

ZPE Zero Point Energy examples around black holes.

Leo Vuyk,
Architect,
Rotterdam, the Netherlands.
LeoVuyk@Gmail.com

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 MASSLESS BLACK HOLE, able to convert vacuum energy (ZPE) into real energy by entropy decrease, seems to be able to explain quick Galaxy- and Star formation, down to Sunspots, Comets and even Ball Lightning.

introduction.

Quantum FFF theory states, that the vacuum is seeded with fast oscillating massless Higgs particles, oscillating along a complex chiral tetrahedral vacuum lattice, which has the ability to transfer Photon and Graviton FORM information in bunches of oscillations, through the vacuum lattice with the local speed of light. Ref [5,6,8,9]. As a consequence there are no attraction forces on propeller shaped Fermions. Gravity seems to be the result of two different impulse arrays: the massless Higgs impulse array and the (less effective) massless Graviton impulse array. As a consequence Black holes suffer only Higgs impulses and NO gravitons are escaping because the nucleus of the black hole is supposed to be a super dense knot of Higgs particles. (Ref. 2). Only the statistical sum of the different kinds of vacuum impulses from all directions on Fermions are responsible for all (energetic) phenomena in the universe. Ref.[1,2,3,4,9]

The accelerating plasma tail of NEW paradigm black holes (Ref.1,4), and the splitting black holes by smaller pairing black holes is supposed to be the origin of a smooth proliferation of black holes in the universe. The Eagle Nebula, (figure: 1) seems to be a great example of a smooth proliferation of black holes through Galaxies and Nebula.

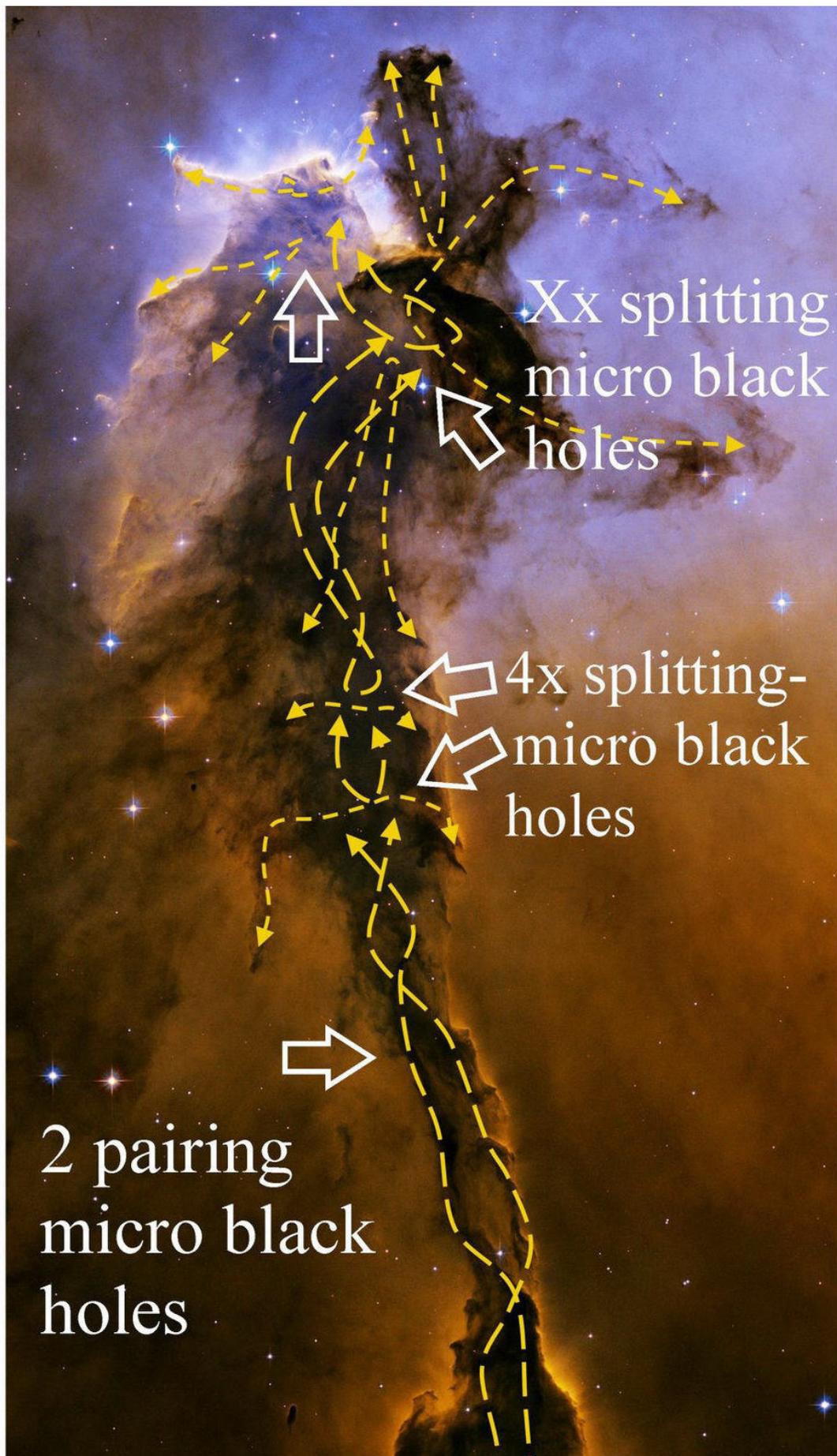


Figure 1, The Spire Eagle Nebula. With yellow splitting and pairing New Black hole trajectories.

However, this splitting and pairing process is at a much larger scale, also assumed to be the origin of the “bushy” so called Lyman Alpha structure of matter distribution in the universe with the Big Bang black hole as the founding father.(Figure: 2): the raspberry multiverse, and CPT symmetrical Multiverse cycle).

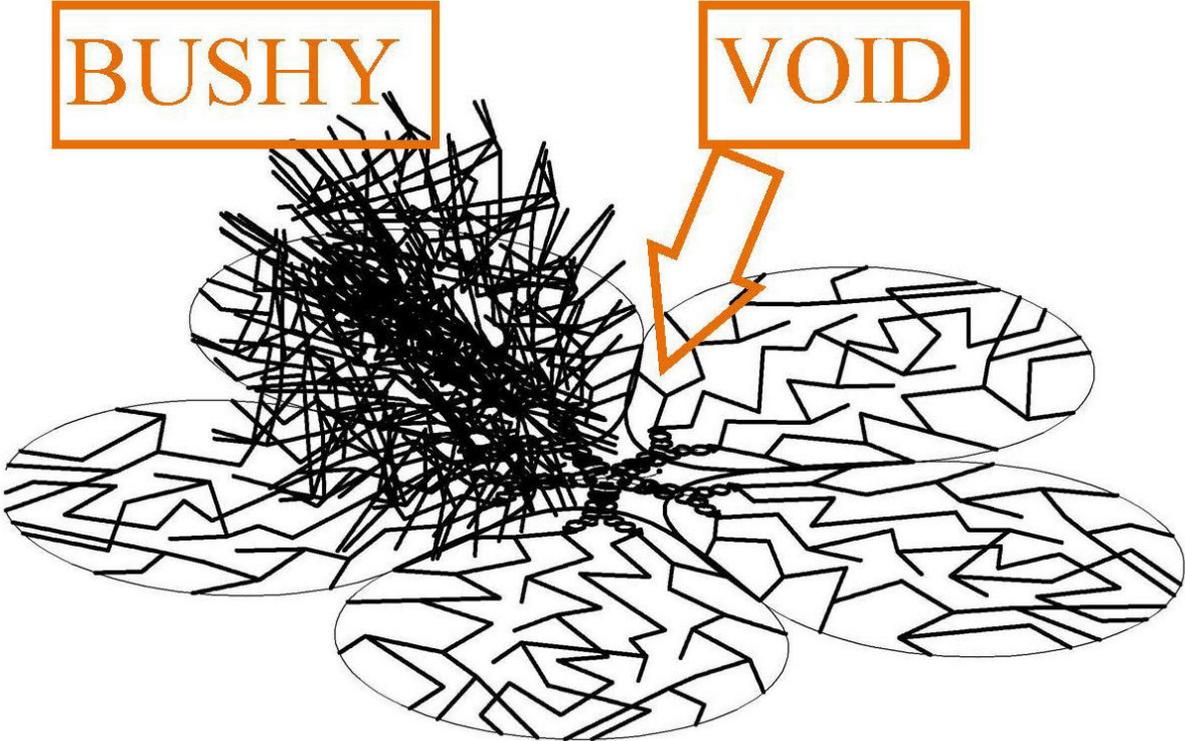


Figure 2, cross section through the raspberry shaped multiverse.

In addition, FFF theory assumes, that the Dark matter (= Black Hole) distribution around Galaxies -specially Galaxy clusters- represents the smooth distribution of black holes, with the largest black holes located at the outside of Galaxies called Galaxy Anchor Black Holes (GABHs).(Ref, 3)

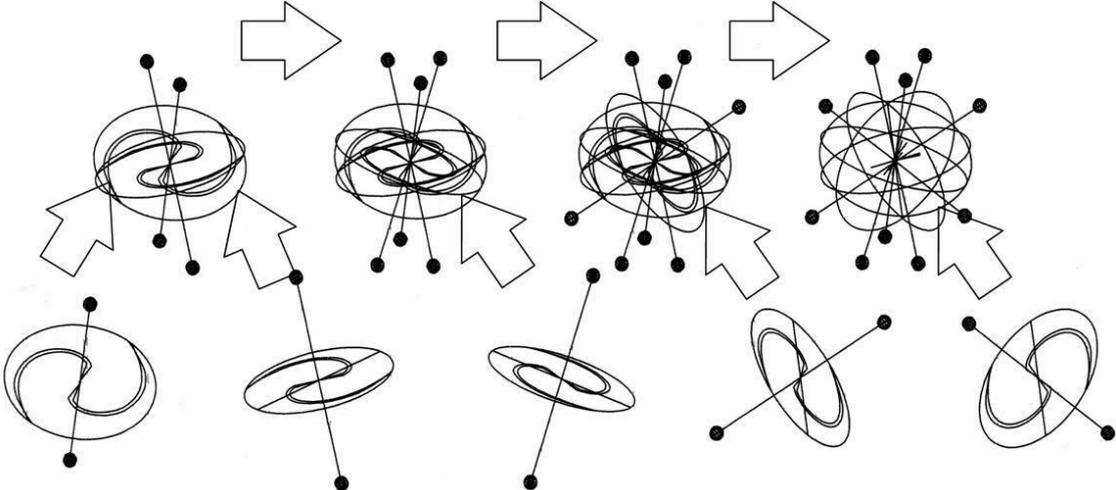
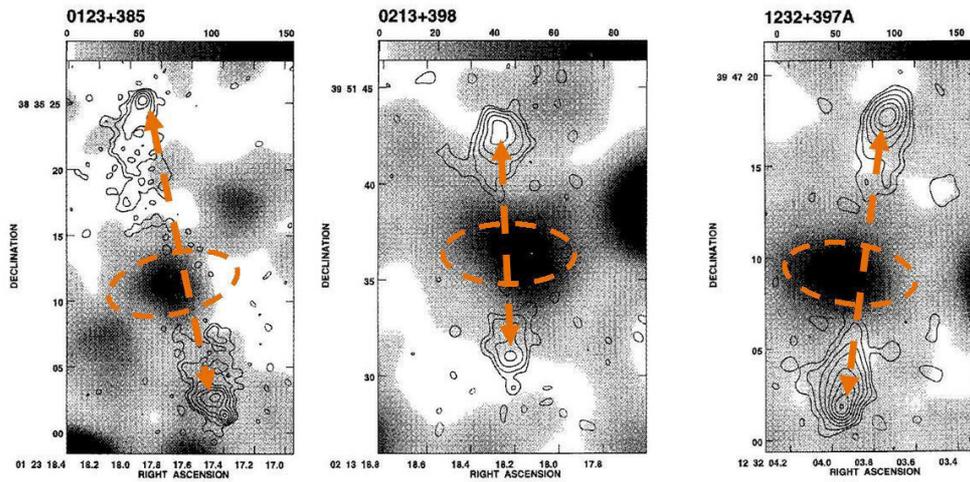


Figure 3, The origin of fast galaxy formation and merging accelerated by new Paradigm DUAL Galaxy Anchor Black Holes. GABHs. From left to right: the spiral structure of simple galaxies will fade away, during the multiple merging process.



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.

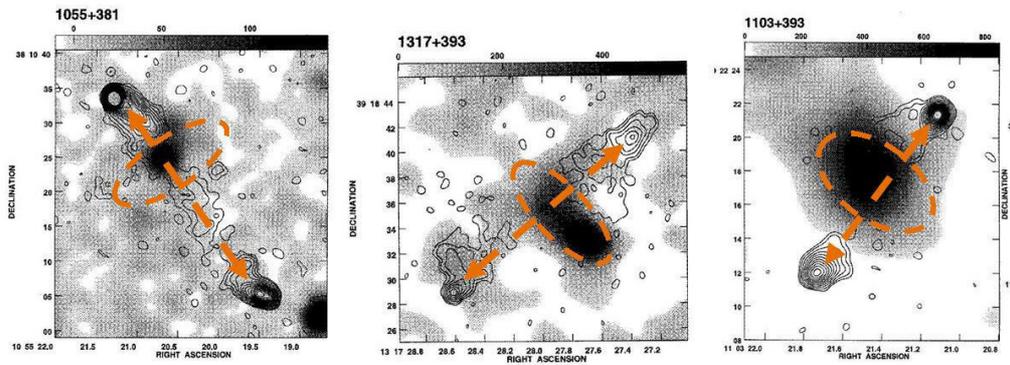


Figure 4, Examples of “early” spiral Galaxies between TWO Galaxy Anchor Black holes (GABHs)

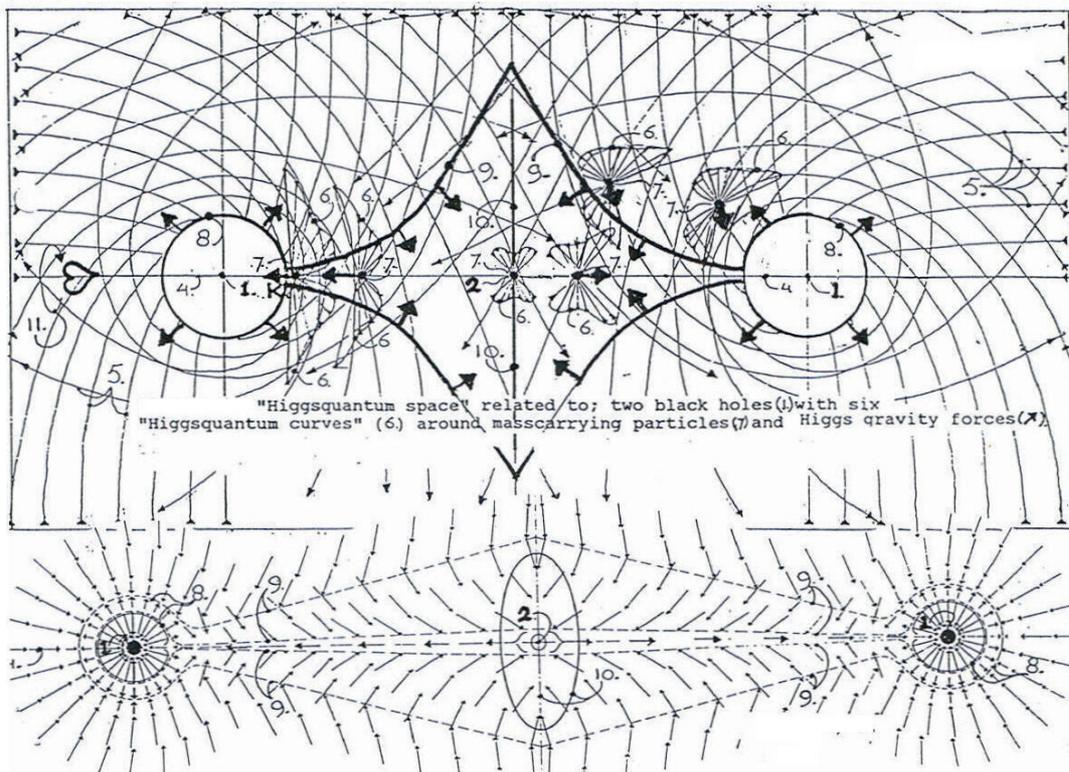


Figure 5, representation of the Higgs array vacuum structure around two (GABH) black holes.

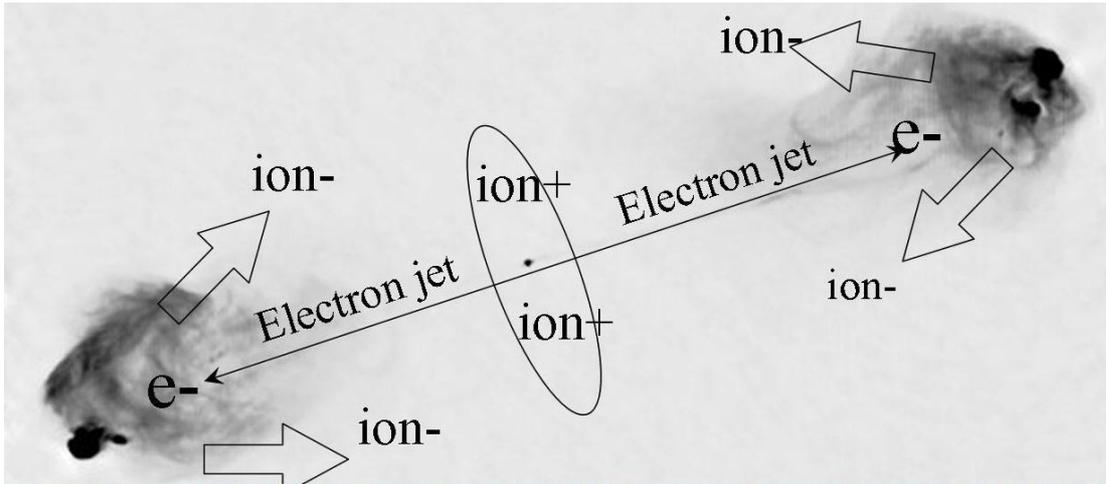


Figure 6, Cygnus A, is an example of super fast star formation inside the Galaxy between two or even four Hotspot GABHs. The GABHs are supposed to deform the vacuum structure (figure:5) as the origin of electron jet generation and electric charge distribution, being the driving force behind the star Formation.

The OLD and NEW Black Hole differences.

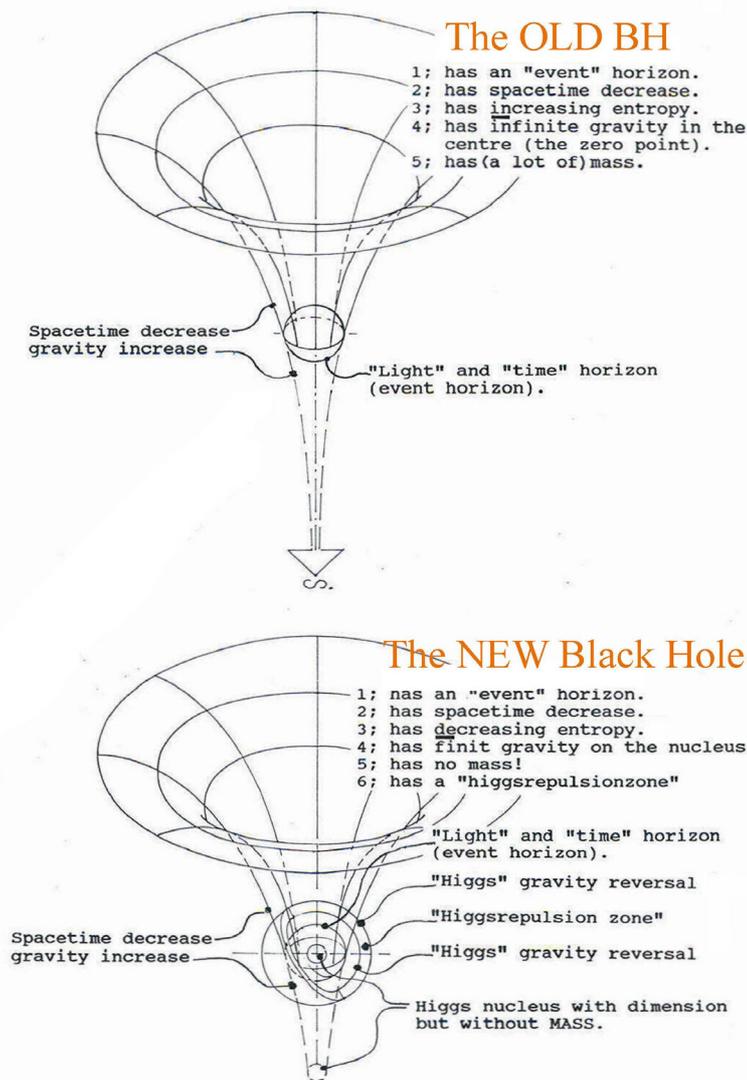


Figure 7, The difference between the old and NEW paradigm black hole.

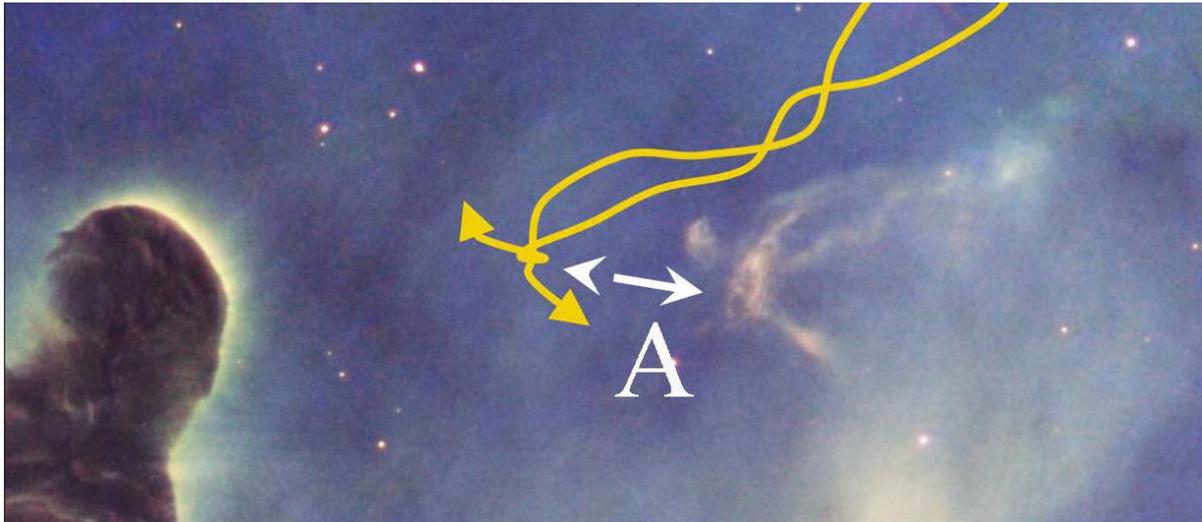


Figure 8, Accelerating pairing and receding mini-black holes inside the Carina nebula.

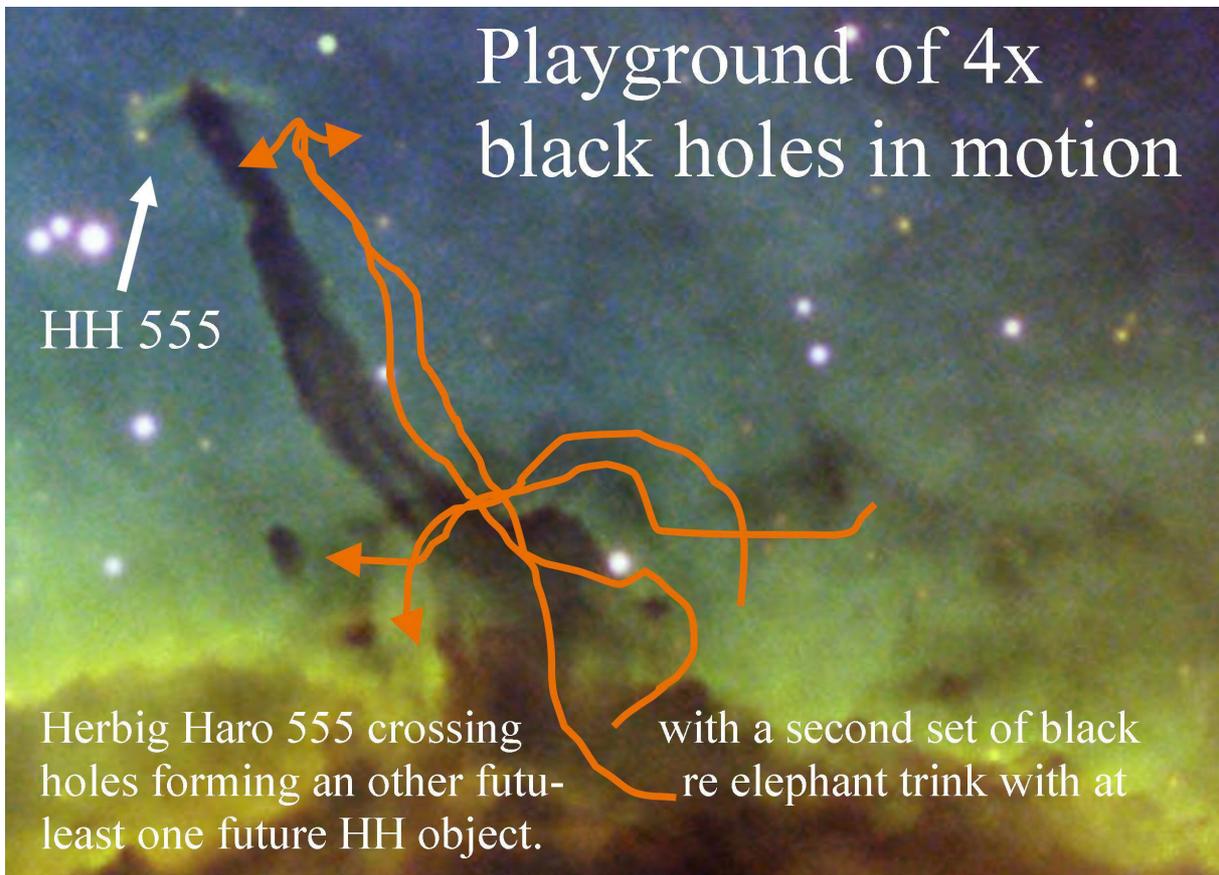
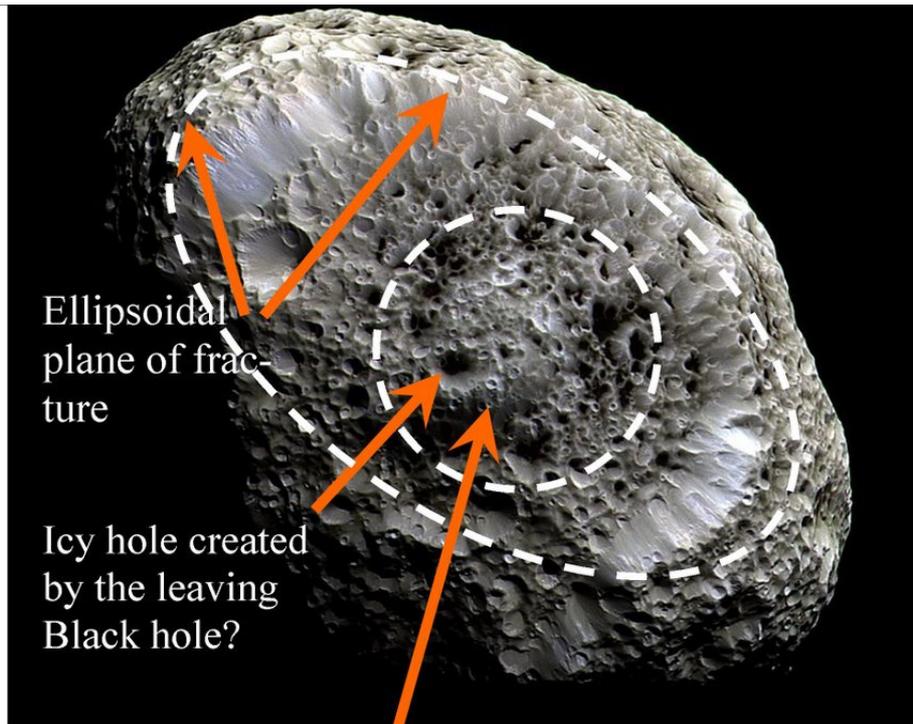
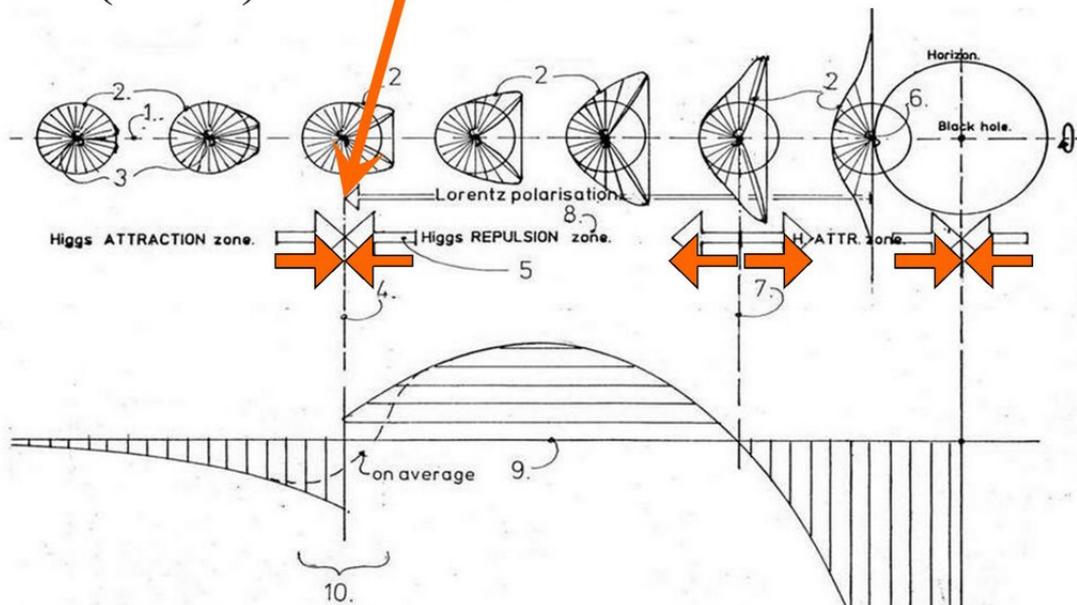


Figure 9, example of two sets of pairing black holes leading to one receding Herbig Haro system (HH 555)



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.



7x Higgs quantum curves (2) are depicted for Fermions (3) related to black hole relative distances

Figure 10, Hyperion seems to be a former COMET, left alone by its micro Black hole nucleus. 7x Higgs quantum curves (2) are depicted for Fermions (3) related to black hole relative distances.

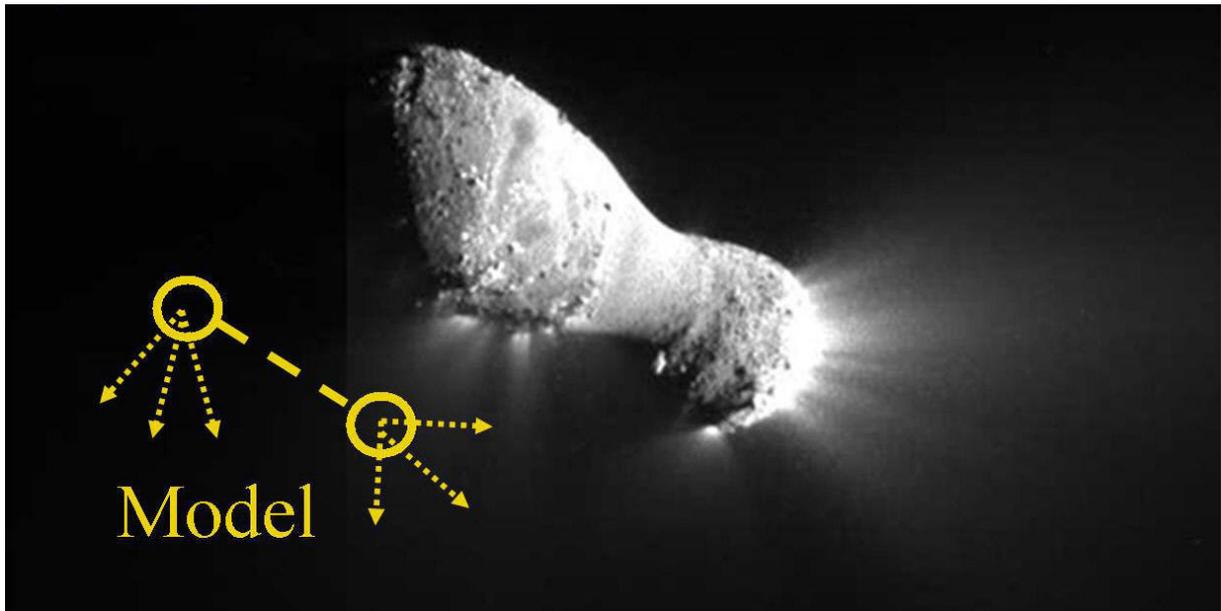


Figure 11, Comet Hartley 2, seems to hide two gas jets spewing micro black holes, in its dumbbell shaped nucleus.



Figure 12, Fire ball Photo supporting the new Black hole-Comet Ball lightning relation. Photographer: Werner Burger, made in the Montafon Mountains Austria.

W. Burger reported: some raindrops fell thunder storm was far away.
 A support for the hypothesis that so called sprites at the top of heavy thunderstorms produce micro black holes by x-ray- Em interference and presenting themselves as ball lightning.



Figure 13, Ball lightning photo made in Japan, seems to be pushed against the wind.

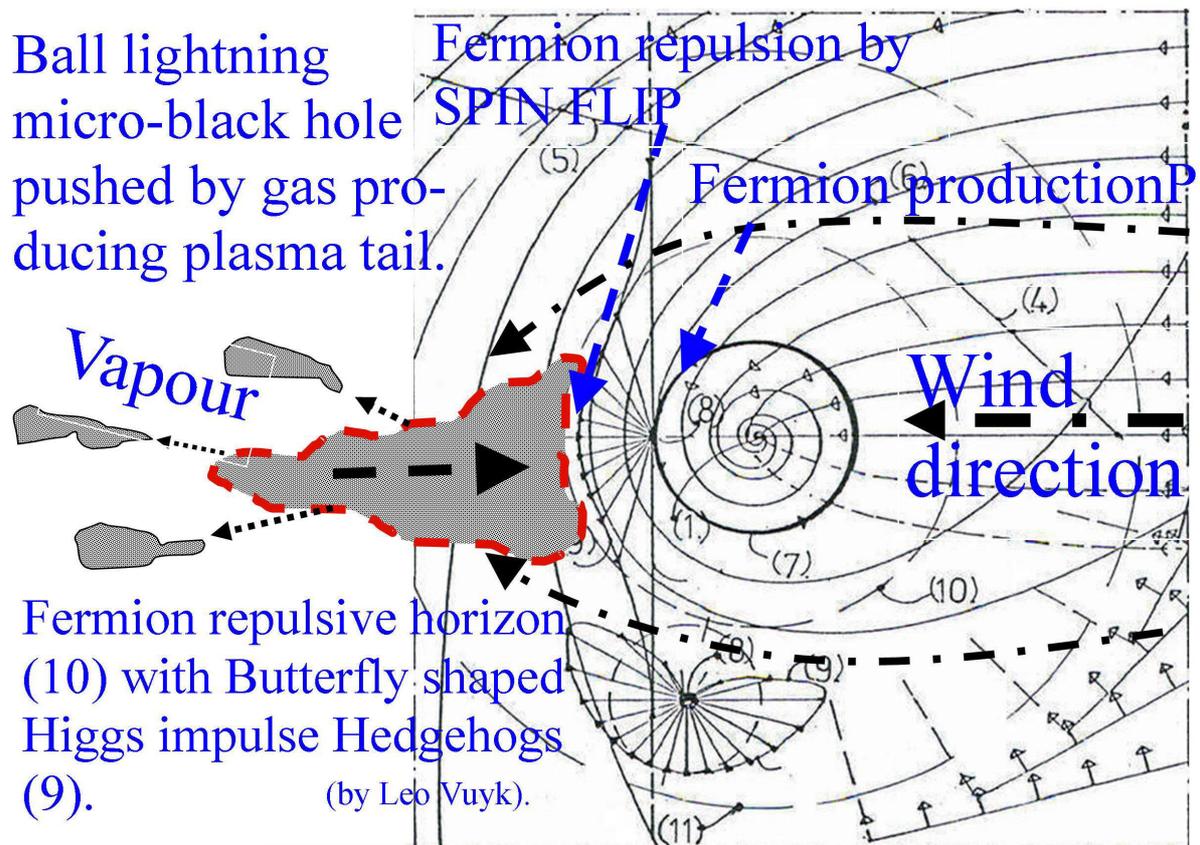
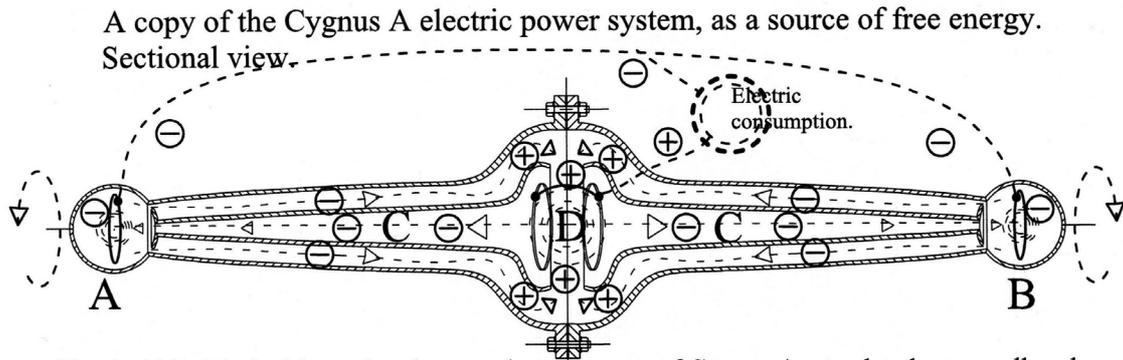


Figure 14, Fermion repulsion around a new paradigm black hole seems to form a Plasma tail, able to accelerate the Black hole.



The dual black hole driven electric powerhouse system of Cygnus A, translated to a small scale micro black hole "ball lightning" solution. Artificial produced ball lightnings are located at point A and B, which are negative charged. The midpoint D is positive charged. The charge origin is to be found in the vacuum driven electron jets C just like Cygnus A. author: Leo Vuyk.

Figure 15, theoretical solution to harness two micro black holes in a container for future free electric energy production.

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

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

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

As a result we may say: FUNCTION FOLLOWS FORM in particle physics and beyond, because it seems that the fermion form is also the origin of Fermion repulsion (spin flip) at the black hole horizon.

At the Universal scale however, CPT (Charge, Parity and Time) SYMMETRY between entangled copy Universes, forming a Multiverse with Raspberry geometry, seems the most logical solution for a theory of everything. (ref 3).

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