

The Origin of Bok Globules and Molecular Clouds, Splitting and Pairing Electric Dark Matter Black Holes.

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Abstract,

According to Quantum FFF (Function Follows Form) Theory, all star forming molecular clouds are the result of one or more Herbig Haro systems, equipped with so called dual hotspots which are assumed to be the result of dual new physics “electric dark matter black holes”.

Bok globules are small dark clouds of dense cosmic dust and gas in which star formation only seldom takes place.

Recently some Bok globules are found with dual and triple density distributions indicating that small Herbig Haro systems could also here be the origin of cloud formation.

One of them (ESO 9934) seems to be responsible for fast Infra Red globule production instead of real stars. These globules discriminate themselves by showing two regular alignments of 5-7 globules. The two rows of globules show a V- shape, pointing to the centre of the small Herbig Haro system.

Introduction.

According to Quantum FFF Theory, (Function Follows Form) the Big Bang can be described as the explosion of its giant Dark Matter Black Hole nucleus which is assumed to contain all the particles and smaller black hole nuclei of our current multiverse. (fig.1-2-3)

The smaller exploded black hole splinters are assumed to be responsible for the fractal structure of the universe by splitting further into smaller nuclei to pair and form huge primordial Herbig Haro systems with star and later galaxy formation in the middle between the stable paired hotspot black holes.

After supernova explosions of these large early giant stars, new black holes are formed which are also able to form smaller dual Herbig Haro systems with smaller star formation in between as a start for the internal structure of the spiral galaxy.

At the same time such a splitting and pairing process is assumed to happen at all scales in the current universe even down to molecular clouds and now also Bok globules.

The origin of those small Herbig Haro dual black hole systems is assumed to be the result of proliferation of Star spot black holes inside all sorts of nebula., as observed in the Helix nebula (figure 8.) .

Comets and micro Comets are supposed to be the result of interference black holes produced at the solar surface by magnetic interference (ref. 54) or above thunderclouds called Sprites. (ref.11).

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).

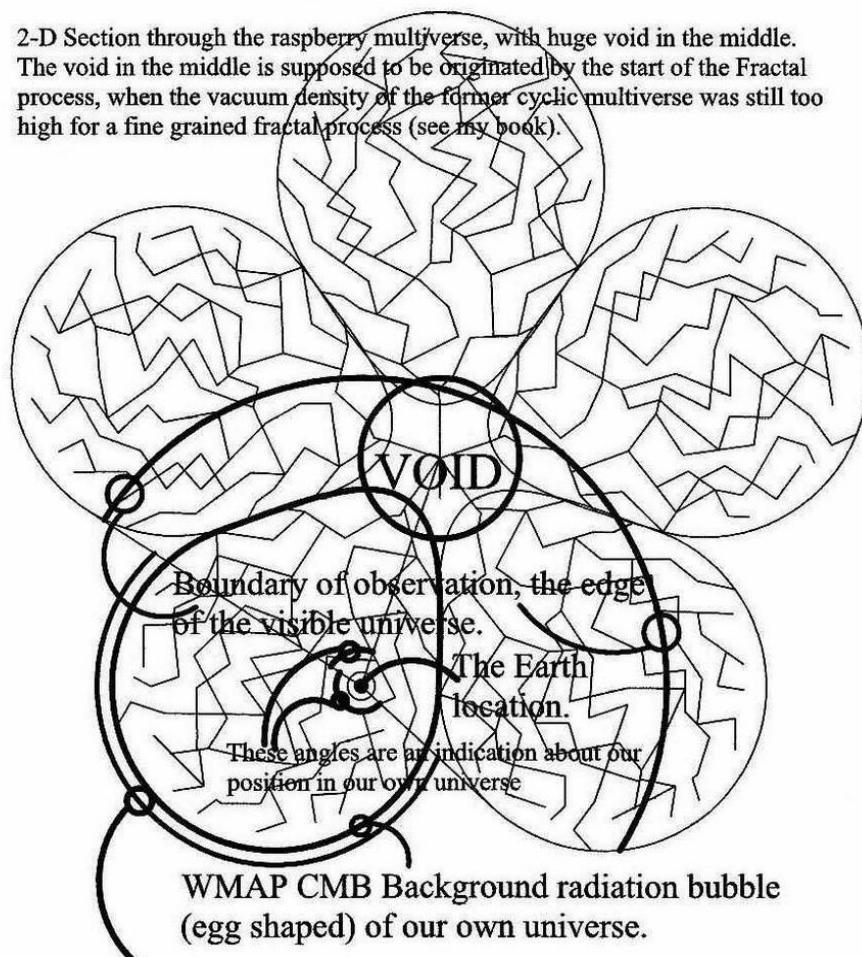


Figure 1 Cross section through a raspberry multiverse with indication for the Lyman Alpha forest inside one egg shaped universe.

The Big crunch black hole splitting and pairing process is assumed to be the origin of a BUSHY structure of the matter distribution in our visible universe, which is known as the so called Lyman Alpha forest.

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 HH system formation. 17, Multiple HH system formation around the Higgs BH gravity funnel.

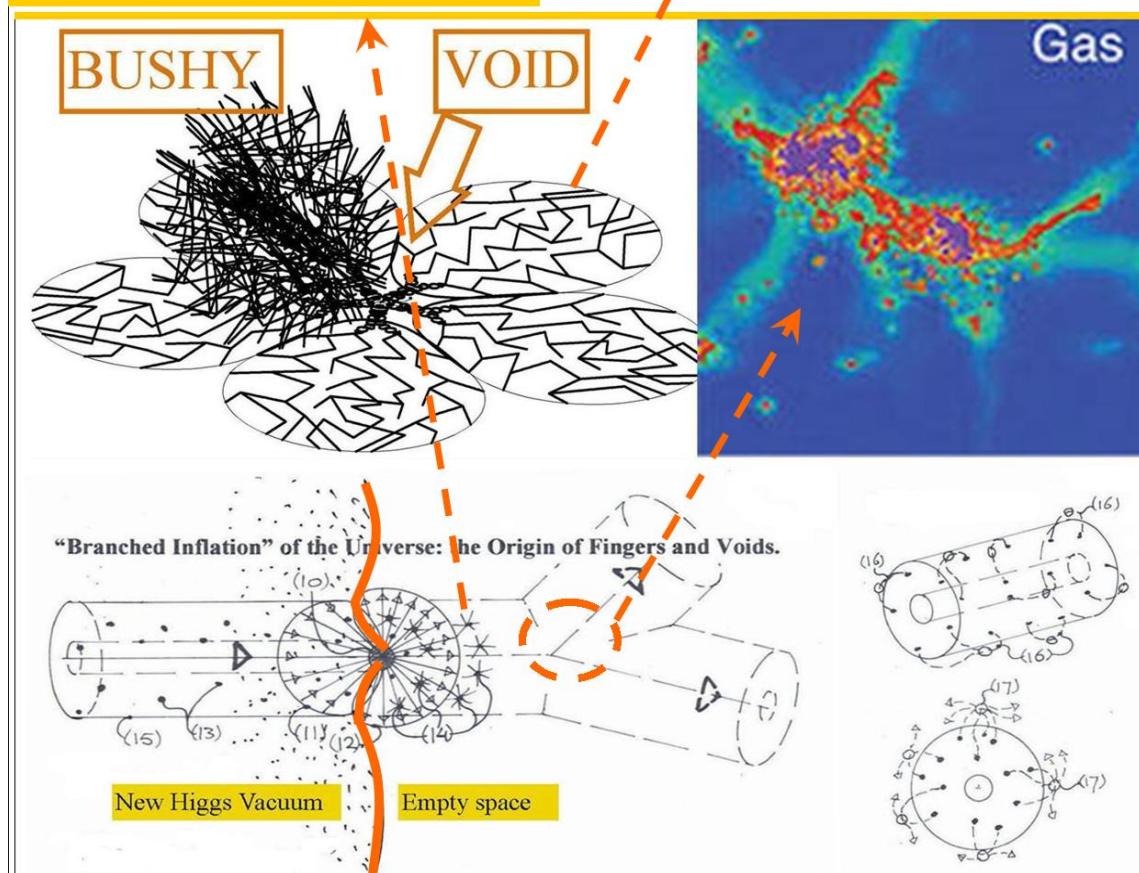
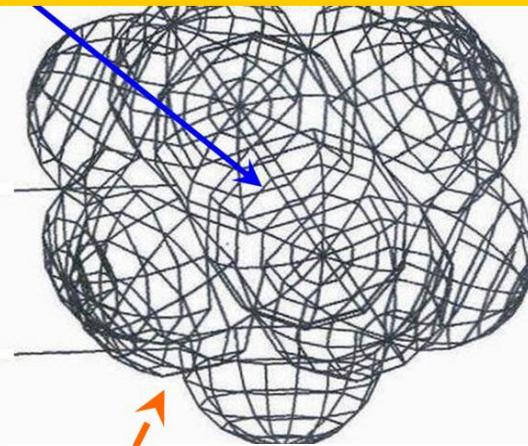
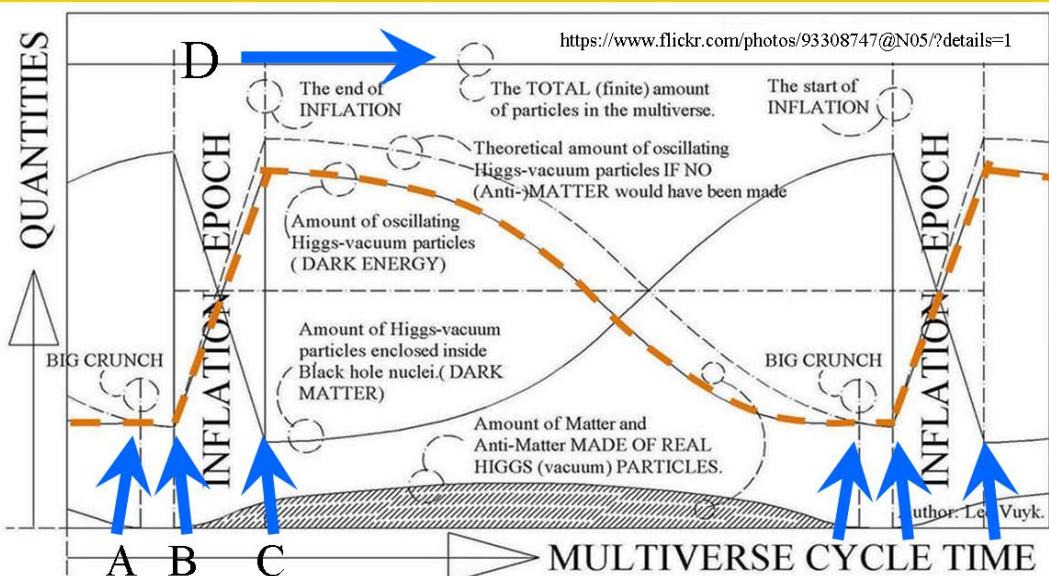


Figure 2. Splitting and pairing Big Bang splinter black holes are the origin of primordial star and Galaxy formation in combination with black hole evaporating into the Higgs vacuum.

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 (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).

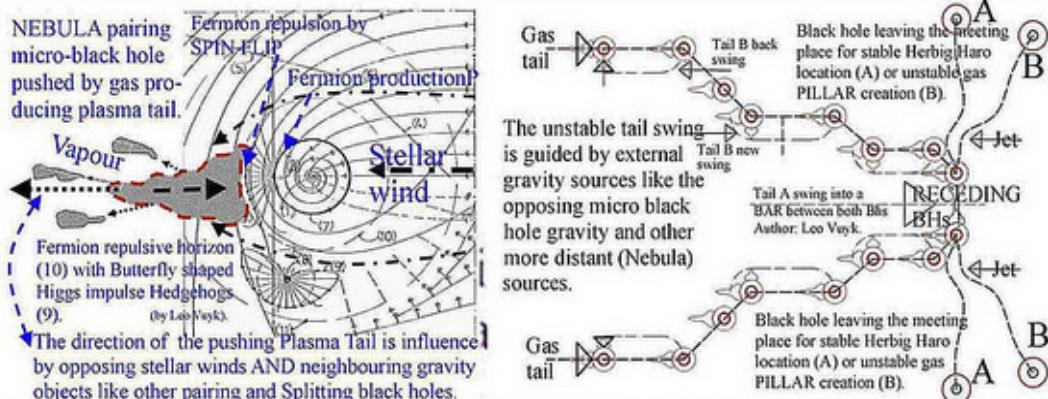
D= The total number of particles during the cyclic process is constant!

According to the Quantum Function Follows Form model.

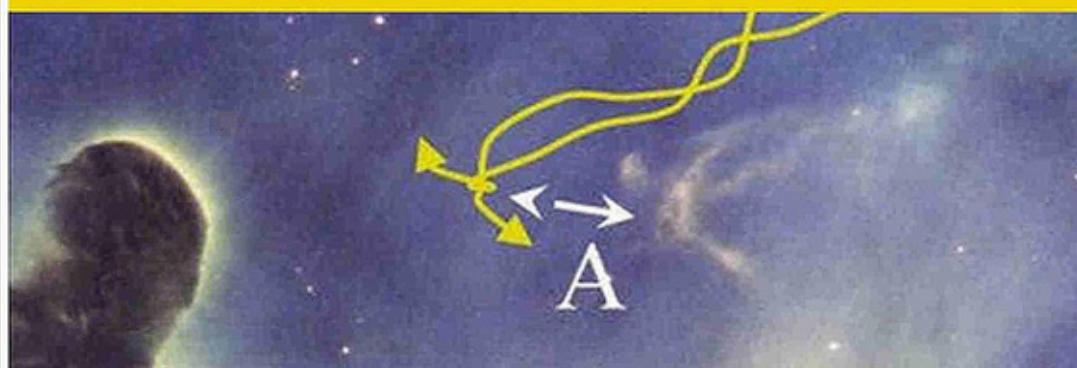
See: <https://tudelft.academia.edu/LeoVuyk/Papers>

Figure 3, The end and beginning of time.

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)



3C 234



4.3'

3C 28



1.3'

3C 382



3.5'x3.4'

Figure 4, Several examples of pairing and splitting black hole with the principle mechanisms at the top of the image.

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

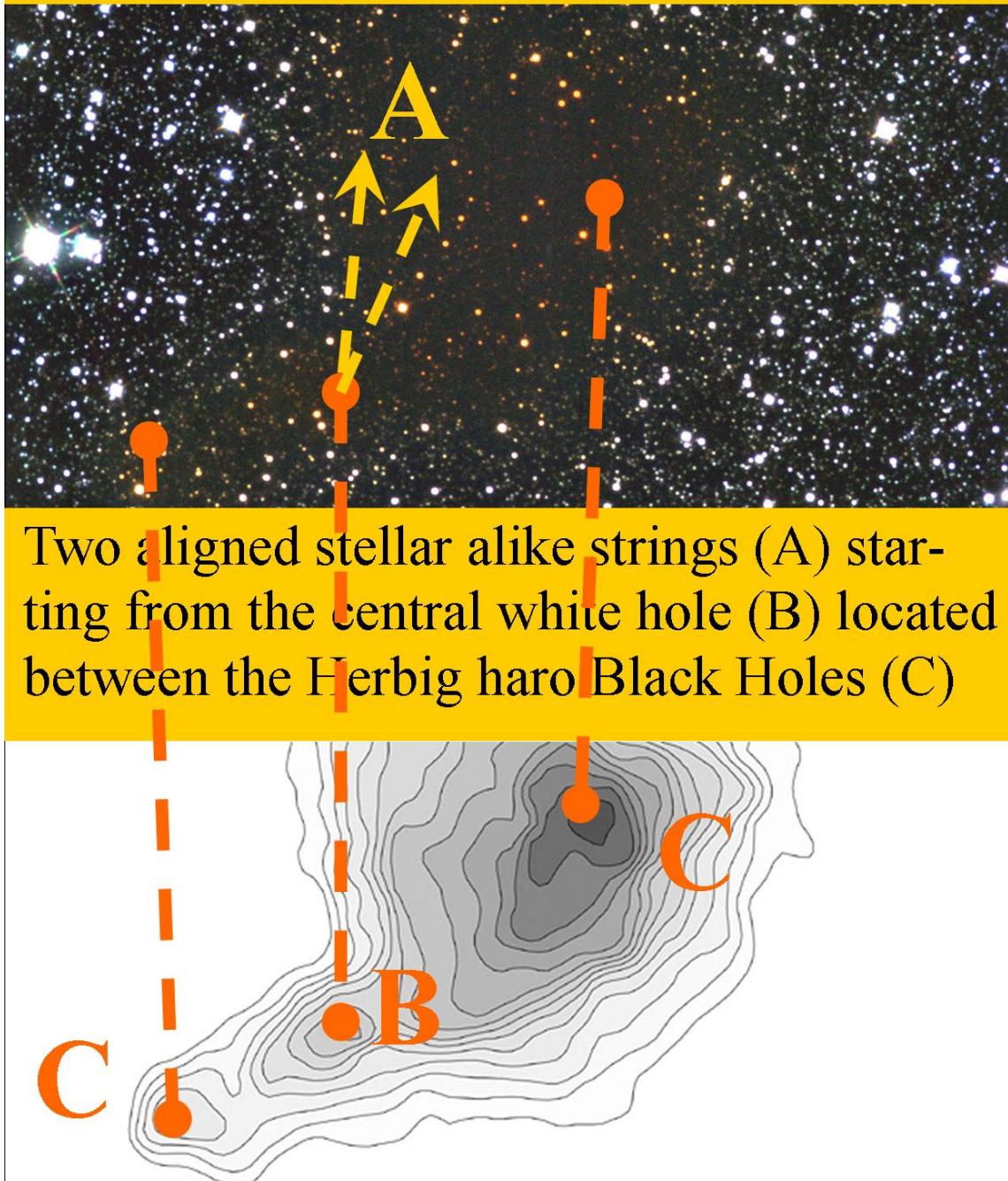
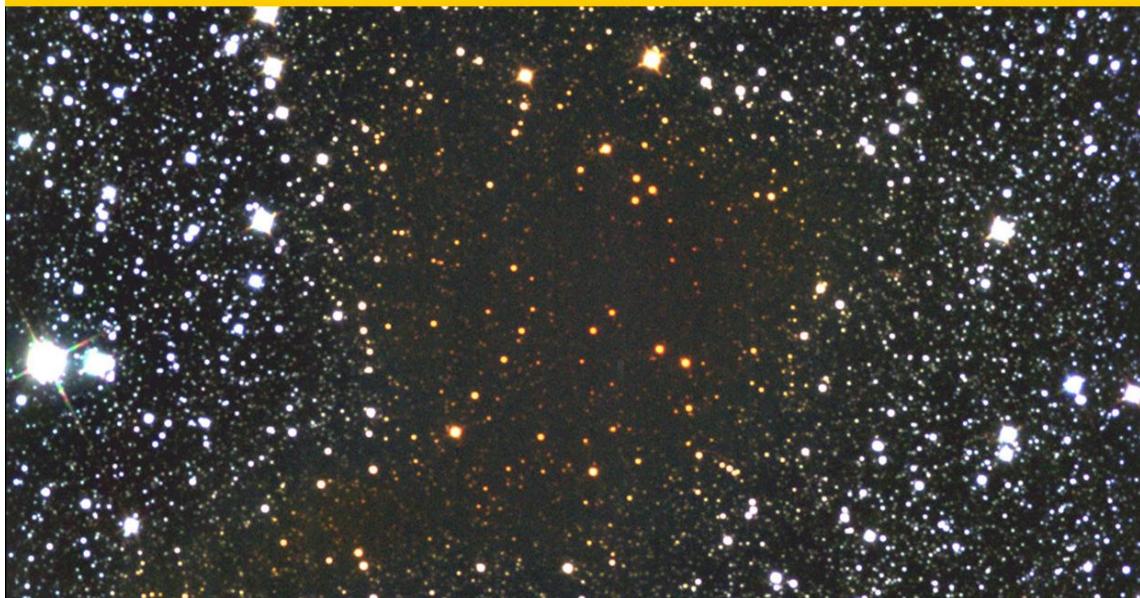


Figure 5, BOK globule density interior with proposal for dual black hole and white hole locations related to the production of so called "Failed Stars".

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.

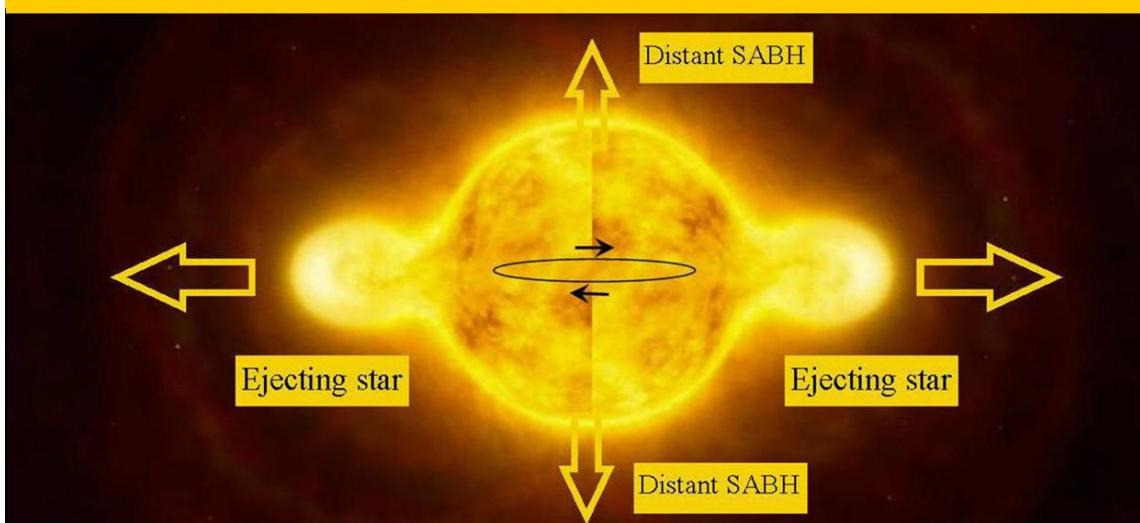


Figure 6, BOK globule with the proposal for symmetrical multiplication of failed stars being assumed to be a copy of real star multiplication inside larger molecular clouds, after instable rotation.

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.

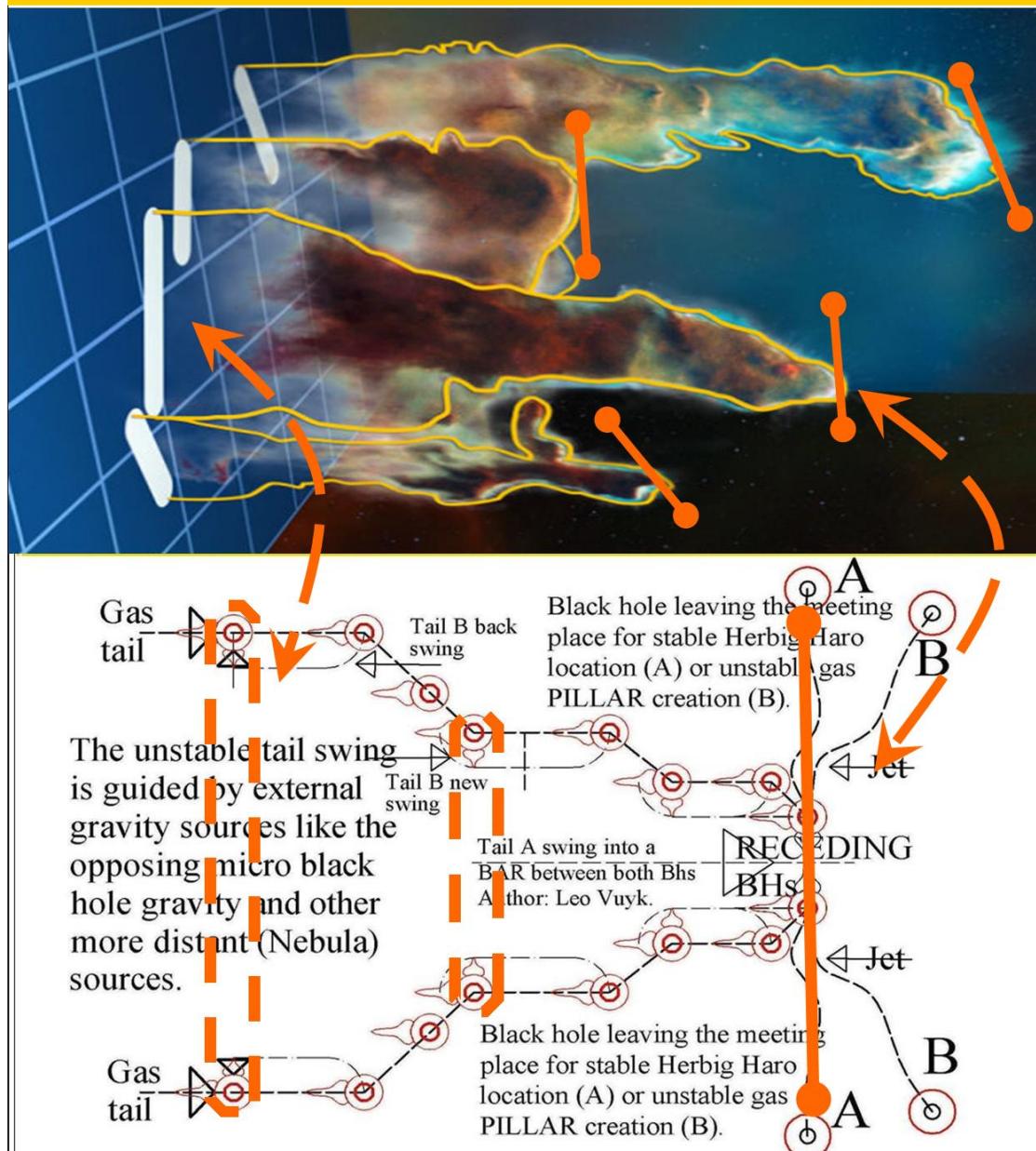
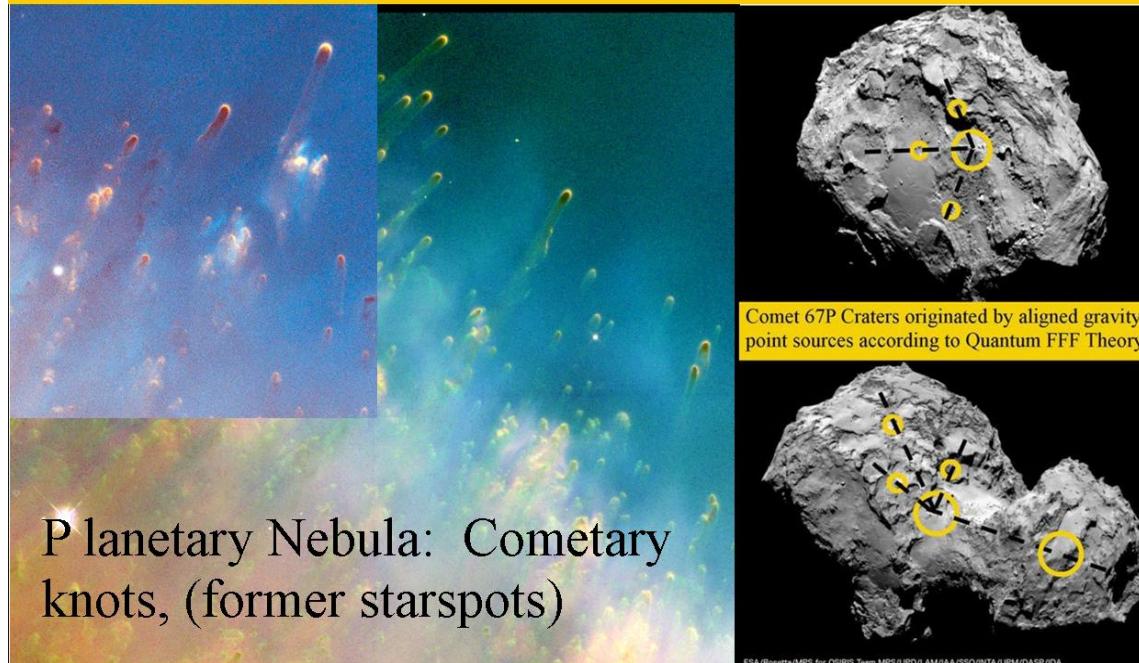


Figure 7, Pillars of creation with real star formation in the center of Herbig Haro systems created by the pairing of dual black holes.

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



Planetary Nebula: Cometary knots, (former starspots)

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

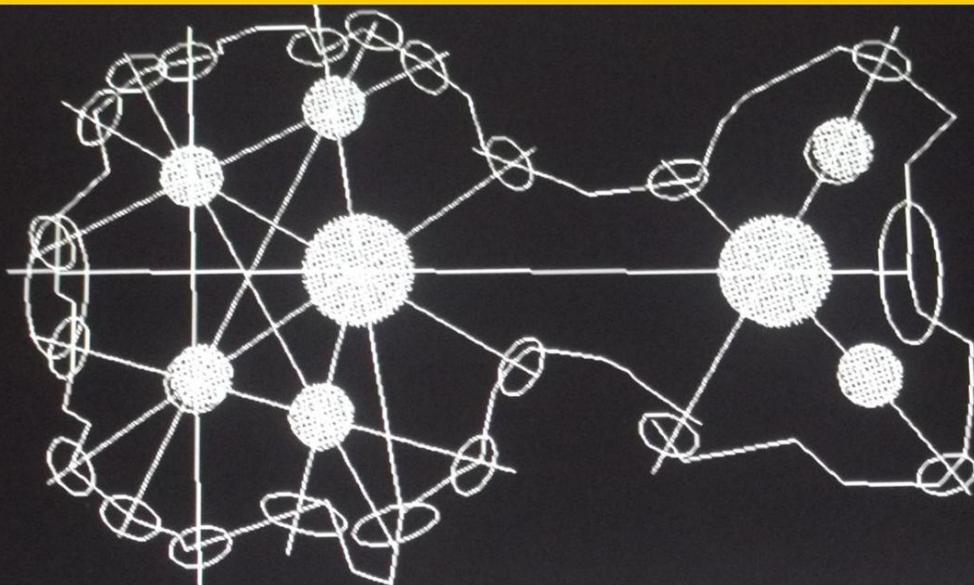


Figure 8, Micro black holes, being the expelled Starspots of exploding Nova stars, (Helix nebula) as the seedlings of Cometary nuclei such as Comet 67P.

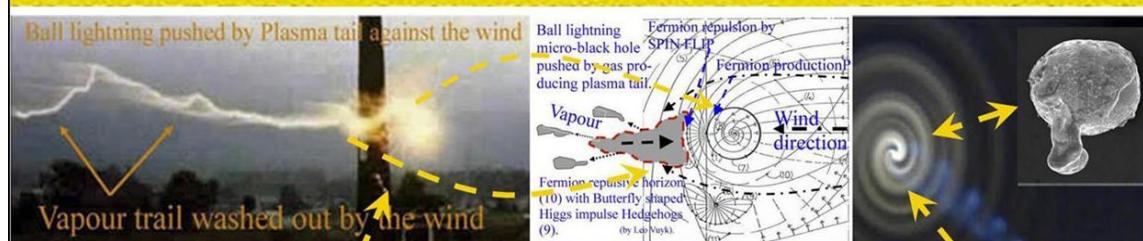
Interference dark matter black holes (Ball Lightning, Sprites and Micro Comets) have also a negative outside charge without graviton radiation leaving the place. Only the dark energy Higgs field has gravitational influence and a Casimir effect. According to Quantum FFF Theory.



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.

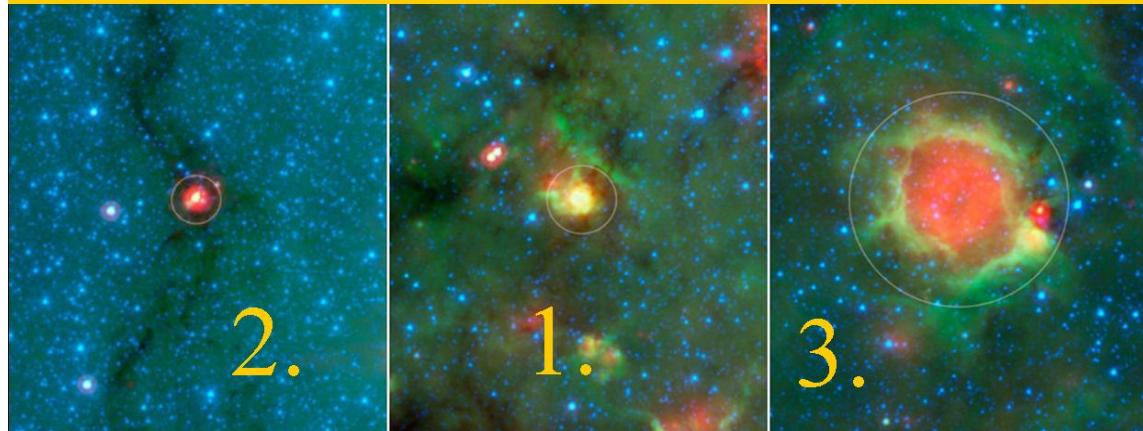


Ball Lightning and Micro Comets Based on New ZPE Black Hole Paradigm



Micro Comets (micro black holes) also pushed by plasma tail against the wind
Figure 9, Micro Interference black holes as the origin of ball Lightning Micro Comets and Sprites/ Elves.

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.

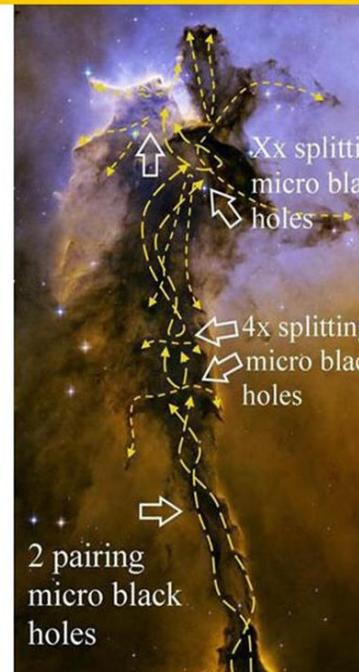
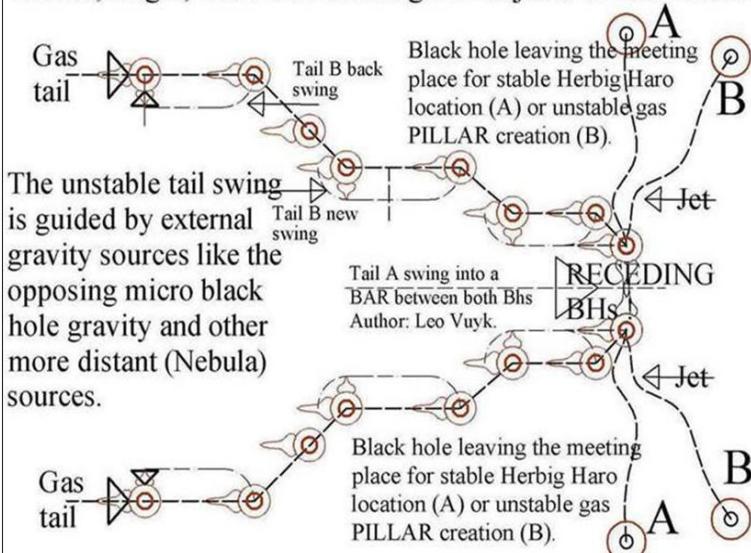
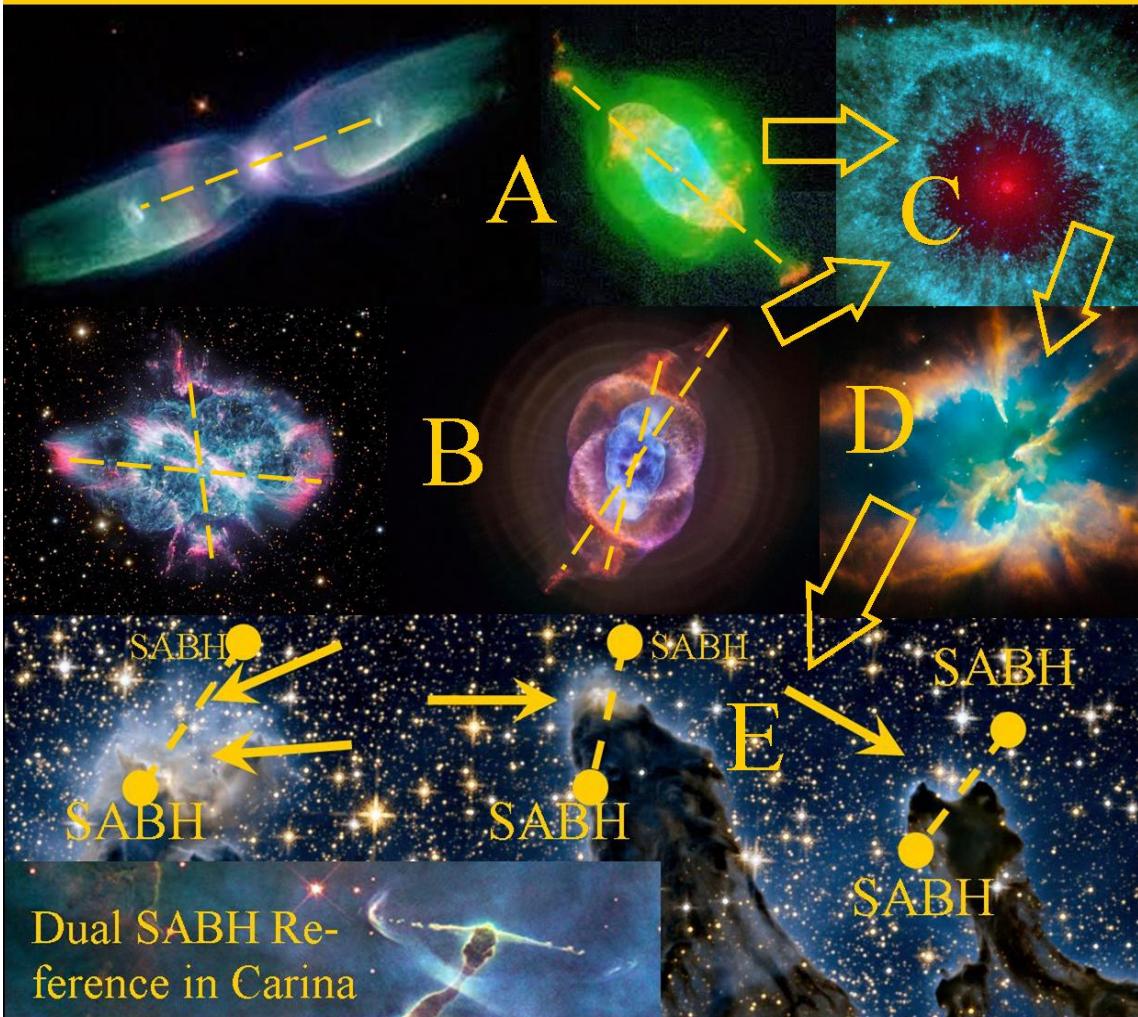


Figure 10, Yellow balls observed as early stars forming the center of open star cluster between two Herbig Haro black hole objects. In comparison with the Herbig Haro formation inside the Eagle nebula.

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 11, Dual Herbig Haro systems forming Stellar Anchor Black Holes with star creation in between.

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

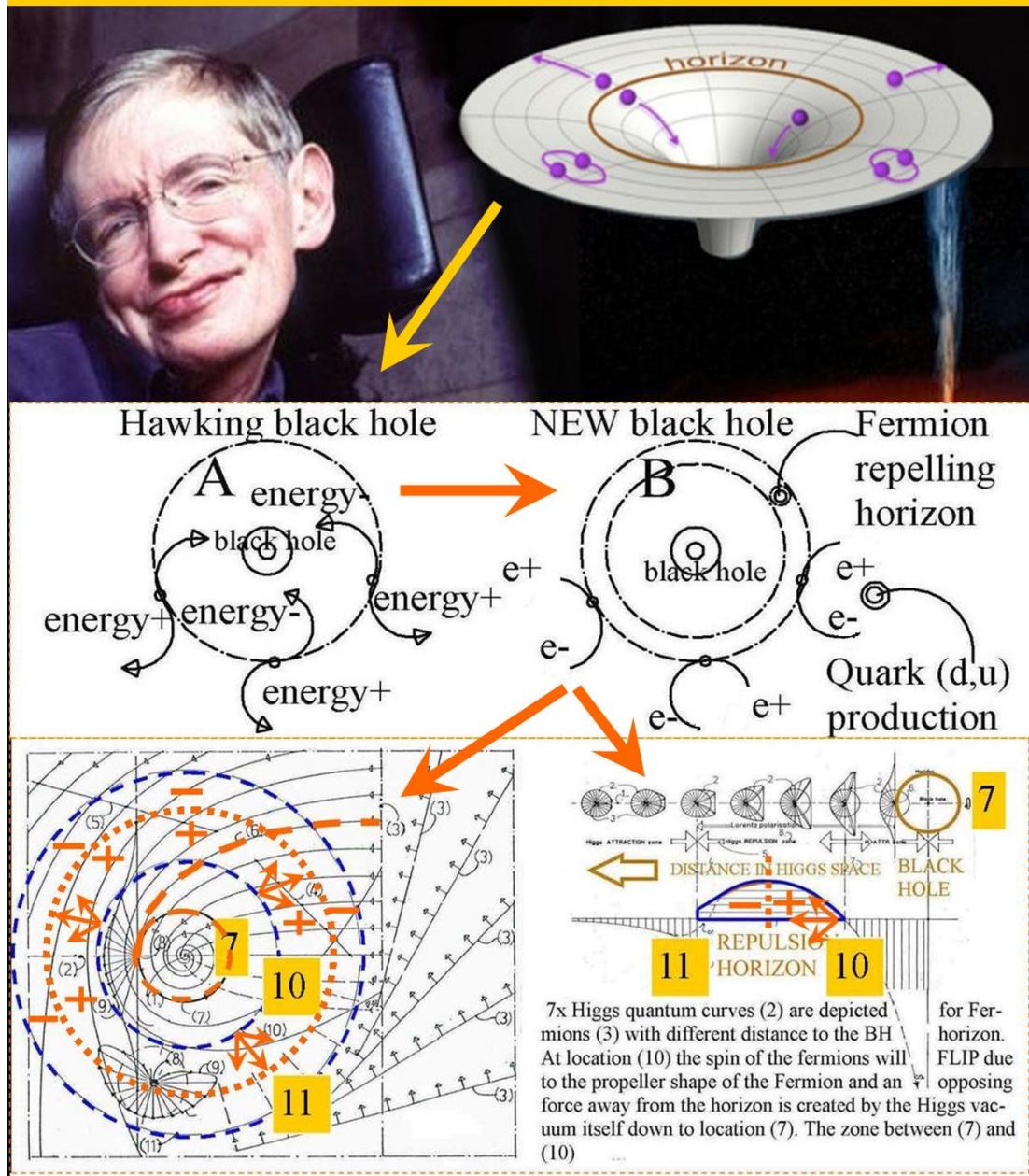


Figure 12, The difference between the mainstream Hawking black hole and the New BH of Quantum FFF Theory.

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.

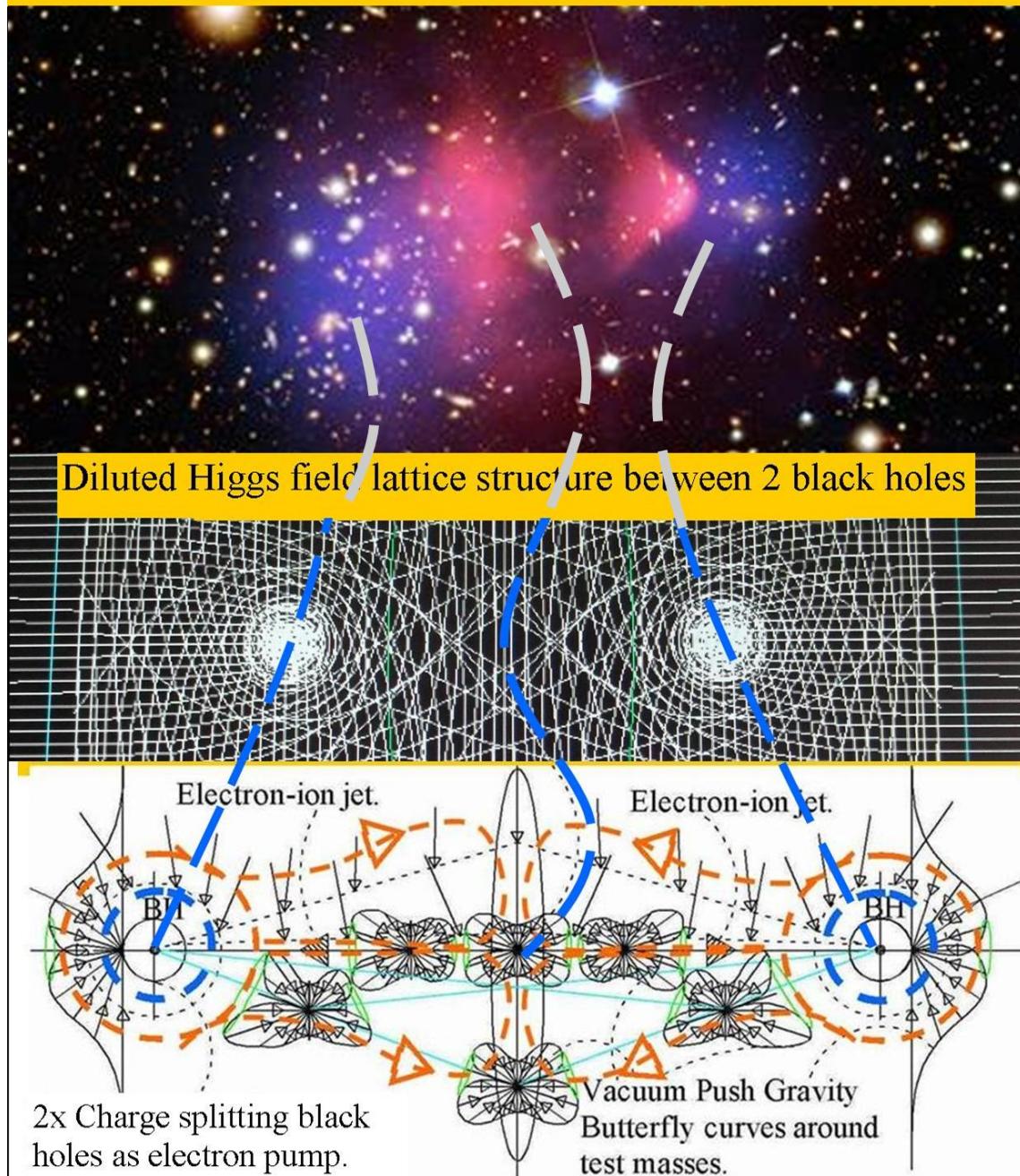
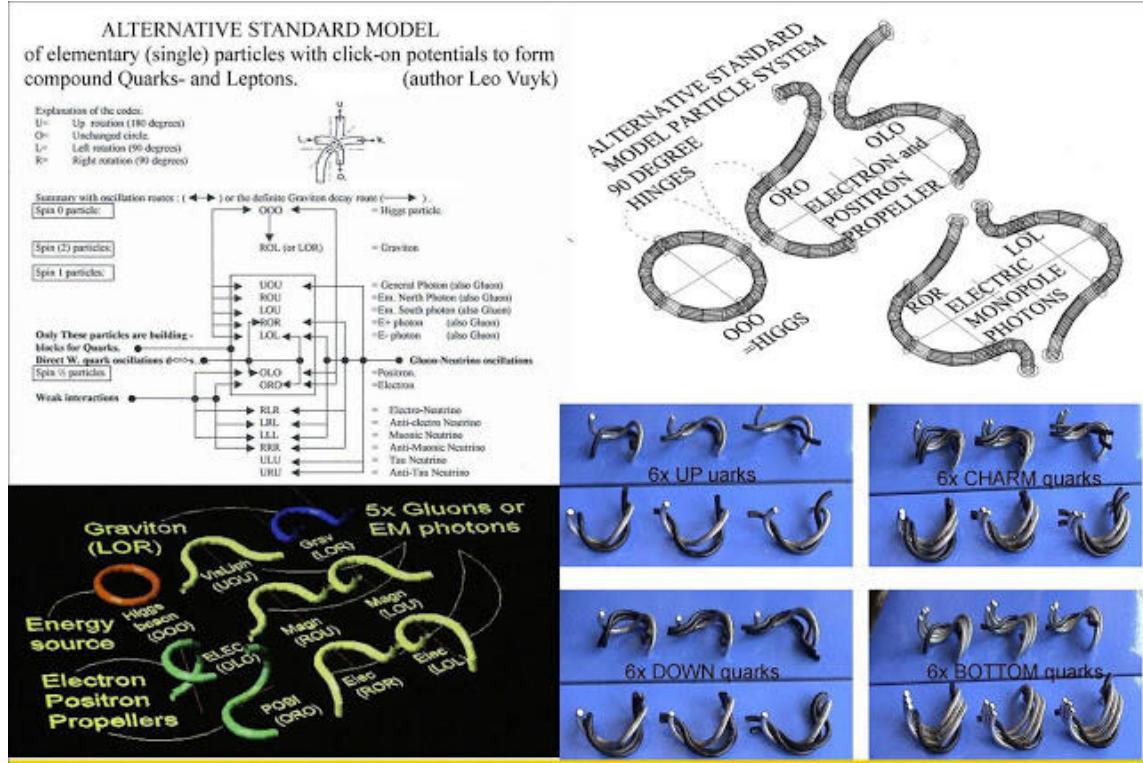


Figure 13 Diluted Higgs field vacuum space between two electric dark matter black holes or between dual Galaxy Anchor black hole systems.



90 degree rotation of the Higgs ring and merging into compound knots...

Figure 14. Quantum Particle system with adapted string shapes constructed out of only one torus Higgs mother particle.

Quantum Gravity as pressure distribution of the oscillating dual Higgs/Graviton vector field. New Dark Matter Black Hole, "Eat" the chiral oscillating Higgs vacuum.(Quantum-FFF Theory)

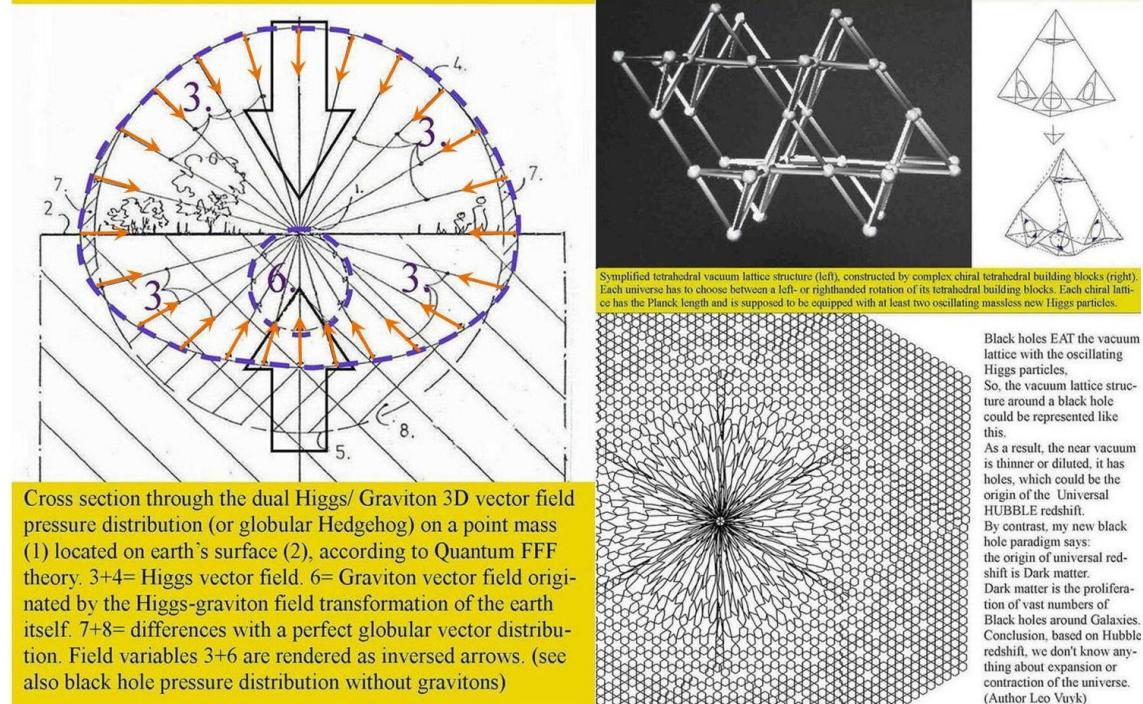


Figure 15. Quantum gravity with the chiral vacuum structure around a black hole nucleus..

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

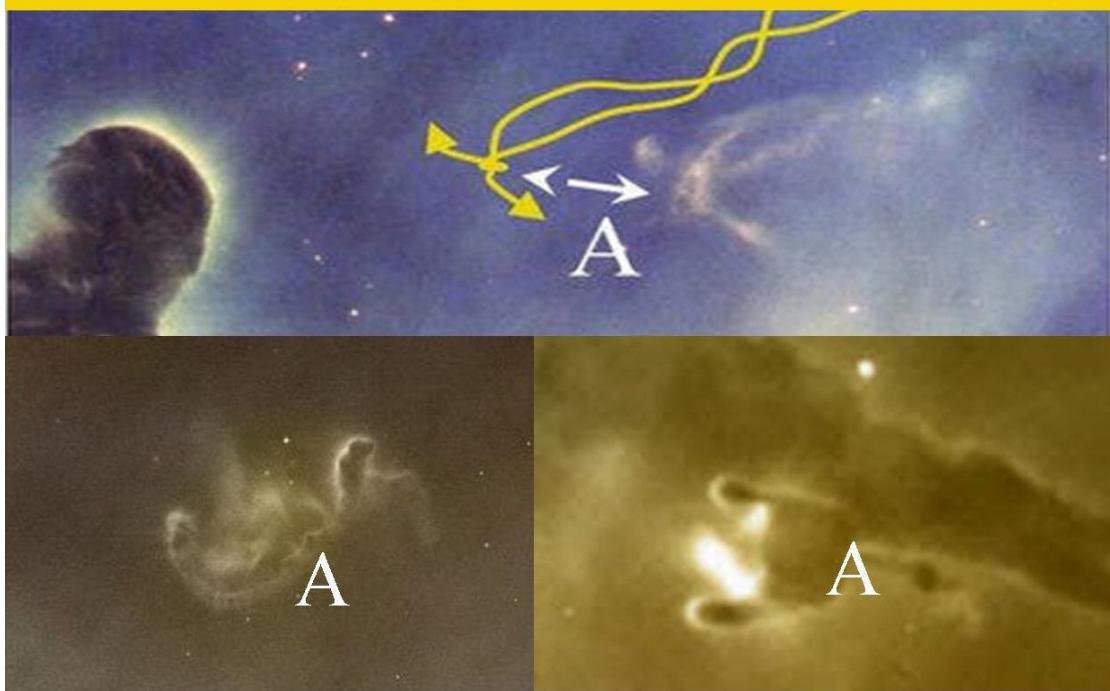
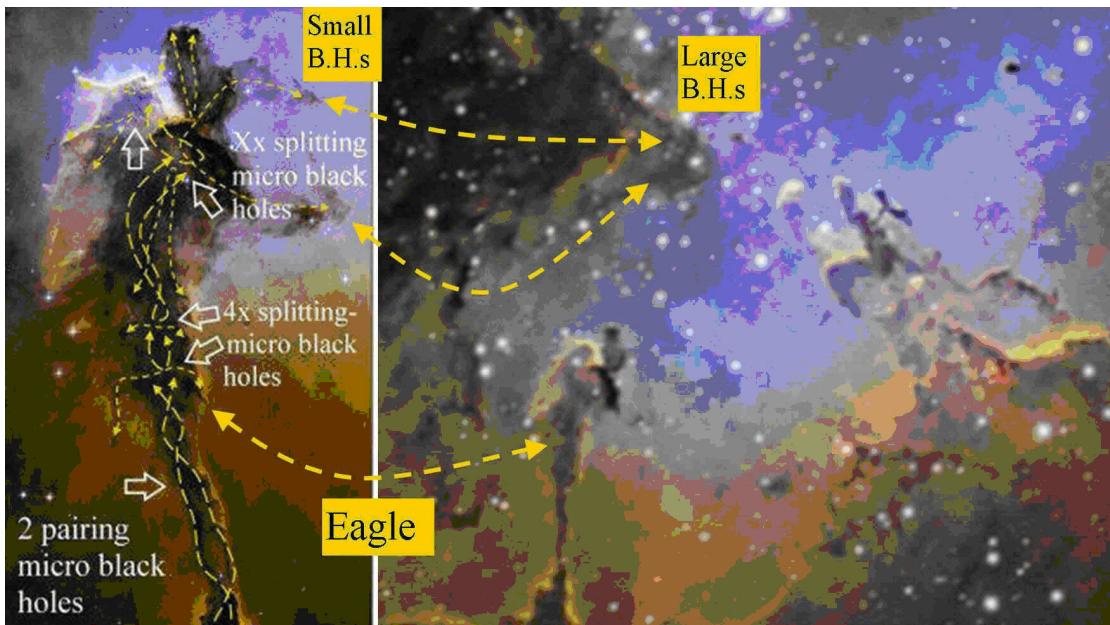
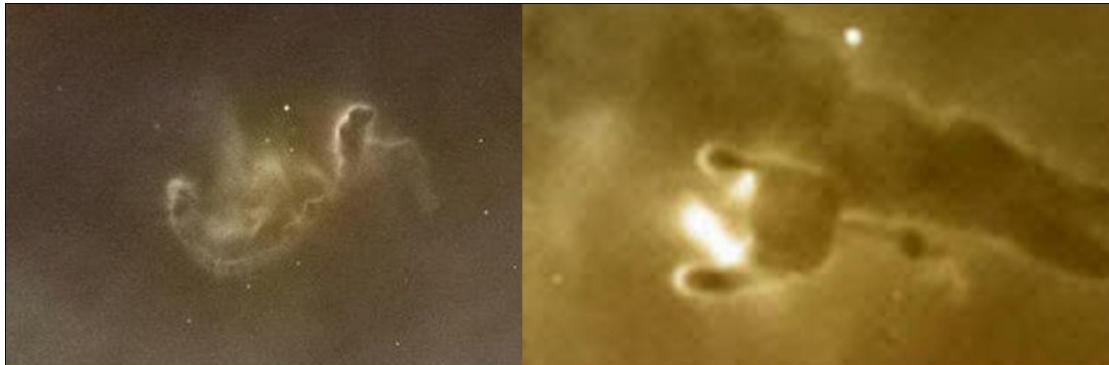


Figure 16. Examples of pairing and receding / splitting micro black holes inside nebula.



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 17. Eagle nebula with observable splitting and pairing accelerating micro black holes.



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)



Fi

figure 18. HH object at the top of à gas pillar and complex Bok globule in the Carina nebula.



Dual Black holes, accelerated by H₂ plasma tails, and after meeting and bar creation, receding from each other to form a Herbig Haro Object with star cluster formation in between. (According to Quantum FFF Theory)



Figure 19, More examples of pairing and splitting micro black holes inside nebula to be formed into HH systems.

Birkeland/ Aflven circuit currents around stars and galaxies, are driven by new paradigm tandem black holes, producing an external excess of negative charged plasma accelerated by the Casimir polarized vacuum (or Higgs polarized oscillations, according to Q-FFF Theory)

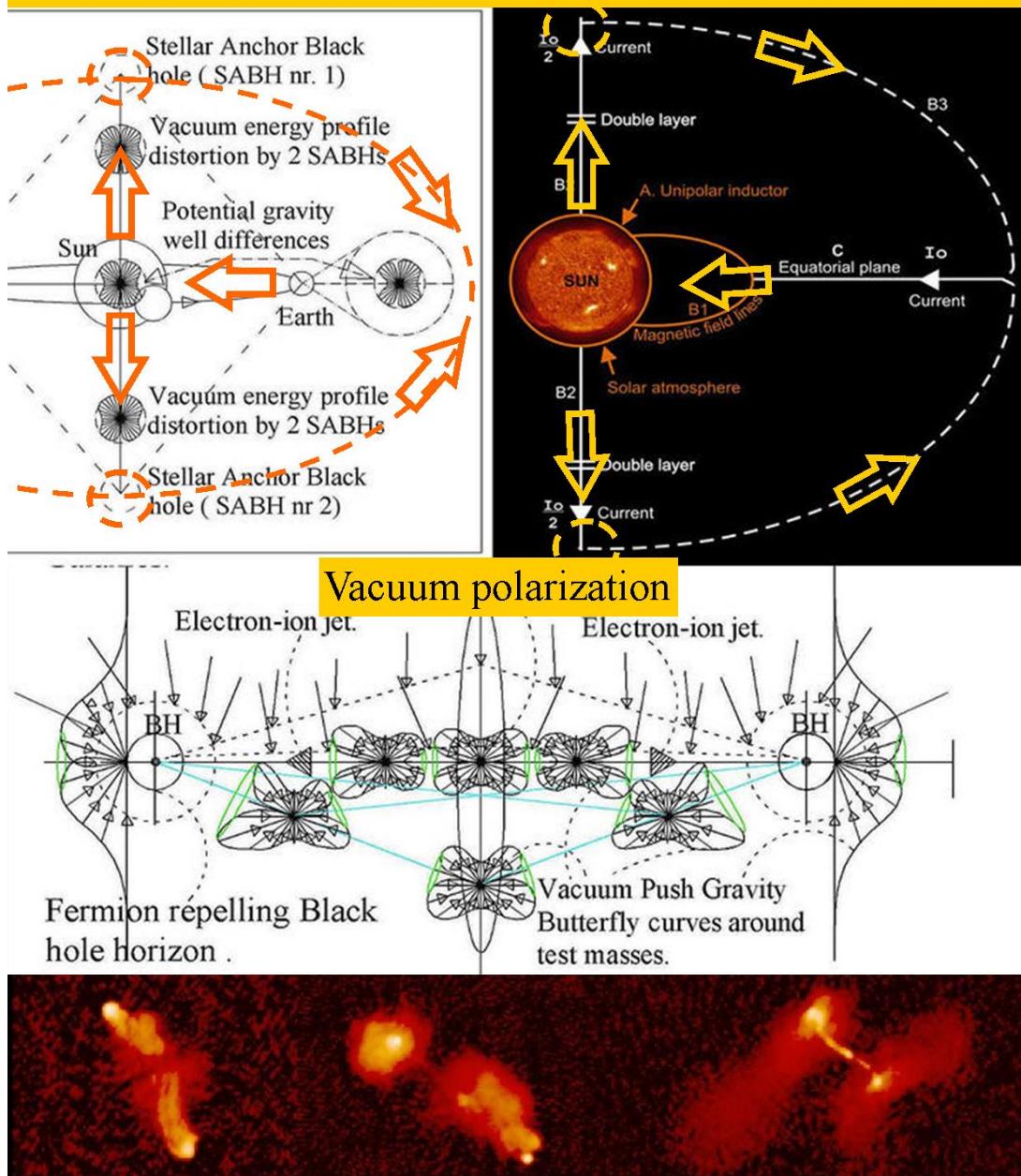


Figure 20. The solar system depicted as the result of a former Herbig Haro system.

QUANTUM FFF THEORY.

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.

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 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 af 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 Splinters (PBBS) forming the Fractalic 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 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: Babcock and Bergman anomaly,1964)

18, Different elementary particles have different qualities by their different complex stringy shape. Leptons and Quarks have a propeller shape with left or right handed pitch creating charge difference. Gluons, Photons and Neutrino particles have no pitch.

20 All particles can be converted to one or more Higgs particles, Lepto Quarks 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.

If our material universes has a chiral oscillating Higgs field, then our material Right Handed DNA helix molecule could be explained. However it also suggests that in our opposing ANTI-MATERIAL multiverse neighbour universe the DNA helix should have a LEFT HANDED spiral. According to Max Tegmark: in an entangled multiverse we may ask: is there COPY PERSON over there, who is reading the same lines as I do? If this COPY person is indeed living over there, then even our consciousness should be shared in a sort of DEMOCRATIC form,

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[60.] **Quantum FFF Theory is also published in the form of POSTERS at the Flickr site:**

<http://www.flickr.com/photos/93308747@N05/>

[59.] **Numbered listing of Vixra essays by Leo Vuyk.**

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[58] viXra:1503.0186

Primordial Dark Matter Black Holes Outside Galaxies Responsible for the Creation and Contraction of a Cyclic Universe?

[57] viXra:1503.0097

Qauntum FFF Theory, Poster News 4.2

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Parity and Chirality as a Base for Quark-Gluon Plasma and Dust Creating Black Holes and the Beginning and End of Time..

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[53] viXra:1409.0164

The O'Connell Effect in Eclipsing Binaries Explained by Mass Related Light Speed Extinction Distances (Lasof) of Stars and Even Planets.

[52] viXra:1407.0001

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[51] viXra:1406.0076

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[49] viXra:1405.0224

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Hubble Redshift Combined with Universal Contraction is Possible.

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Silicon Based Ball Lightning Globule Structures and Signs for Accumulation and Retarded Decrease of Tunnelling Energy Bullets.

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Clumpy Dark Matter Around Dwarf Galaxies a Support for an Alternative Black Hole Theory According to the Quantum Function Follows Form Model.

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Earth Magnetic Monopole Array Field Interaction with Cyclotron –Synchrotron Electrons and Muon Conversion Used for Levitation Systems.

18, viXra:1201.0092

Earth Magnetic Monopole Array Field Interaction with Cyclotron Electrons used for Levitation Systems.

17, viXra:1112.0065

- LHC Signals Between 121-130 Gev Interpreted with Quantum-FFF Theory**
 16, viXra:1111.0096
- Reconciliation of QM and GR and the Need for a Pulsating Entangled CPT Symmetric Raspberry Shaped Multiverse.**
 15, viXra:1111.0061
- Black Hole Horizon Curvature Dependent Balance Between Plasma Creation and e-e+ Annihilation in Quantum FFF Theory.**
 14, viXra:1108.0036
- Artificial Ball Lightning Production and Exploitation Device for Zero Point Electric Energy Usage.**
 13, viXra:1108.0006
- Mass in Motion in Quantum FFF Theory**
 12, viXra:1104.0083
- Quantum FFF Theory in Posters.**
 11, viXra:1104.0044
- Ball Lightning, Micro Comets, Sprite-Fireballs and X-Ray/gamma Flashes According to Quantum FFF Theory.**
 10, viXra:1104.0002
- Stellar Anchor Black Holes as the Remnants of Former Herbig Haro Objects**
 9, viXra:1103.0097
- ZPE Zero Point Energy Examples Around Black Holes.**
 8, viXra:1103.0068
- Funktion Follows Form, at the Quantum Scale and Beyond.**
 7, viXra:1103.0024
- Quantum Gravity and Electro Magnetic Forces in FFF Theory**
 6, viXra:1103.0015
- Wavefunction Collapse and Human Choice-Making Inside an Entangled Mirror Symmetrical Multiverse.**
 5, viXra:1103.0011
- An Alternative Black Hole, Provided with Entropy Decrease and Plasma Creation**
 4, viXra:1103.0002
- 3- Dimensional String Based Alternative Particles Model**
 3, viXra:1102.0056
- Experiments to Determine the Mass Related Lightspeed Extinction Volume around massive objects.**
 2, viXra:1102.0054
- Atomic Nuclear Geometry Based on Magic Number Logic.**
 1, viXra:1102.0052
- Construction Principles for Chiral “atoms of Spacetime Geometry**