

# **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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## **Abstract,**

In particle physics it is an interesting challenge to postulate that the FORM and structure of elementary particles is the origin of different FUNCTIONS of these particles.

In our former paper “**3-Dimensional String based alternative particle model.**”

we presented a possible solution based on complex 3-D ring shaped particles.

We will give it the name: FFF Theory. (Function Follows Form Theory)

Now this paper presents the possible consequences of such a 3-D string particle system for Black holes.

Black Holes should be existent at all scales from microscopic ( Ball Lightning) up to supergiant Big Bang splinter Black Holes (Galaxy Anchor Black Holes: GABHs) and the one and only origin for all Dark Matter.

Recent clumpy Dark matter observations around Dwarf galaxies, seem to support the new paradigm black hole of Q-FFF theory.

## **Introduction,**

It is assumed that the vacuum is seeded with awesome numbers of “new” massless Higgs vacuum particles. All vacuum particles seem to oscillate inside a chiral vacuum lattice system (reference: 16). this system seems to be able to transfer all photonic energy in wave form, but magically popping up real particles at collision sites with Fermions (wave particle duality).

This is reason to assume that Higgs particles are the origin and bearer of all energy and Matter in the universe.

If by a local energy excess, two oscillating Higgs particles collide head-on with enough excess of energy, it is assumed that at first an electron and positron emerges by the transformation or remodelling of these two Higgs particles.

Due to the propeller shape of the Fermions, they start to spin automatically by the constant collision and scattering process with the Higgs vacuum, remodelling and changing Higgs particles continuously into different forms of Photon/Gluons as a result.

This scattering system is supposed to be the origin of all radiation and energy in the universe including so called double LeSage gravity. About double LeSage we will report in a second letter.

It is also proposed, that at the globular horizon of black holes, Higgs particles are constantly producing numerous twins of electrons and positrons, due to spacetime (vacuum lattice) deformation.

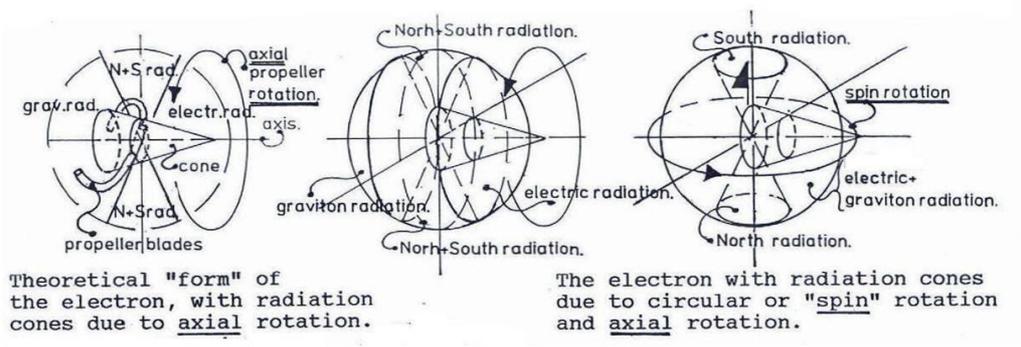
However it is postulated, that not all electrons and positrons annihilate, because the new 3-D particle system allows electrons and positrons to form COMPOUND QUARKS by the new 3-D String particle paradigm (figure 1).

At the same time, the complex double spin of fermions (figure 2) seems to be the origin of all material MOTION, (figure: 3) through the thick energetic soup of the Planck scaled Higgs vacuum lattice and the origin of a so called SPIN-FLIP with REPELLING abilities (figure 4), at a certain distance from the black hole horizon, (figure 5).

As a result these properties are reason to formulate a new black hole paradigm (figure 6), different from the Hawking black hole.



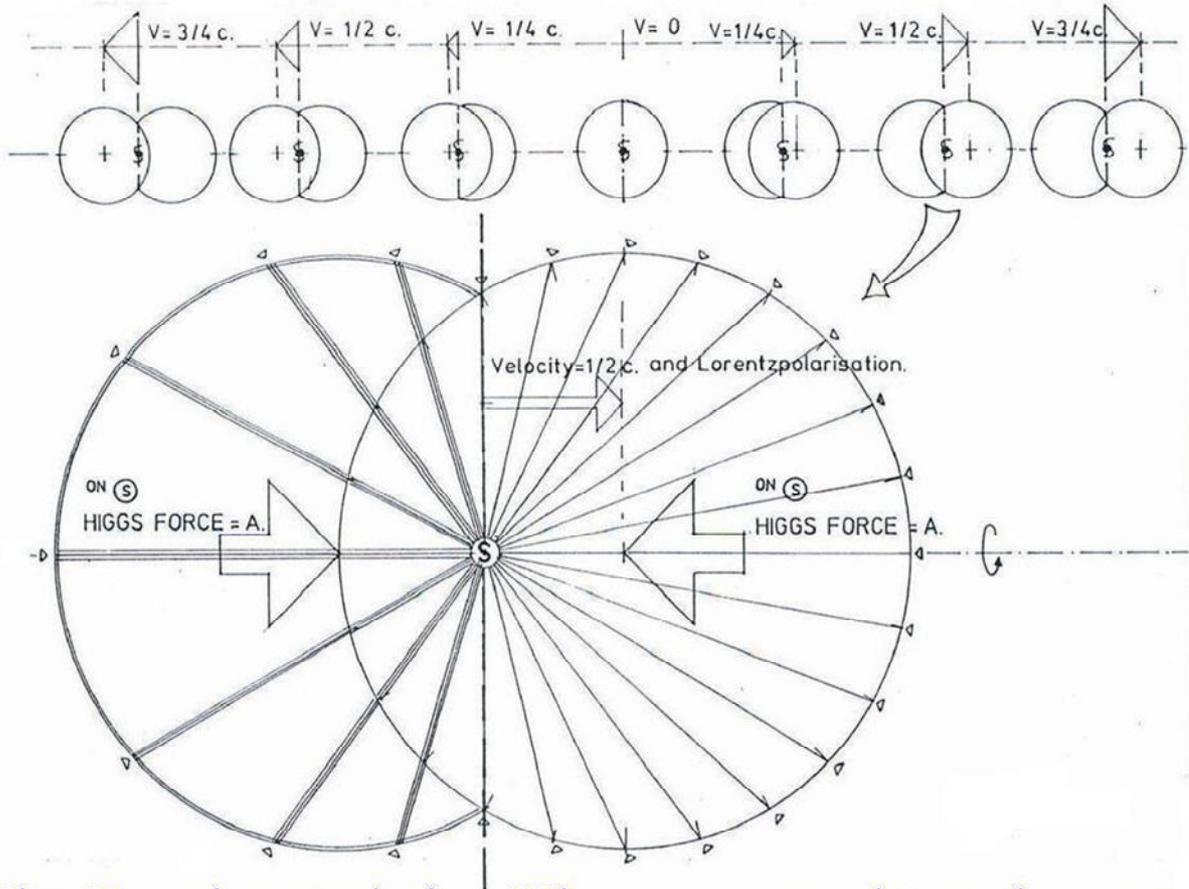
Figure 1, 3D image of the Leptons: Electron, Positron, (singular) Muons and Tau particles (Compound particles). Reference; [16]



The "Eigen energy" distribution around the spinning Fermion propeller, is supposed to come in cone form. The Fermion spin and radiation is the product of a scattering process with oscillating Higgs vacuum particles. As a result, the Fermion has a double spin around two polar axes. This is supposed to be the origin of a dipole Magnetic field with North and South monopole photon radiation and the circular distribution of graviton and electric radiation. In addition it must be stated that all Fermions are entangled with their object /subject particle far away.

**Figure 2, Double spin of Fermions.**

# MASS IN MOTION ACCORDING TO FUNCTION FOLLOWS FORM (FFF) THEORY.

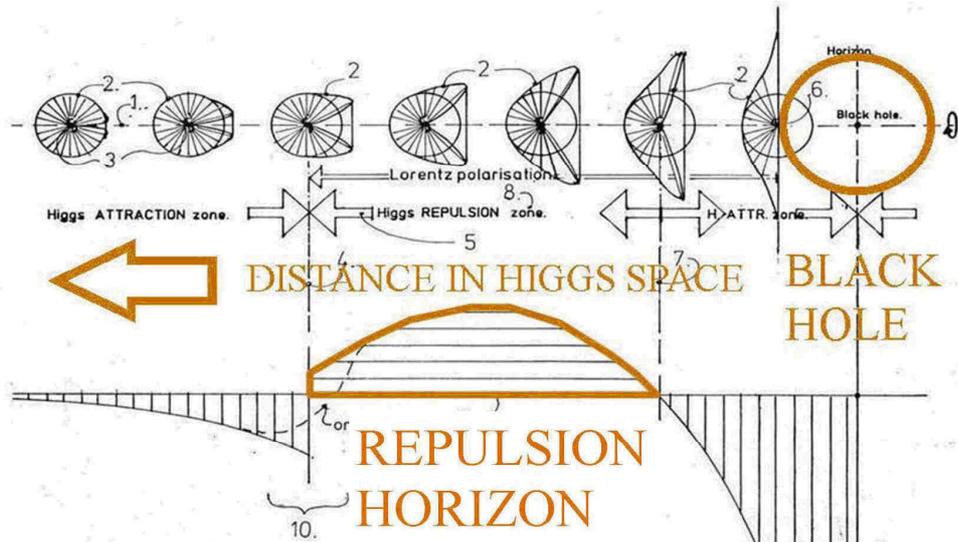


The Fermion resisting Higgs vacuum is at the same time able to push the polarized spinning Fermion in the opposite direction. The result at high velocities is: Cyclotron radiation and Davies-Unruh effect. However, Fermion CONSCIOUSNESS (entanglement between copy particles in the multiverse) is needed to let this happen!

Figure 3, Mass in Motion and the need for a Multiverse guiding system.

Why we need a Multiverse based guiding system, for simple motion of Fermions?  
 The Multiverse seems to need entanglement of all particles even Photons to be able to get Fermions in motion and to prevent chaos.

# The Fermion repelling horizon of new black holes



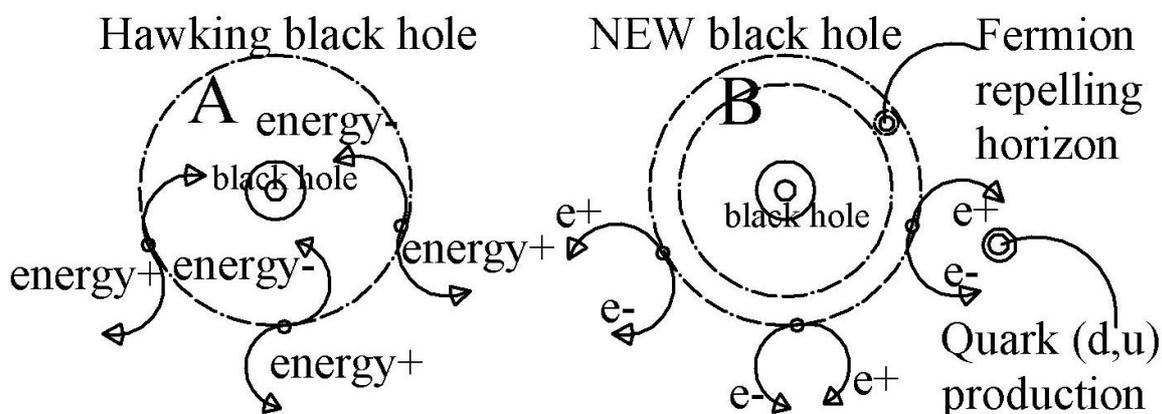
7x Higgs quantum curves (2) are depicted for Fermions (3) with different distance to the BH horizon. At location (10) the spin of the fermions will FLIP due to the propeller shape of the Fermion and an opposing force away from the horizon is created by the Higgs vacuum itself down to location (7). The zone between (7) and (10)

Figure 4, the consequence of the mass in motion postulate is a Fermion repelling Black hole horizon.



Figure 5, A growing ball of 3-D string Higgs particles deformed by the Casimir pressure induced by the absorption process of the energetic oscillating Higgs vacuum lattice

# The NEW Black Hole Paradigm



The standard Hawking Radiation postulate is: that all matter ( NOT all energy) is drawn into the Black hole.

My NEW postulate is that matter is created (and pushed outside) at the Black hole horizon by QUANTUM FLUTUATIONS producing electrons and positrons.

Some electrons and positrons will annihilate, but the rest will form Quarks and plasma, because the Higgs vacuum lattice is CHIRAL and prefer to link gluons to positrons. Thus more electrons will stay single and form atom shells.!

Due to the propeller shape of the particles all the plasma is repelled away from the black hole!! The black hole will not evaporate !

This is the base for NEW Physics and a support for a new explanation of Cometary X-rays, Hydrogen and AMINO ACID production. Even Gas Pillar and Herbig Haro formations inside Nebula become a logic base. Author Leo Vuyk.

Figure 6, The black hole will not evaporate due to the absorption of the Higgs particle based vacuum.

# The OLD and NEW Black Hole differences.

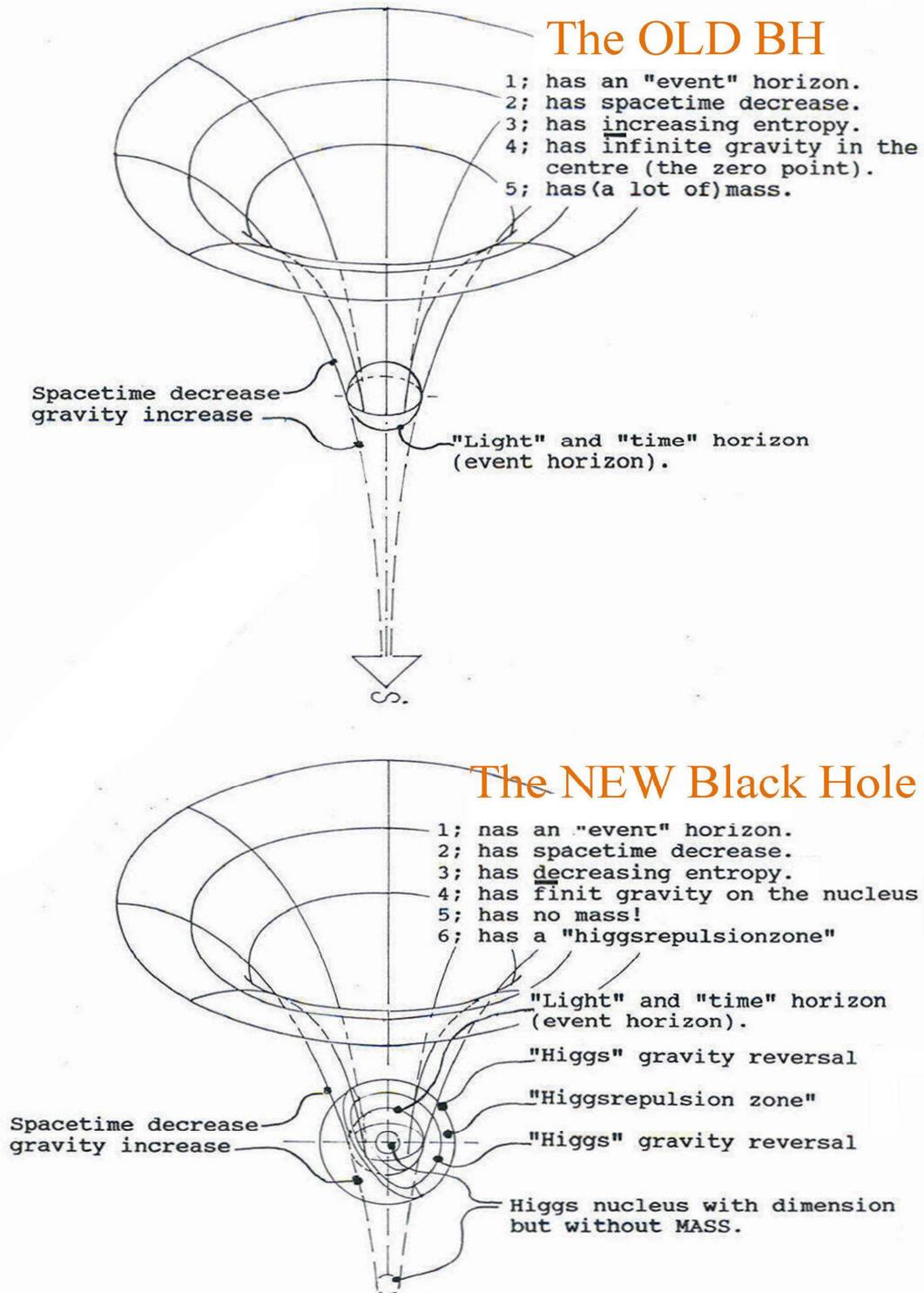


Figure 7, Property differences between NEW and OLD Black holes.



Figure 8, If Ball lightning has a microscopic Black hole nucleus, then we are able to explain its peculiar properties, observed in this Photo, see figure 9.

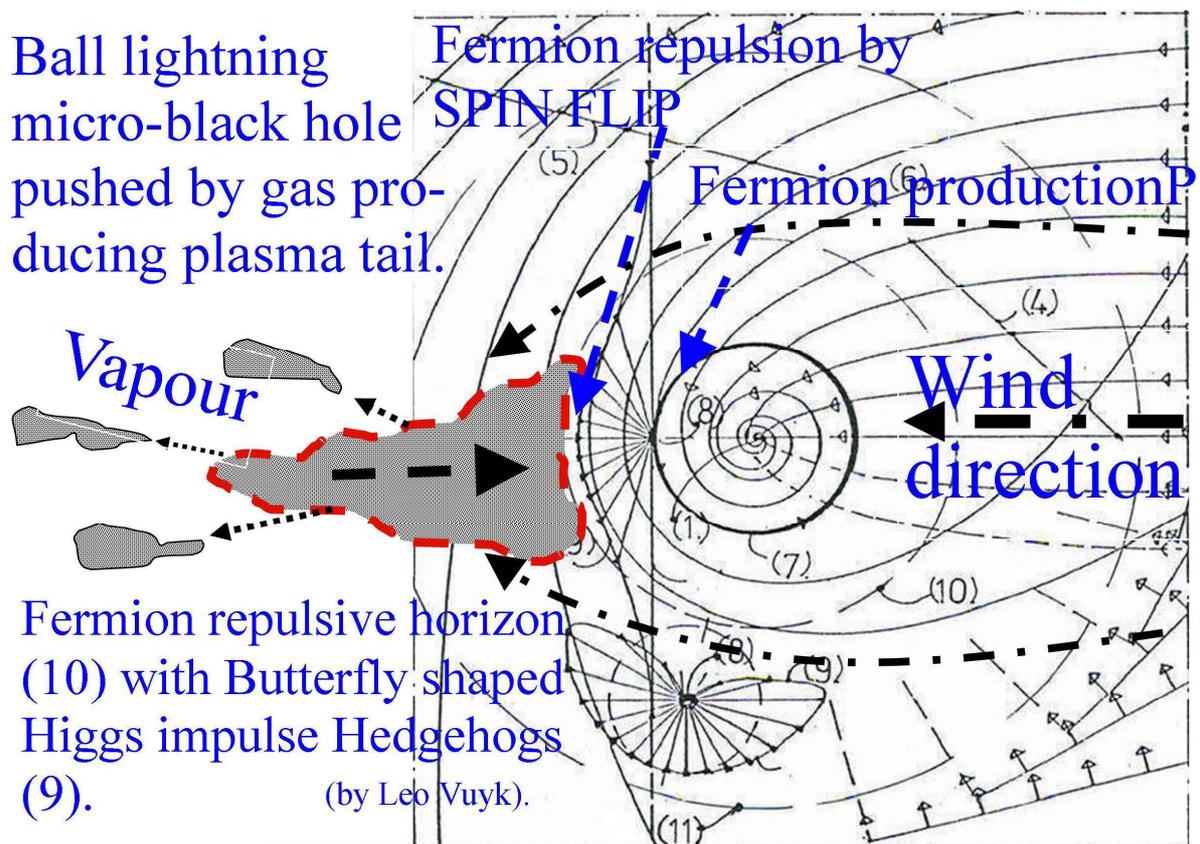


Figure 9, Cross-section through the accelerated ball lightning black hole accelerated by the gas producing plasma tail, observed in figure 8.

Micro Black hole(1), Photon energy absorbed by the black hole (4), -Photon energy not absorbed but bended/lensed by the black hole (5) Photon energy which is forced to stay and accumulate at the horizon (6).

Examples of black hole acceleration by plasma tails in space with the resulting pairing and splitting which seems to be the result, leading to proliferation of black holes through nebula. This observation seems to show, that out of only TWO pairing black holes multiple sets of Herbig Haro objects arises by a splitting process.

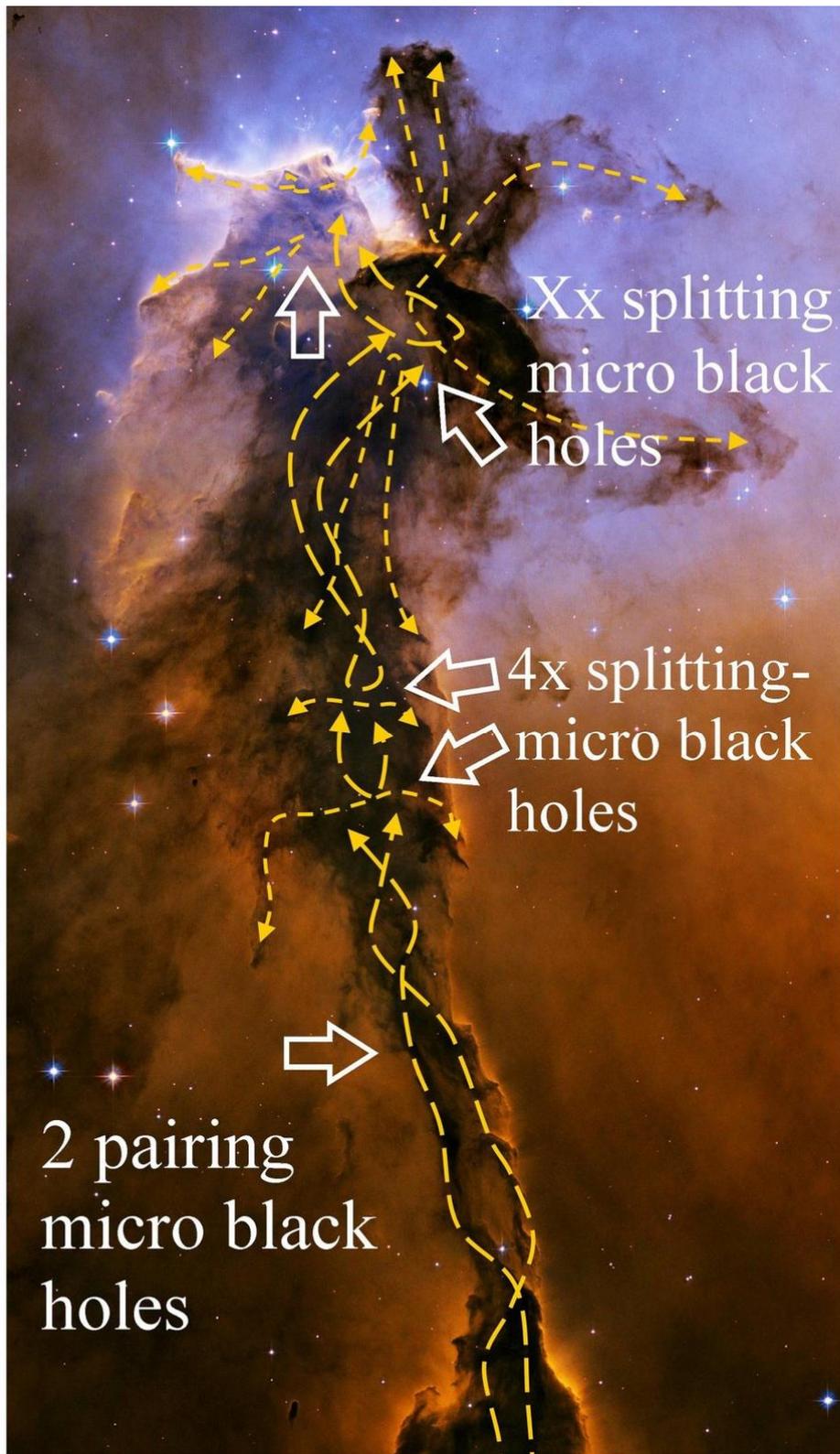


Figure10, Hubble photo of the Spire in the EAGLE Nebula.

What can we say about this peculiar phenomena?

TWO pairing black holes observed inside many nebulas (Eagle, Crab and Carina nebula) seem to form stable Herbig Haro objects if they have comparable sizes.

If they are different in size (the Eagle example, figure 10) then a splitting and reduction process seem to happen, to form Herbig Haro objects for star production in between these dual black hole dumbbell systems.

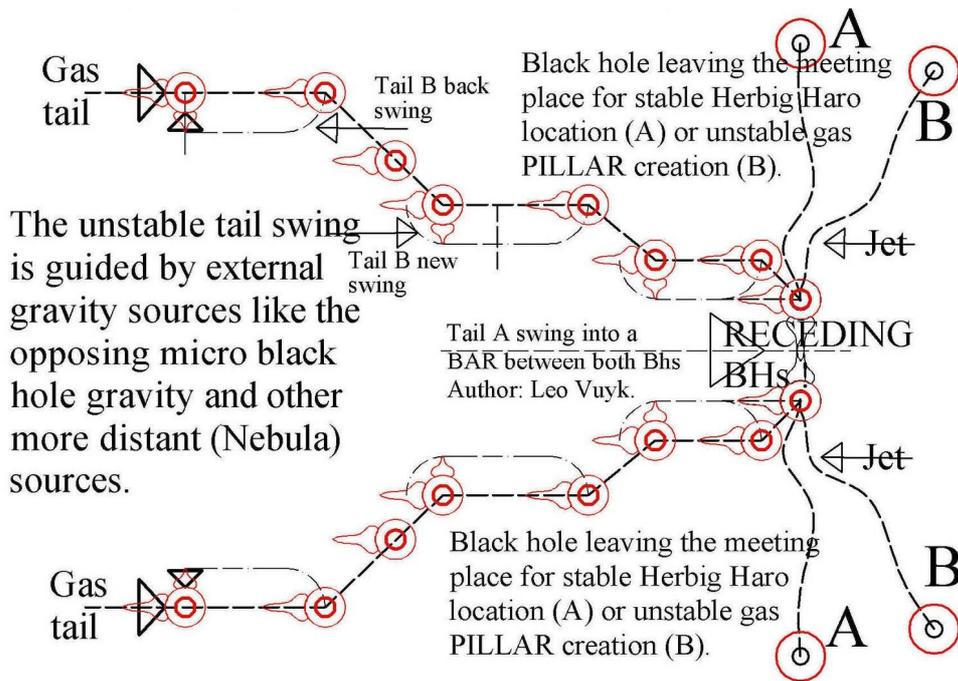


Figure 11, Plasma tails accelerating equally sized black hole nuclei, into pairs of Herbig Haro objects.

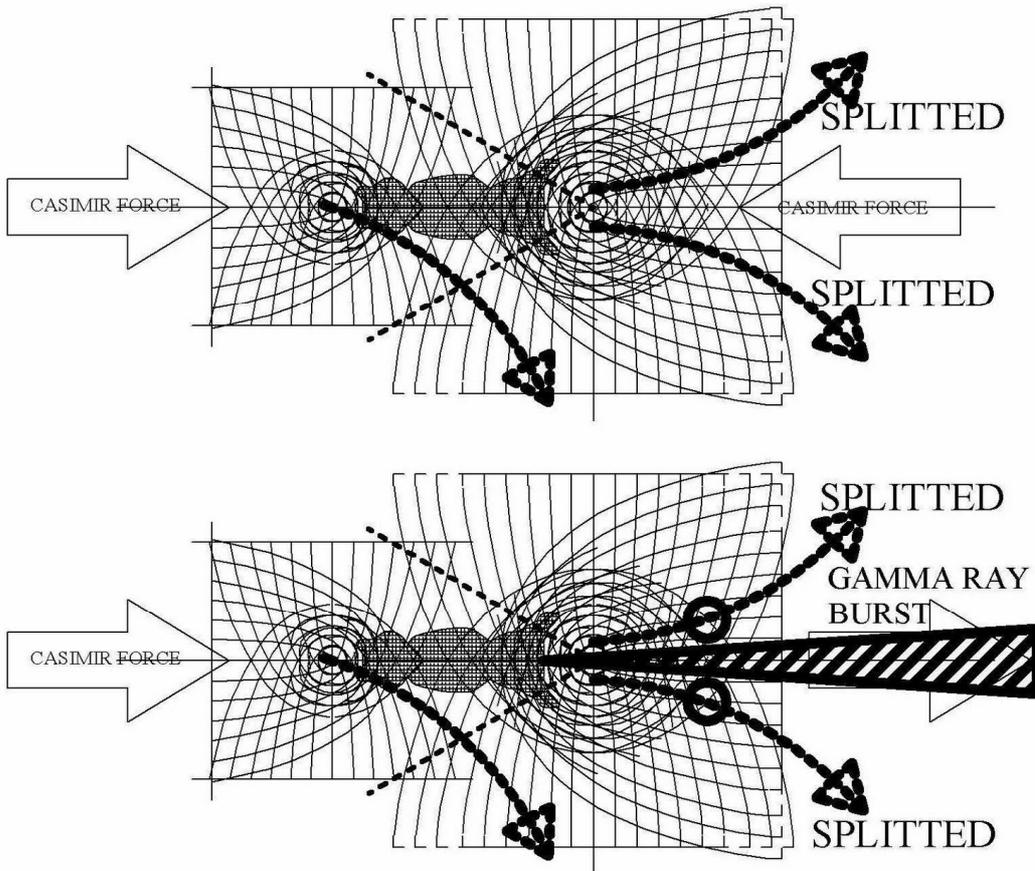


Figure 12, If two different sized pairing black holes meet each other, they seem to split the largest black hole into TWO equally sized copies which seem to be more potent to form Herbig Haro objects. This levelling process is assumed to be the origin of a smooth distribution of Fermion friendly black holes through the universe and the origin of a smooth distribution of dark matter around Galaxies and other systems.

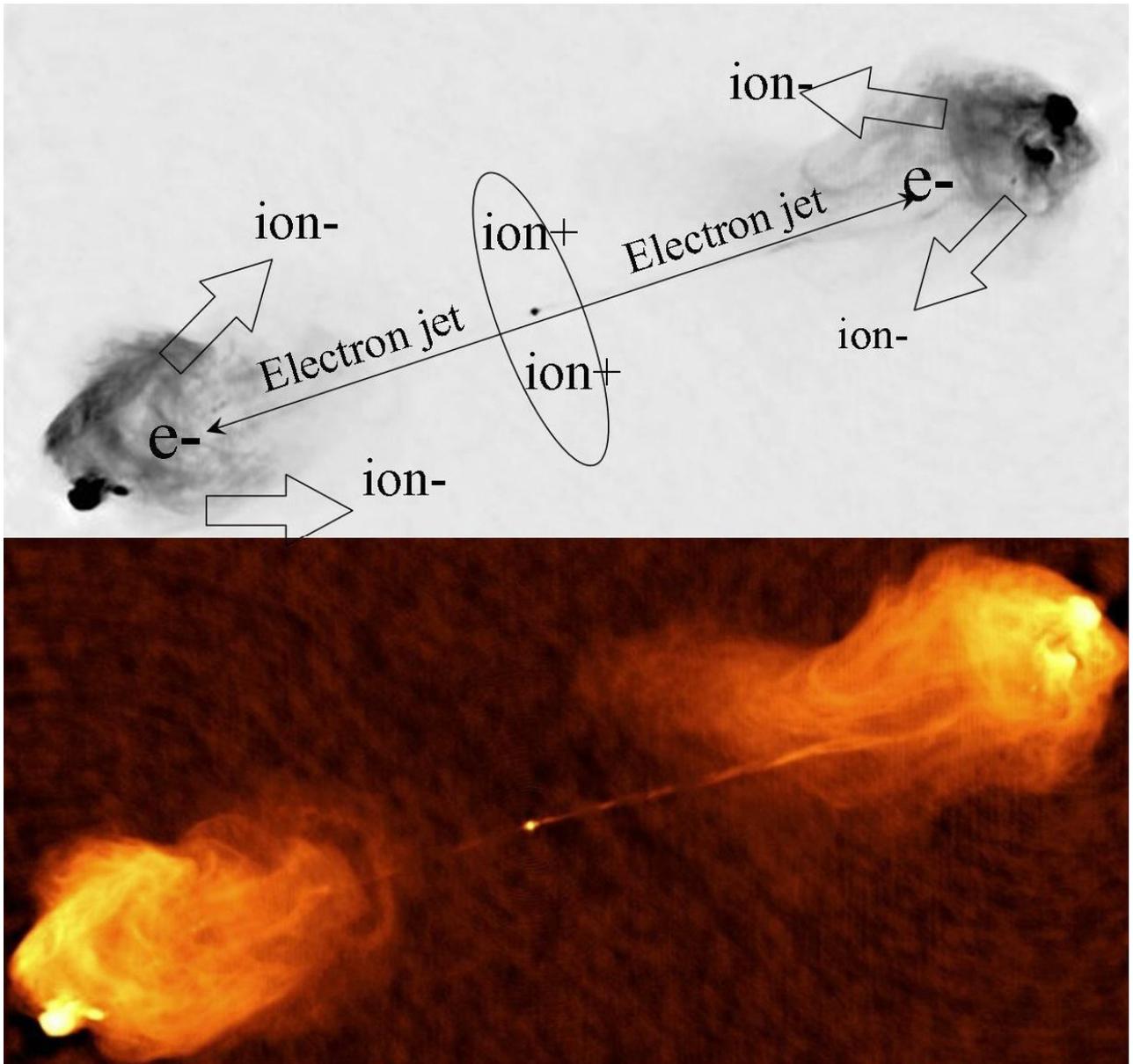
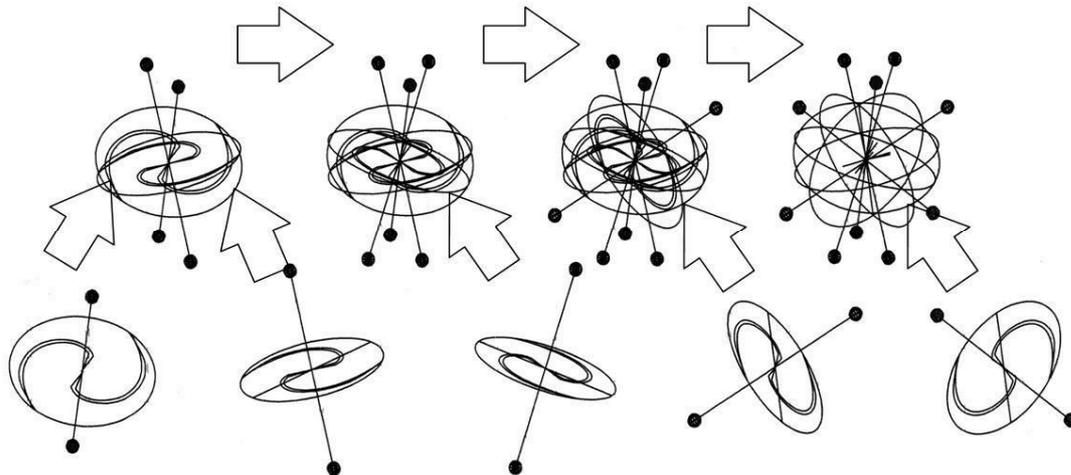


Figure 13 Cygnus A is according to FFF theory, a Radio Galaxy assumed to be a large scale example of Herbig Haro objects producing stars in the middle. Cygnus A however is a production plant for a whole Galaxy.

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 14, The origin of Complex Elliptical galaxies.

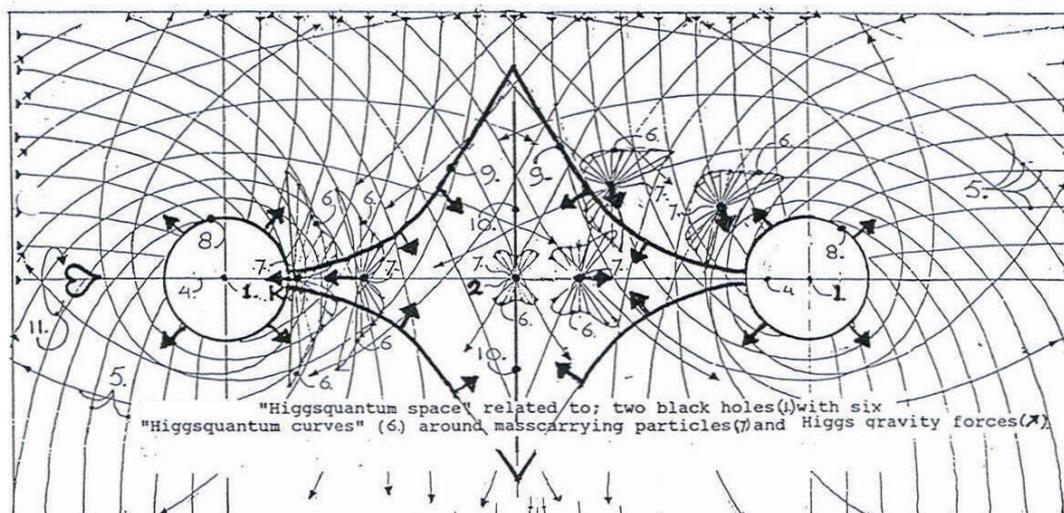
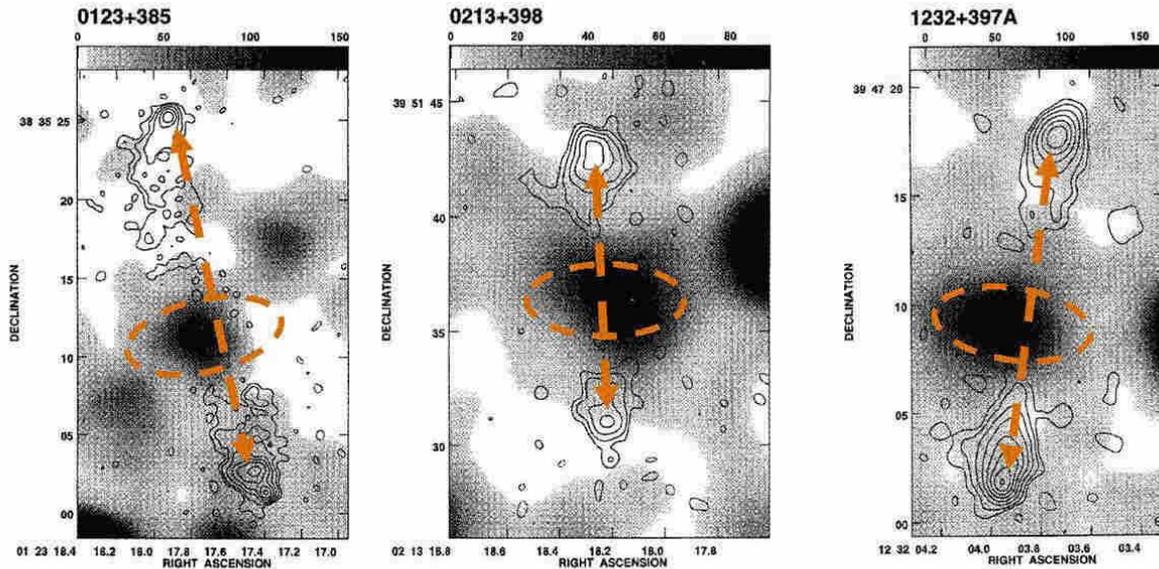
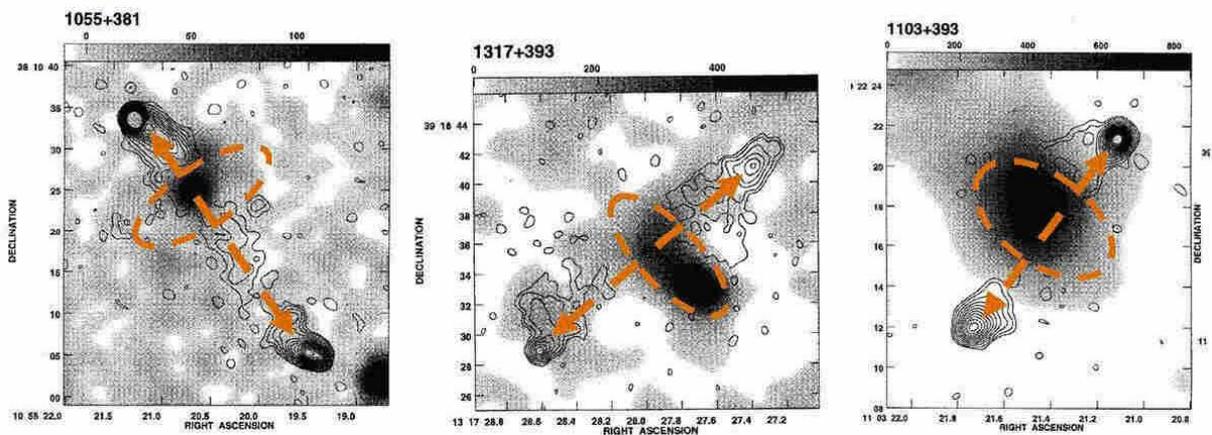


Figure 15, paired black holes are the origin of spacetime deformation of the Higgs vacuum Lattice and the base for Herbig Haro jets and all other particle jets like the Cygnus-A jets. Dual black holes (1), The Central Focus point of all star or Galaxy formation called White hole (2), Local Higgs quantum butterfly curves (6) are depicted around locations (7) Black hole event horizon (8)

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

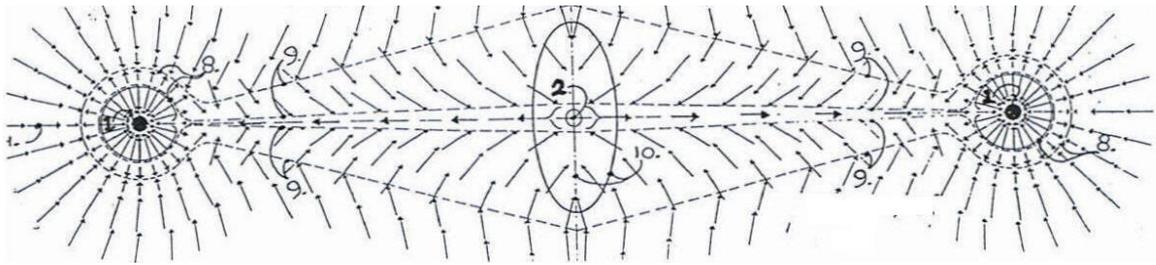


All images are copies from: The Astronomical Journal Vol 109 nr 2 Febr. 1995. the article is called: Faint B3 Radio Galaxies: Luminosity versus evolution effects, authors: F.N.Owen ad W.C. Keel.



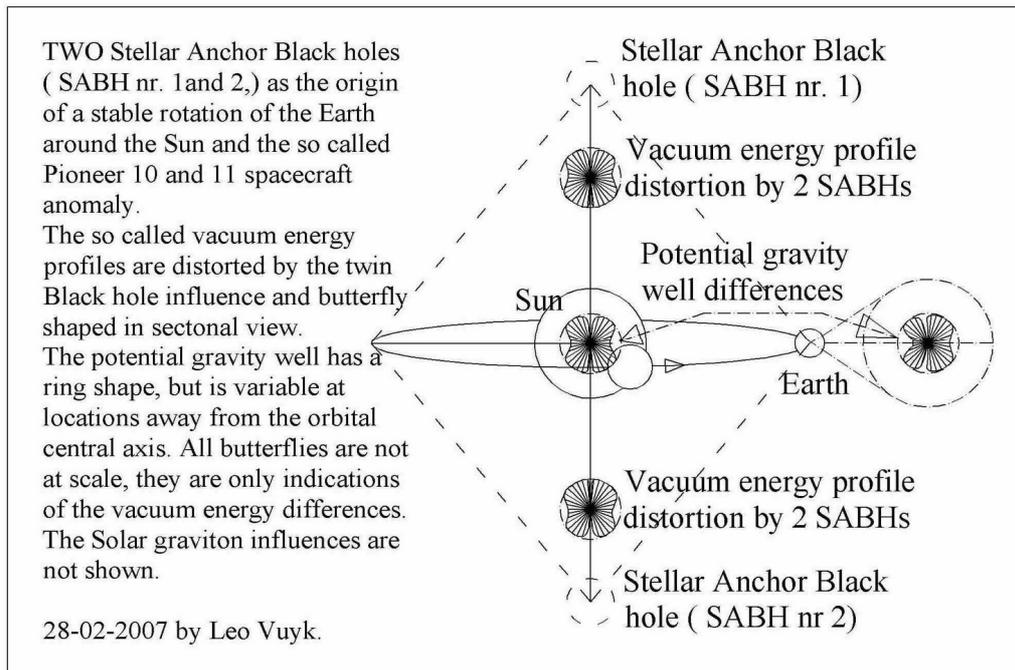
Pairing black holes in alignment with fast forming Galaxies in between them seem to be presented here just like the Cygnus-A Galaxy. However we need a new black hole paradigm for that! Black holes should have a globular -but narrow- Fermion repelling and Fermion creating horizon with entropy decrease! 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 16, Examples of Galaxy anchor Black holes at both sides of the Galaxy.



**Figure 17, The concentration of Higgs energy around both Black holes (1) the White hole (2) and electron jet channel (9) is depicted by arrows.**

Pairing Black holes at all scales is assumed to be present even for our Solar system!



**Figure 18, Cross section through the solar system with polar Stellar Anchor Black Holes (SABHs) and indications of the vacuum energy profile distortion, presented as arrays of globular-Higgs pressure vector arrays in butterfly shape.**

## Conclusion,

The Stellar Anchor Black Hole influence around the Sun could explain the so called Pioneer 10-11 gravity anomaly, because the butterfly shape of the Higgs quantum curve shows a clear necking in the equatorial plane of the Sun..

Just like Cygnus A, there are indications that our Sun is equipped with POLAR electron jets leaving for the two or even more still undiscovered SABHs.

As a result our Sun is the centre of a **perpetual electron pump** with a strong positive charge and a stream of electrons channelled back along the Planets.

**If we are able to harness such dual or even multiple Micro Black hole systems, with the size of Ball lightnings, we must be able to reproduce this perpetual electron pump system on Earth to become free energy for all.**

Pairing black holes seem to be present at all scales at all phases of the Universe, from Ball lightning, Comet nuclei, Sunspots, Stellar Anchor Black Holes (SABHs) Herbig Haro Objects, Galaxy Anchor Black Holes (GABHs) located just outside Galaxies and even the Big Crunch Black Hole. (BCBH)

The fast creation of Galaxies in the early universe could be explained by this process. The Big bang seems to be no more than a comparable splitting process of a Big Crunch Black Hole.

If black holes eat the vacuum Higgs lattice, then we may expect that the Universe is contracting after it has been evaporated and partly splitted the full Higgs contents of the Big Crunch Black Hole nucleus.

As a consequence, we seem to live inside a PULSATING Multiverse system with anti-Copy mirror universes mutual entangled down to the scale of each Quantum. That there is reason to assume that this multiverse has a globular symmetrical form, like a raspberry or blackberry, we will describe in a future letter.

### 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.

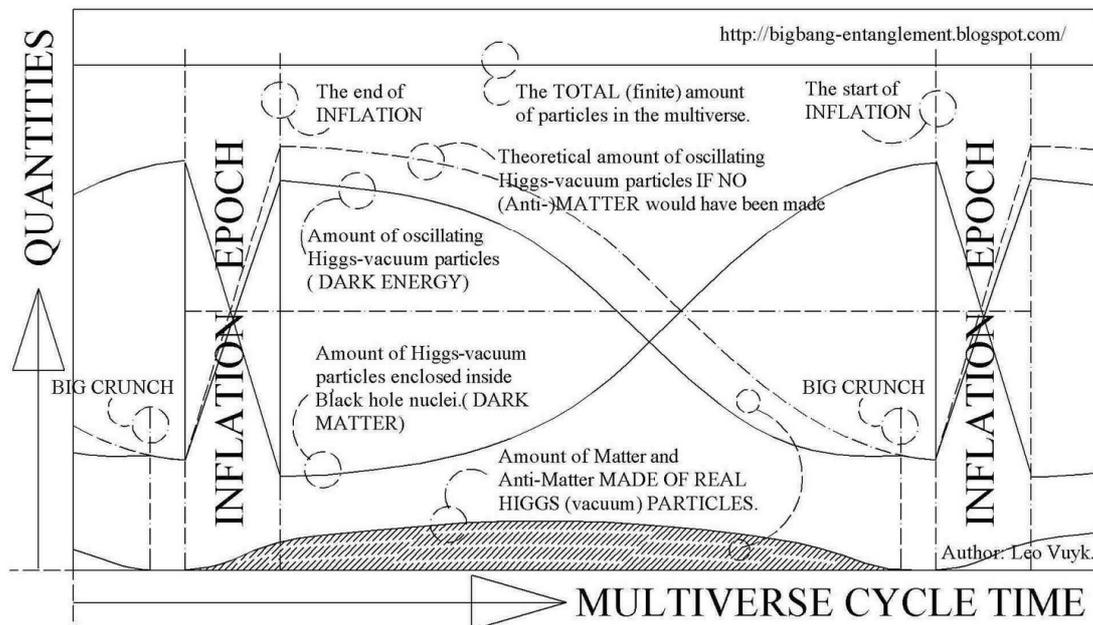


Figure 19, Model of the cycle of a pulsating Multiverse.

## **Dark matter Signals.**

Dark Matter research signals are already aiming into the direction of the new Black hole paradigm predicted by Q-FFF theory.

Q-FFF theory states: Dark matter is the same as “new paradigm Black holes” of all sizes, from “Big Bang splitting Black holes” down to Comet nuclei, Sunspots and even Ball Lightning.

“New” Black holes constantly produce an equal number of electrons and positrons with a rate depending on the BH horizon curvature.

These particles annihilate up to a certain percentage and as a result, radiate the well known annihilation  $\gamma$ -rays.

Due to the chirality of the oscillating Higgs vacuum lattice left or right, in each single universe of the multiverse there is a presumption of positrons ( in our universe) to become a composite u-quark together with one or two photon/gluons in the first place. As a result mainly Hydrogen gas is produced (see: Cygnus-A dumbbell gas knots).

According to Q-FFF theory, Globular shaped Dwarf galaxies are supposed to harbour one giant Black hole in its centre and multiple smaller Black holes floating outside and even inside the dwarf galaxy. Globular star cluster should have the same structure.

Now I found some evidence for this assumption by the discovery of a strong clumsiness of “dark matter” around Dwarf galaxies found by: Ald’ee Charbonniera et al. see ref [12] and below.

Clumpy: a code for  $\gamma$ -ray signals from dark matter structures

Ald’ee Charbonniera, C’eline Combet<sup>b,c</sup>, David Maurina<sup>a,b,c,d</sup>

<http://arxiv.org/abs/1201.4728>

Introduction :

“Despite the several astrophysical evidences pointing at the existence of dark matter (flat rotation curves of galaxies, gravitational lensing, “bullet cluster”, etc.), its nature still evades us.

This search has become one of the major topic in both particle physics and astrophysics and is tackled using either direct or indirect detection methods. For the former, the hope is to directly witness the interaction of a dark matter particle with a detector.

The indirect approaches aim at measuring the end products of dark matter annihilation/decay (e.g.,  $\gamma$ -rays, positrons, antiprotons).

The detection of  $\gamma$ -rays was soon recognised to be a promising channel [1, 2]. If such a signal is yet to be measured by the existing  $\gamma$ -rays observatories (FERMI, HESS, MAGIC, VERITAS), the prospect may significantly improve with the forthcoming next-generation instruments, such as CTA [3].”

The images below (figure 20) found on the former paper are supposed to be a support for the Q-FFF Black hole distribution proposal for Galaxy Anchor Black Holes (GABHs) around dwarf galaxies.

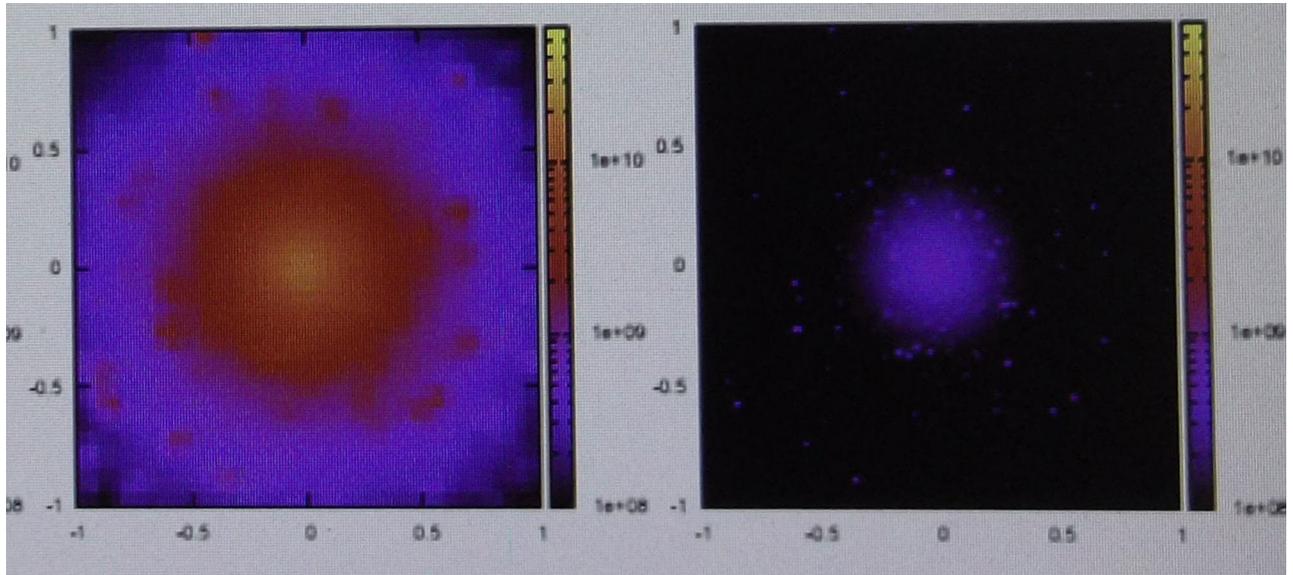


Figure 20.

**More examples of GABH Clumpy dark matter distribution around Galaxies. (Sombrero Galaxy fig 21, and Zwicky 18, Fig 22,23, below)**



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.

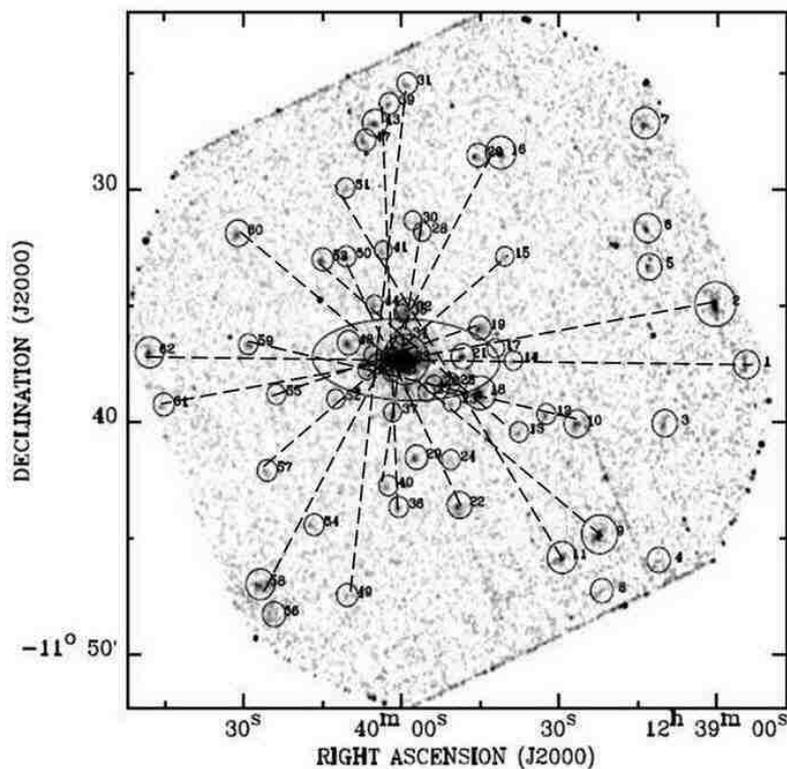


Figure 21. Sombrero galaxy with multiple GABHs .

## Zwicky 18:

Nature: “The rarity of dust in metal-poor galaxies” 08 December 2013.

David B. Fisher, Alberto D. Bolatto, Rodrigo Herrera-Camus, Bruce T. Draine  
Jessica Donaldson, Fabian Walter, Karin M. Sandstrom, Adam K. Leroy, John  
Cannon & Karl Gordon

<http://www.nature.com/nature/journal/vaop/ncurrent/full/nature12765.html>

The official text about this image:

“The emission we detect in both far-infrared filters is contained within a small region (15" or 1.3 kpc). We note that the off-target peaks (orange) in the 160- $\mu\text{m}$  map (right image) are not noise: they are all coincident with peaks in the 100- $\mu\text{m}$  map, and are therefore most probably background targets.”

However, “probably background targets” should according to Q-FFF Theory, be called ; 4x Galaxy Anchor Black Holes.

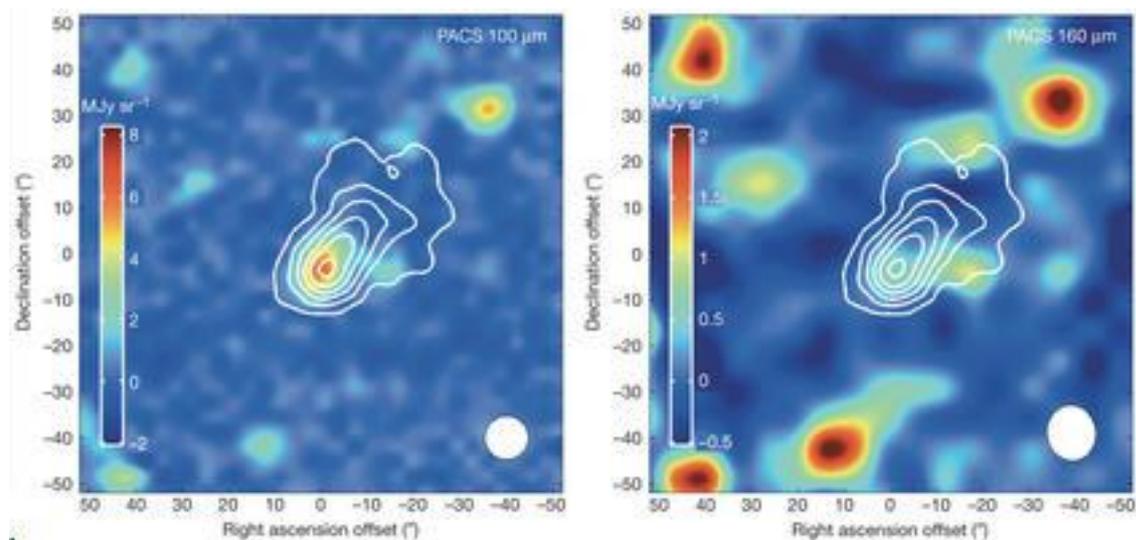


Figure: 22, Dwarf galaxy Zwicky 18 ( in the middle), The 4x orange pointlike elements in the right image are supposed to be Galaxy Anchor Black Holes of surrounding distant Galaxies together able to form Zwicky 18 and the smaller companion. ( not presented)



Figure: 23 Hubble image of zwicky 18 (left) with companion (right).

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**Black Hole Horizon Curvature Dependent Balance Between Plasma Creation and e-e+ Annihilation in Quantum FFF Theory.**
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- [9] [viXra:1103.0068](#) *submitted on 16 Mar 2011*  
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- [10] [viXra:1103.0024](#) *replaced on 24 Mar 2011*  
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- [11] [viXra:1103.0015](#) *submitted on 5 Mar 2011*  
**Wavefunction Collapse and Human Choice-Making Inside an Entangled Mirror Symmetrical Multiverse.**
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<http://arxiv.org/abs/1201.4728>
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ISBN number 978-1-4092-1031-3  
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