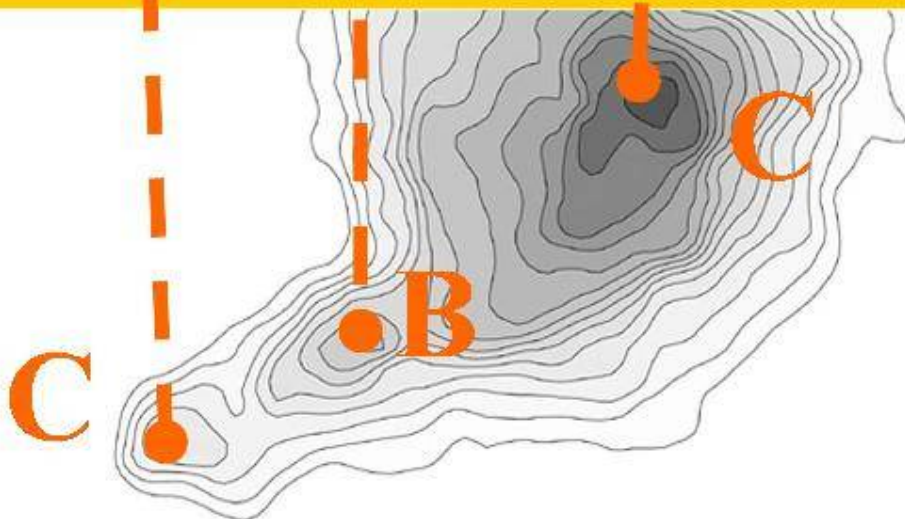


Figure 30.

Bok Nebula ESO 9934 IR image with newborn failed star globules in string line?



ESO 9934 is thought to have no stars. What we see in IR are thought to be background stars reddened by foreground dust. However, the stellar string lines could be an indication of Stellar Anchor Black Hole (SABH) locations due to gravity pull on newly formed failed stars coming out of the “mother” white hole location, according to Quantum FFF theory.

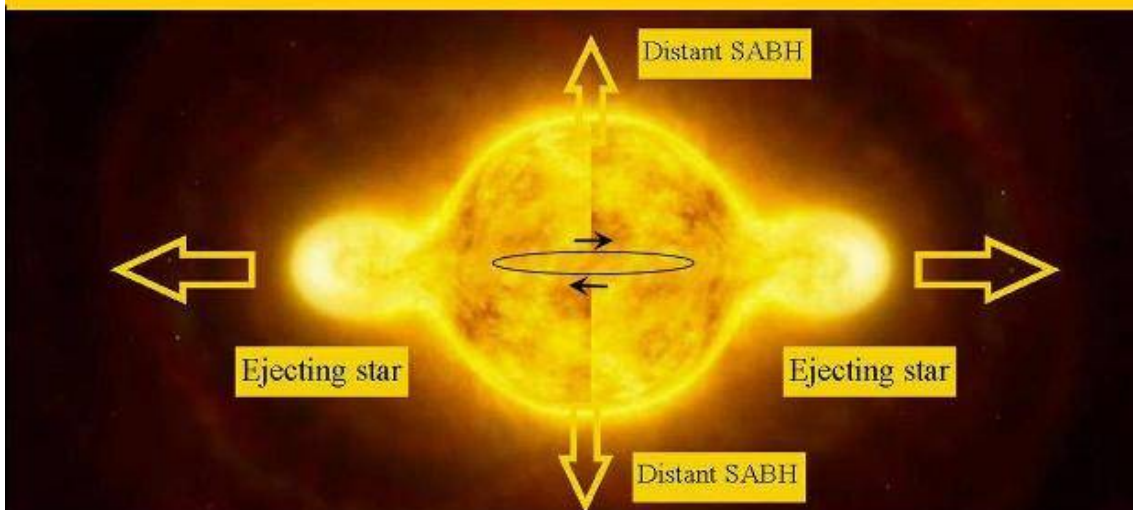


Figure 31.

The Contracting Universe.

Diluted Higgs field Lattice structure (pink) with current circuits between two Dark Matter Black Hole based Galaxy Clusters (blue), merging in the future! According to Quantum FFF Theory.

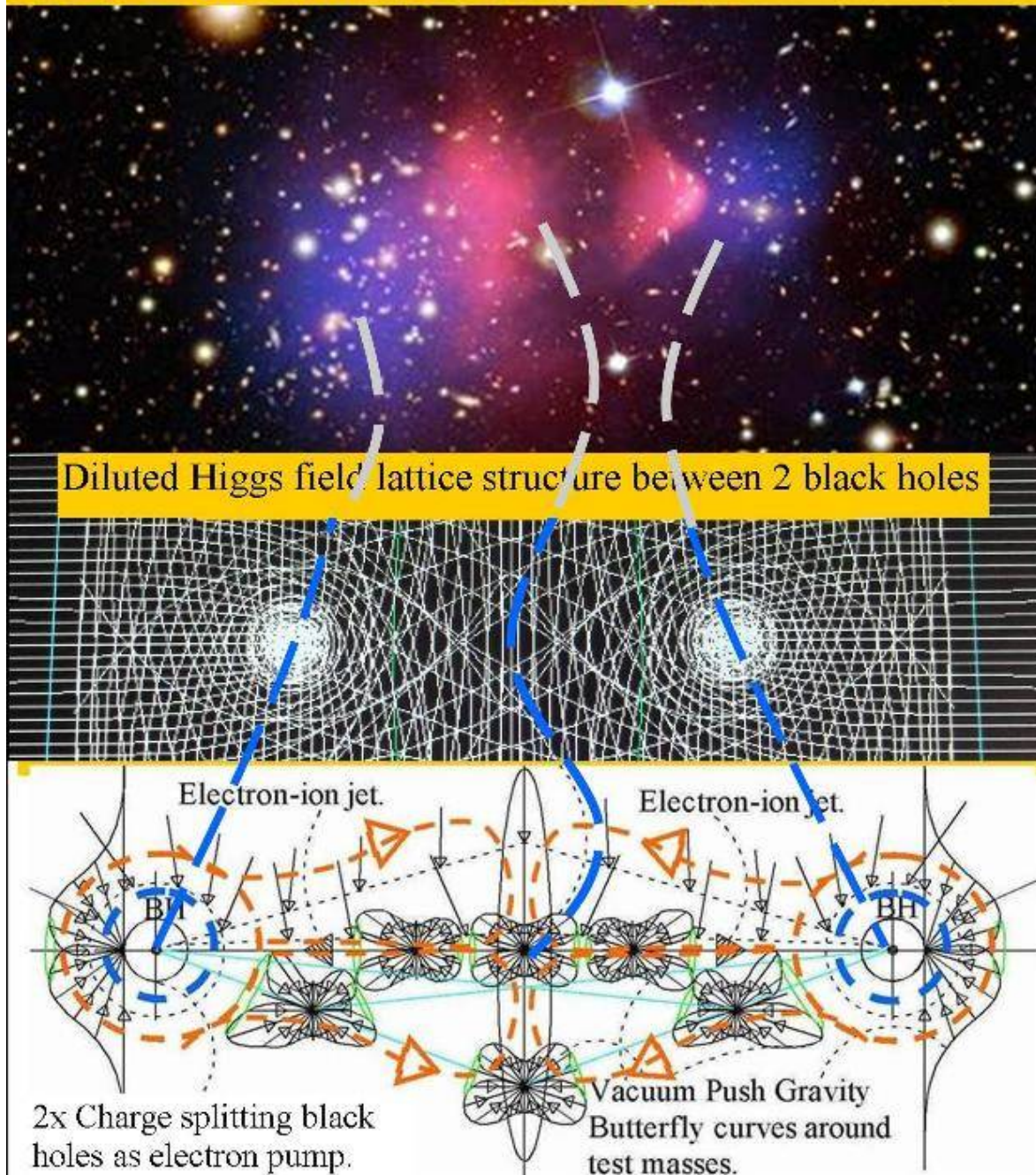
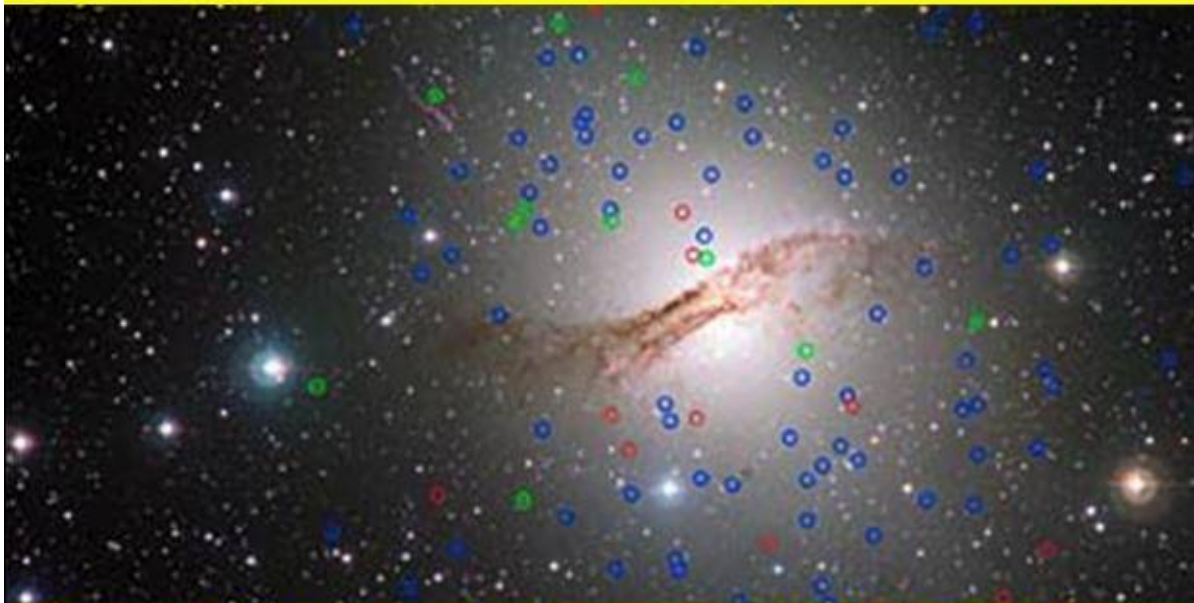


Figure 32.

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



Below: Merging spiral galaxies with dual Herbig Haro object (Black Hole) systems, original connected by x-ray jets between multiple Electric Dark Matter Black Holes.

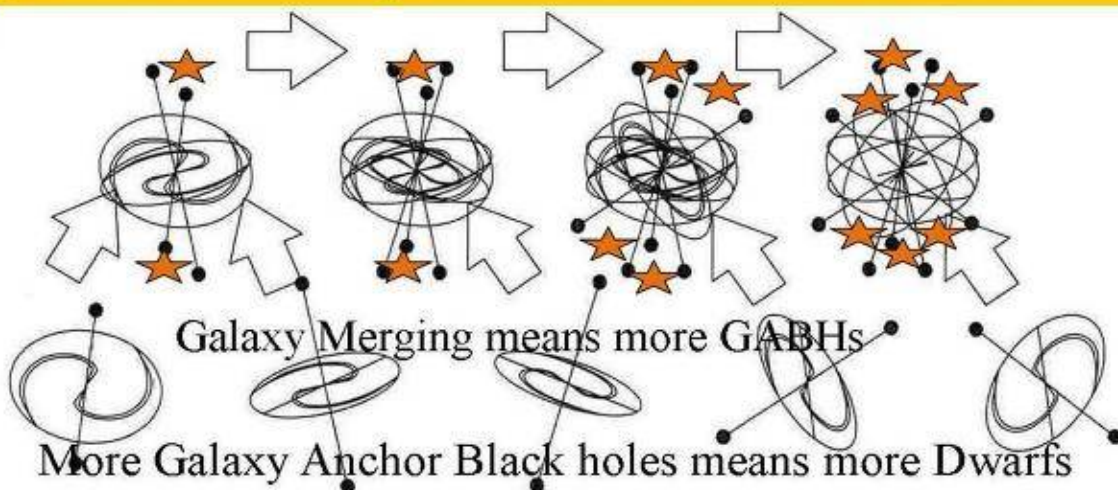
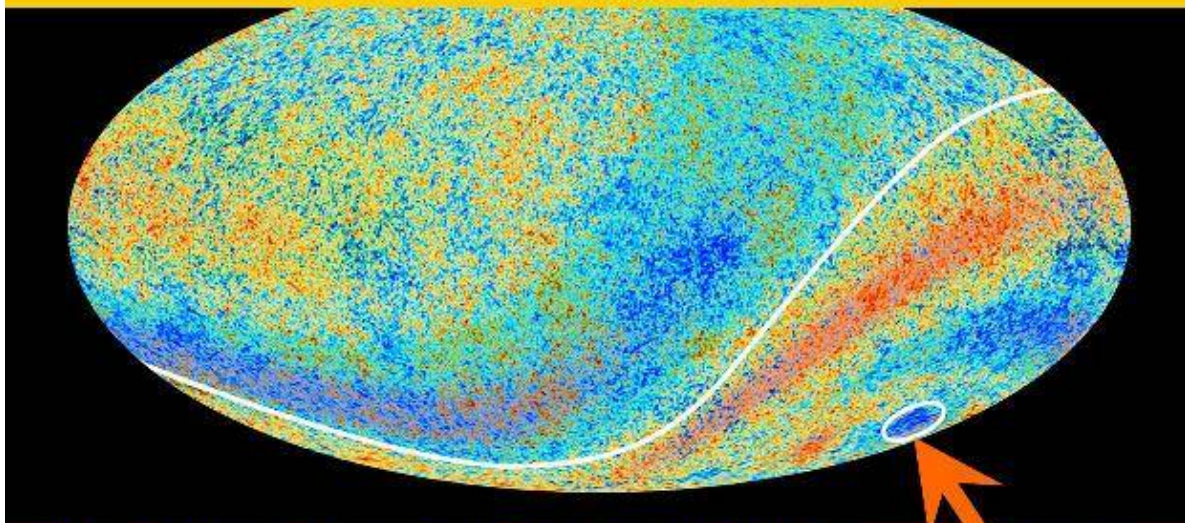


Figure 33.

Cold Spot aligned with Super Void a fingerprint of the Fractal Multiverse?

The nearby supervoid and its expected effect on the CMB (far away) do not fully explain the Cold Spot, it is very unlikely that the supervoid and the Cold Spot at the same location are a coincidence. Sciencedaily april 20 2015. According to Quantum FFF model:we live in the center?



Below, the "bushy" Lyman fractal structure with Cold Spot (open arrow) and Near Supervoid as the axis center (full arrow) of our fractal universe. Suggestion: the sun location is right at the center of our material universe.

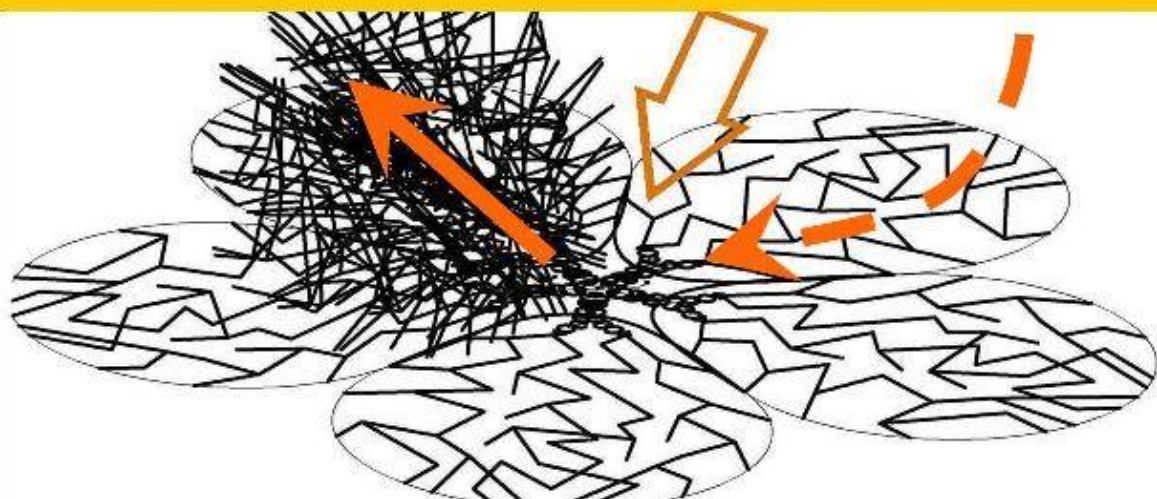


Figure 34.

Black hole hunters tackle a cosmic conundrum.

According to Quantum FFF Theory, there are NO primordial BHs in galaxy centers only "merger BHs" Primordial BHs are located outside galaxies and sometimes related to Dwarf galaxies.

Galaxy dark matter black hole hierarchy is the tell tale of dying galaxies equipped with growing central merger BHs. Primordial BHs are supposed to be the origin of fast gas production and star formation in the early universe also called Big Bang BH Splinters. (BBBHs) most acting in Herbig Haro tandem as Galaxy Anchor Black Holes (GABHs) . So the Henize 2-10 dwarf galaxy is a good example of a GABH. See: Science daily.april 2015.



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

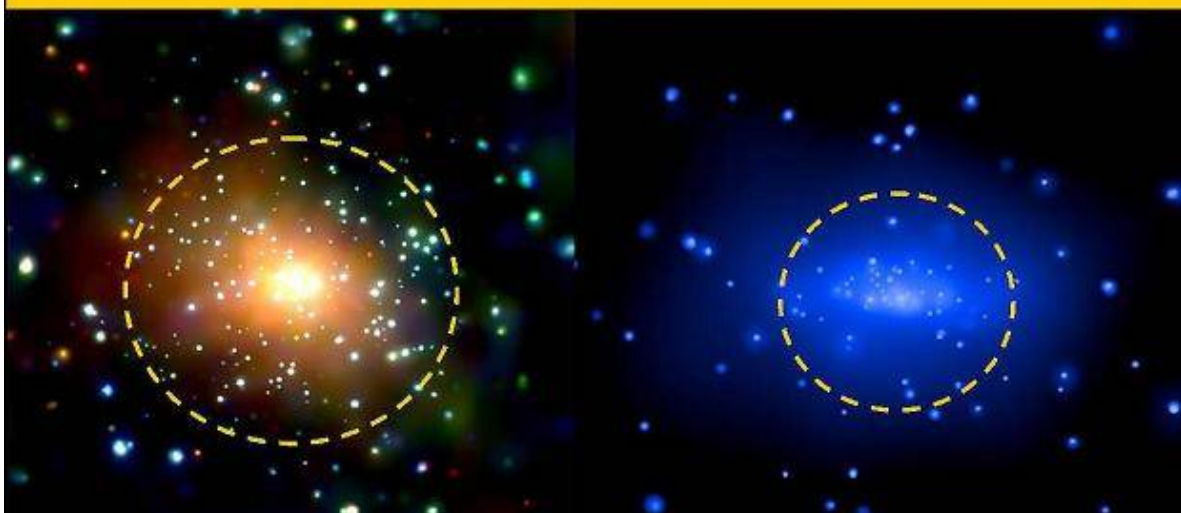
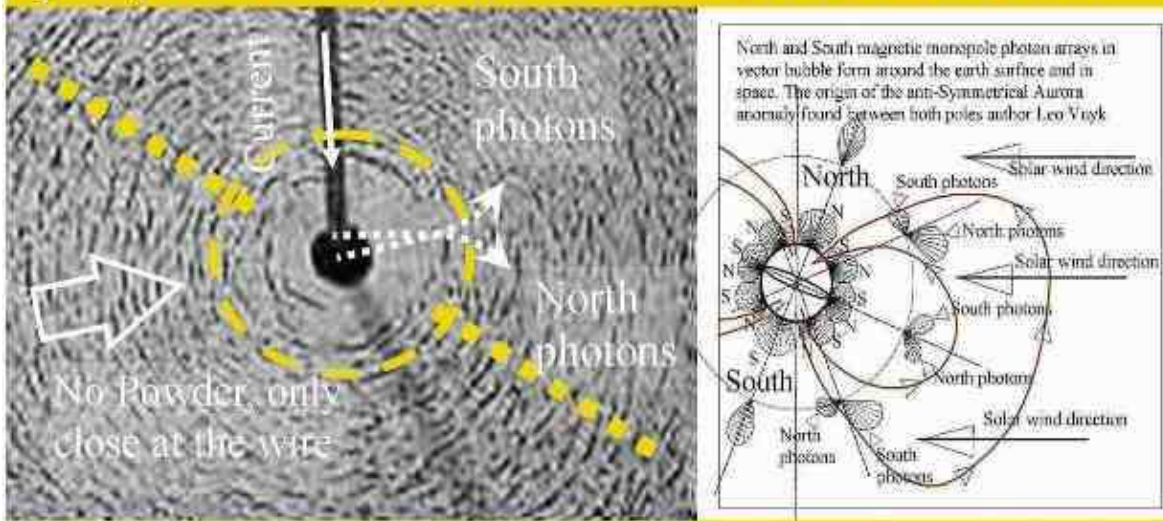
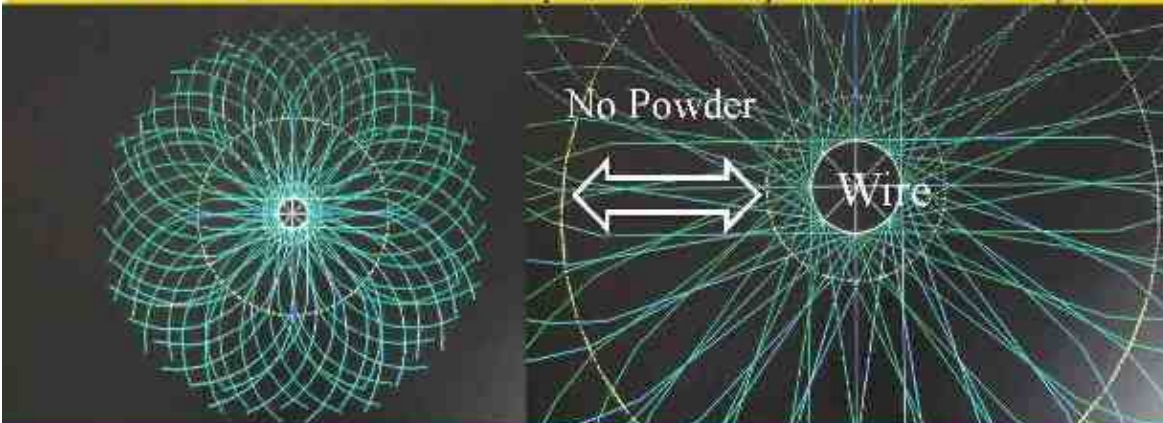


Figure 35.

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 DUAL Magnetic Monopole Photon Vector Arrays. These monopole arrays undergo curvature. As a result, the magnetic field intensity around the Earth and a wire is NOT dropping off with the square of the distance from the source!! The field become stronger polarized away from the source (See images). Close to the current transporting wire the magnetic field strength is zero due to the parallel trajectories of North and South Photons before curvature and polarisation of iron powder (Author: Leo Vuyk)



TWO (North and South) Monopole Photon trajectories around a current in a wire shown in cross section. Between the two yellow circles both (N+S) trajectories are pointing about parallel. The result: No iron Powder orientation between the concentric circles, as is observed in the lab (see upper photo). This is a firm support for the monopole photon vector array element of Quantum FFF Theory.

Figure 36.

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

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

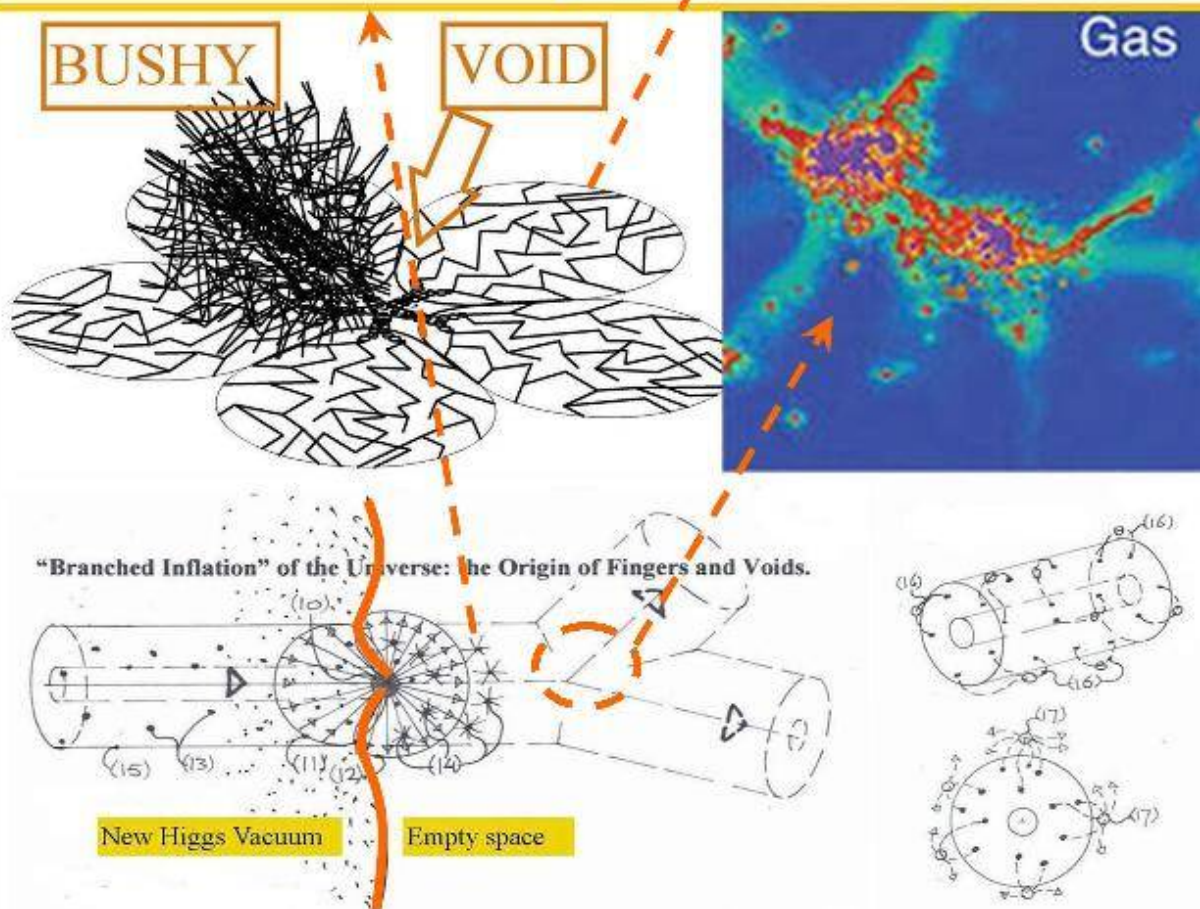
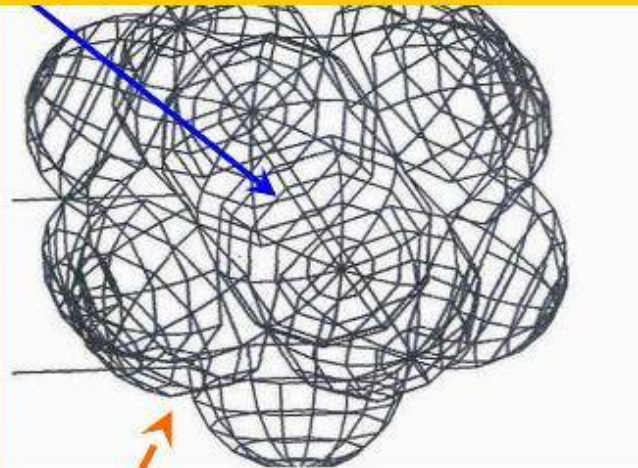


Figure 37.

3x different nebulas found around exploding stars and 2x different Gamma Ray Bursts (GRBs). According to Quantum FFF Theory, it could be explained by the existence of dual Stellar Anchor Black Holes (SABHs) in combination with the mass of the exploding star.



Dual SABHs (see B+C) are supposed to be former Herbig Haro objects observed at the start of open star clusters and successive dual star production by growing star mass instability. These stars are leaving the place without SABHs (often as binary: A) as depicted below.

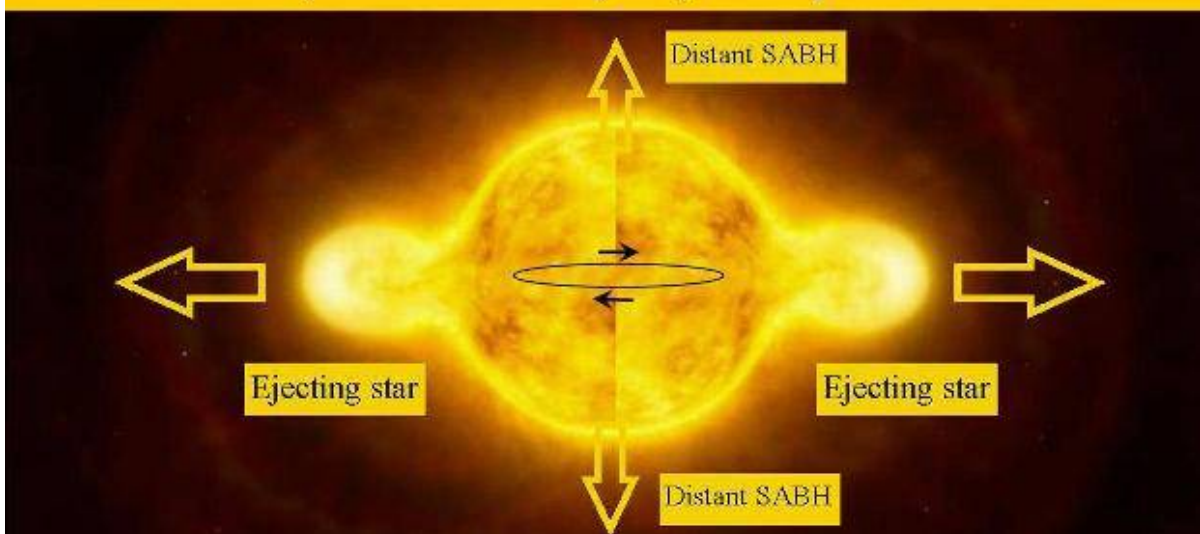
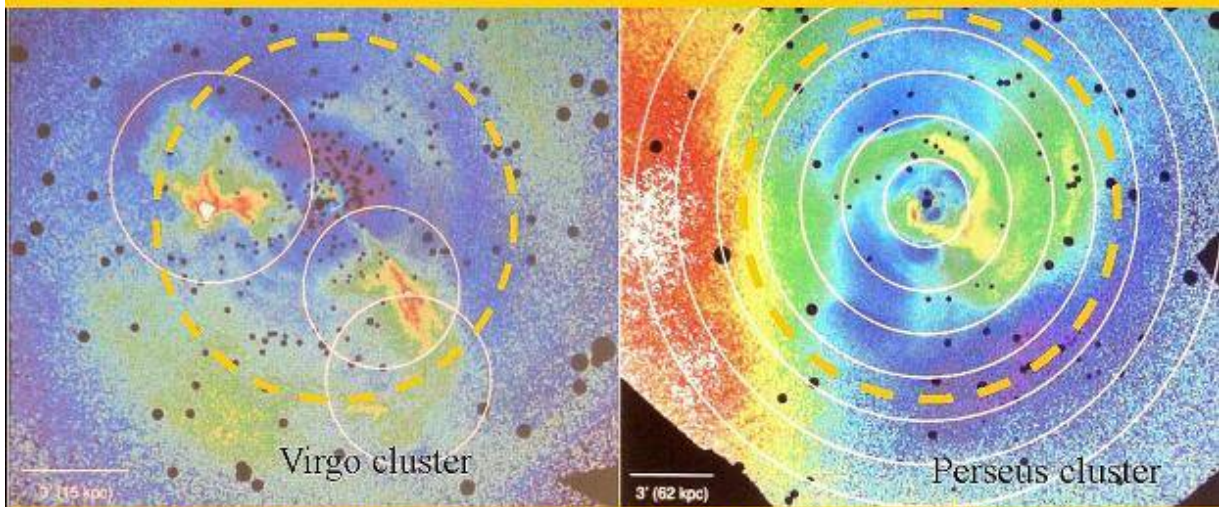


Figure 38.

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

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



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

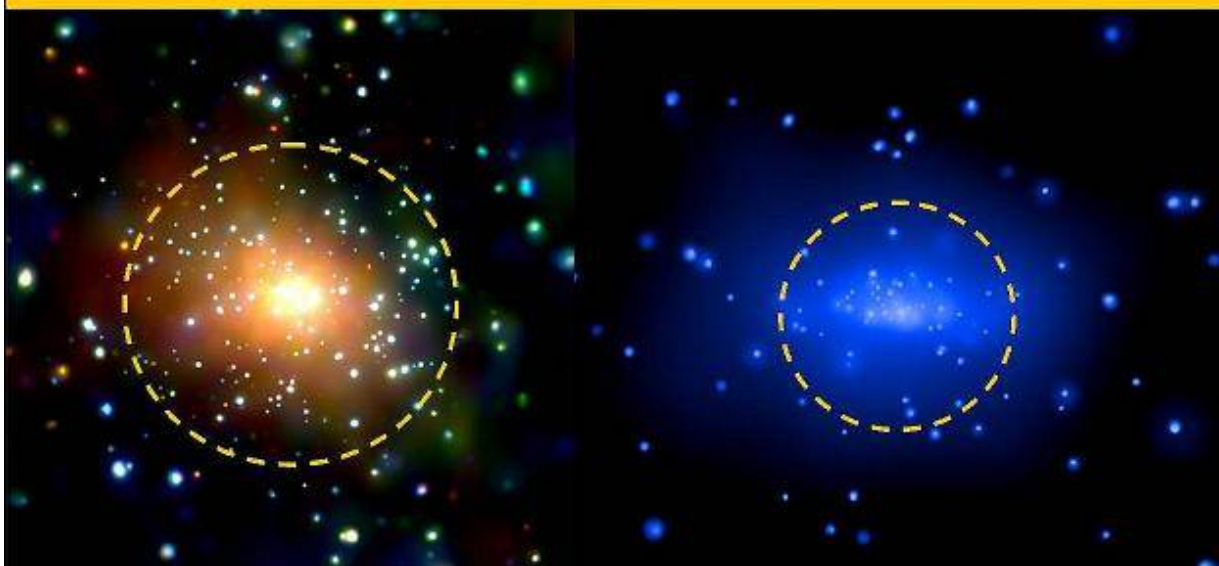


Figure 39.

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.

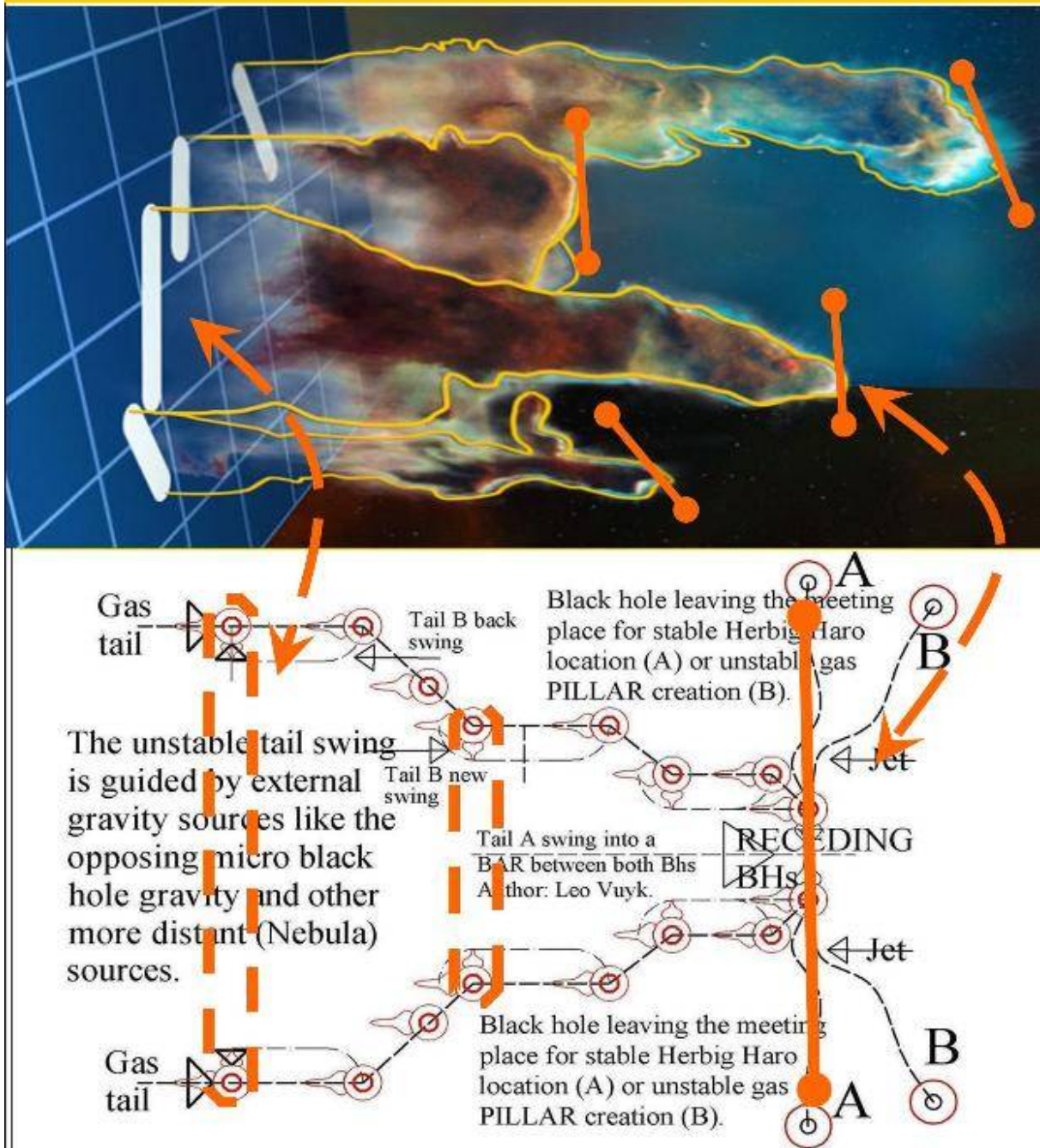


Figure 40.

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

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

LOO-LOL-LOU-LOR—ROL-UOL-LOL-OOL
LLO-LLL-LLU-LLR—RLL-ULL-LLL-OLL
LUO-LUL-LUU-LUR—RUL-UUL-LUL-OUL
LRO-LRI-LRU-LRR—RRI-URI-LRI-ORI

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

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

Electron: ORO.
 Positron: OLO.
 Majorana: OUO

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

HINGE ROTATIONS

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

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

OLO-ORO-OUO. Calabi Yau rotation result.

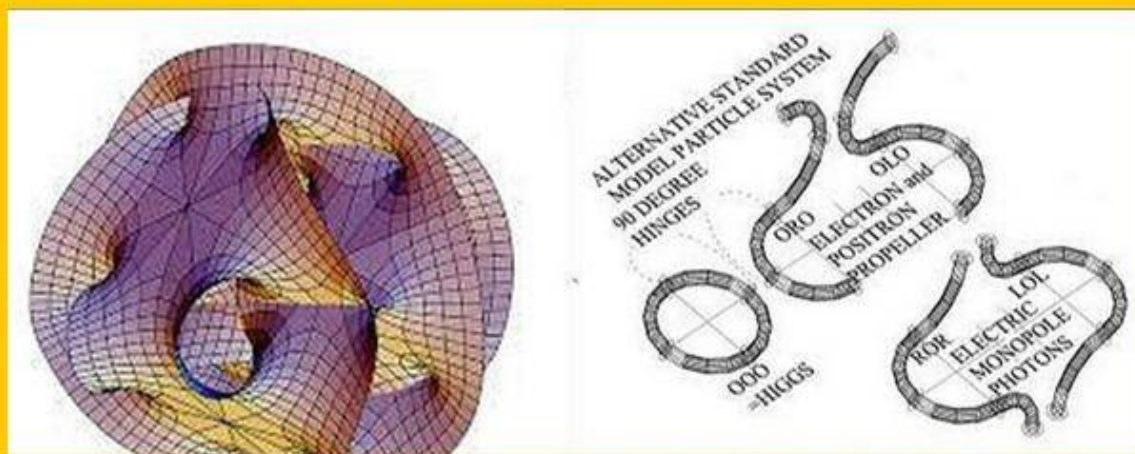


Figure 41.

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