

## **Quantum FFF Theory in posters.**

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### **Abstract,**

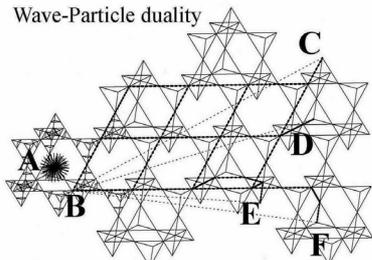
FUNCTION FOLLOWS FORM in Quantum FFF THEORY.

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 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, (Micro) Comets, Lightning bolts, Sprite Fireballs and Ball Lightning.



# What is wrong with Physics

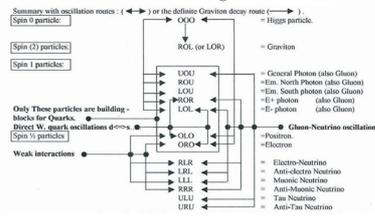
## Wave-Particle duality



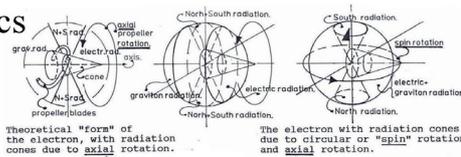
Photon trajectories through the tetrahedral Chiral vacuum lattice.

A photon is created as a deformed Higgs particle at position (A), thus as a single (Photon/Gluon) particle which after some distance changes form back into a Higgs particle (D). The photon energy is transferred into the oscillating Higgs system and travelling through the vacuum lattice in the form of a pulsating BUNCH of entangled energetic Higgs oscillations with the local speed of light. The distance between two cycles of the bunch resembles the wavelength of the photon pulsating bunch. (the bunch idea matches with the single photon double slit experiment) After collision with a second Fermion, at locations C,D,E,F the BUNCH of the energy collapses and change the FORM of a local Higgs particle into the shape of the original Photon. Five different shaped Gluons after some distance are called Photons. Thus five different shaped Photons start their journey as Gluon. Author: Leo Vuyk.

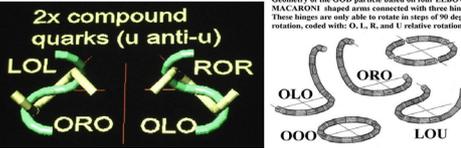
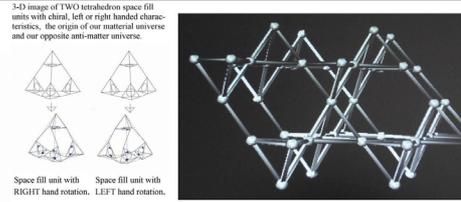
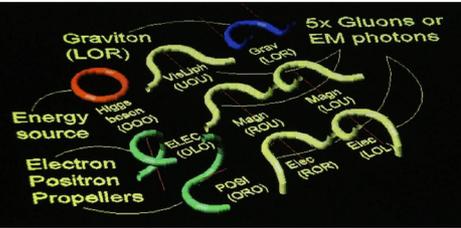
Explanation of the codes:  
 U= Up rotation (180 degrees)  
 O= Unchanged circle  
 L= Left rotation (90 degrees)  
 R= Right rotation (90 degrees)



Author: Leo Vuyk 30-01-2011 NL



Theoretical "force" of the electron, with radiation cones due to circular or "spin" rotation and axial rotation. The electron with radiation cones due to circular or "spin" rotation and axial rotation. 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.



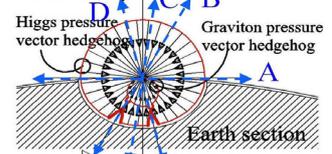
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# At the Quantum level



## Double LeSage Quantum Gravity.

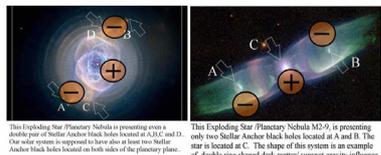
Higgs/Graviton pressure vector hedgehogs acting on a mass carrying Quantum particle. The irregular distribution of mass inside the earth is supposed to influence the 3D pressure vector hedgehog according to the new Double LeSage gravity paradigm, see image below. Author Leo Vuyk.



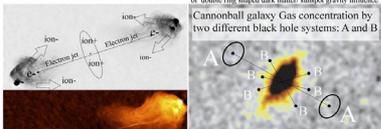
Locations inside the Earth, with extreme high mass concentration, (near Volcanos) measured by inertia pendulum experiment.

Oscillation directions A,B,C,D, of the NEW Inertia Oscillator device, will give larger DAMPING differences as expected by Newtonian gravity rules

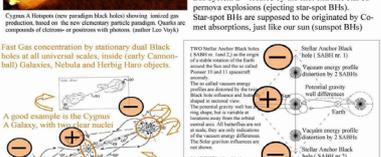
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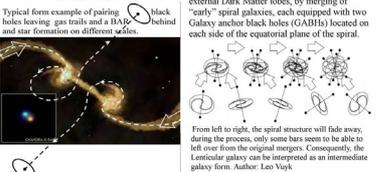
This Exploding Star (Planetary) Nebula is presenting even a double pair of stellar anchor black holes located at A,C,C' and D. Our solar system is supposed to have also at least two stellar anchor black holes located on both sides of the planetary plane.



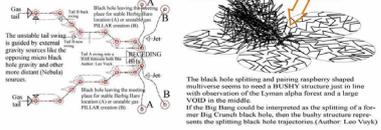
Cannonball galaxy Gas concentration by two different black hole systems: A and B



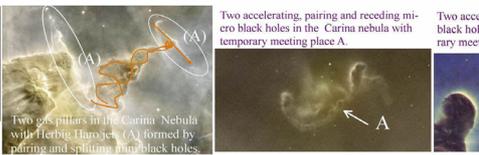
Fast Gas concentration by stationary dual black holes at all universal scales, inside (early) Cannonball galaxies, Nebulae and Helix/Halo objects.



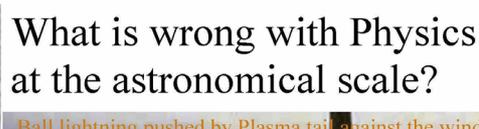
The origin of Elliptical Galaxies and complex external Dark Matter lobes, by merging of "early" spiral galaxies, each equipped with two Galaxy anchor black holes (GABHs) located on each side of the equatorial plane of the spiral.



Two pairing and receding micro black holes, propelled by unstable limited gas tails, as observed in many Helix, Carina, Eagle, Crab etc. creating BH objects or Gas Pillars.



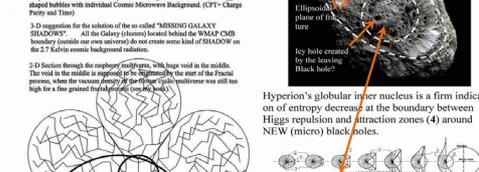
Two accelerating, pairing and receding micro black holes in the Carina nebula with temporary meeting place A.



Two accelerating, pairing and receding micro black holes in the Carina nebula with temporary meeting place A, and ionised H2 gas trail.



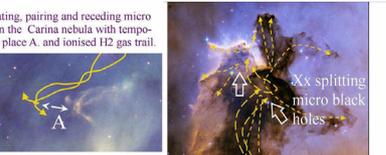
Vapour trail washed out by the wind



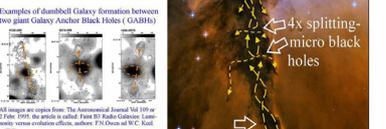
The raspberry multiverse. The CPT symmetric multiverse universe seems to be the result of fractal shaped reproduction of the content of a cyclic created by cosmic black hole, into egg shaped bubbles with minimal Cosmic Microwave Background (CPT- Charge Parity and Time).



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



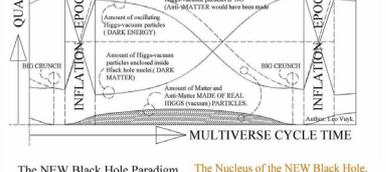
Two accelerating, pairing and receding micro black holes in the Carina nebula with temporary meeting place A, and ionised H2 gas trail.



Examples of dwarfed Galaxy formation between two gas Galaxy Anchor Black Holes (GABHs)



The CPT SYMMETRIC MULTIVERSE CYCLE. The Inflation epoch starts if the decreasing vacuum pressure equals the increasing Higgs tension of the Big Crunch black hole nucleus. Inflation epoch ends if all splintered black hole nuclei are evaporated, or left behind as Galaxy Anchor Black Holes.



The NEW Black Hole Paradigm. The Nucleus of the NEW Black Hole.

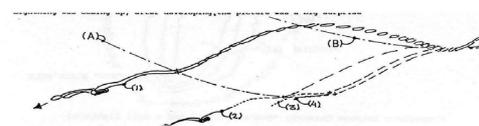
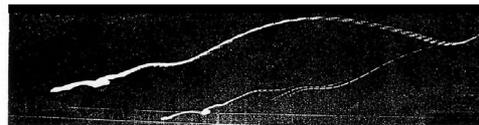


7x Higgs quantum curves (2) are depicted for Fer

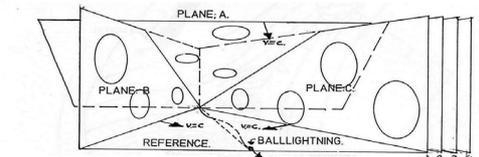
Author: Leo Vuyk 4-02-2011 NL

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# THE SECRET OF BALL LIGHTNING. Its production by e.m.- x-ray interference into a KNOTTY Nucleus, able to accelerate, decrease Entropy and produce Vapour.

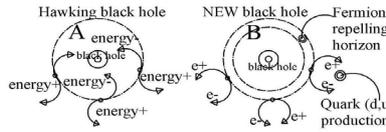


The creation of BL by x-ray interference



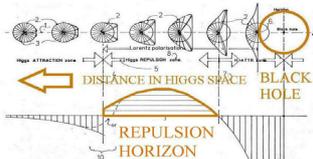
Author: Leo Vuyk 10-02-2011 NL.

## 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 even created (and pushed outside) at the Black hole horizon by QUANTUM FLUCTUATIONS producing Electrons and Positrons.  
 The reason for this NEW Fermion production effect is, that it is a consequence of the concentration of head-on Higgs particle collisions just at the horizon. 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 and form U- Quarks in favour of Electrons and Gluons, which form D-Quarks.  
 Thus more Electrons will stay single and form Hydrogen atom shells. However they have less mass than Quarks and feel less attraction to the Black hole inner shell of Protons and some Neutrons!  
 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.

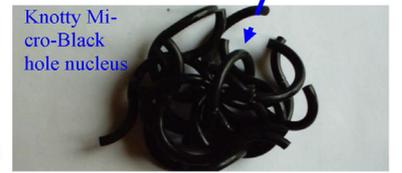
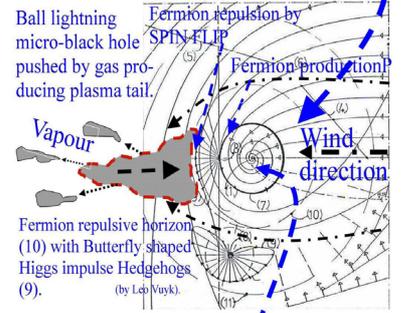
## The Fermion repelling horizon



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)

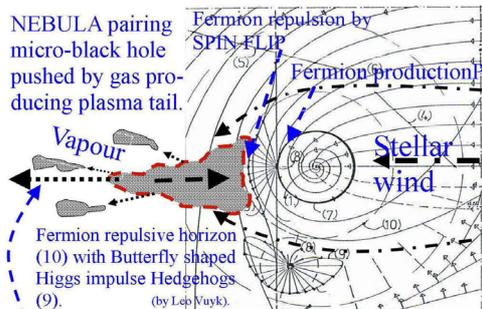


How is the vacuum able to release energy to overcome the opposing wind? By SPIN FLIP and the Plasma tail is always swept at the back of the BL by the wind itself!



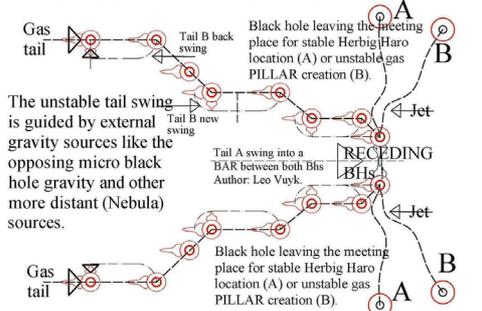
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# The Dynamics of accelerating MICRO Black holes inside Nebula and on Earth



The direction of the pushing Plasma Tail is influenced by opposing stellar winds AND neighbouring gravity objects like other pairing and Splitting black holes.

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.

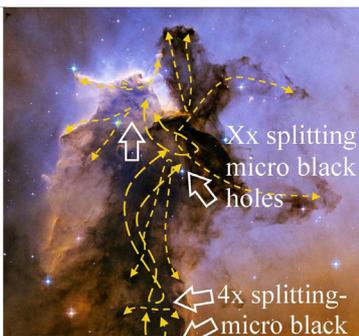
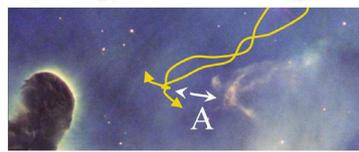


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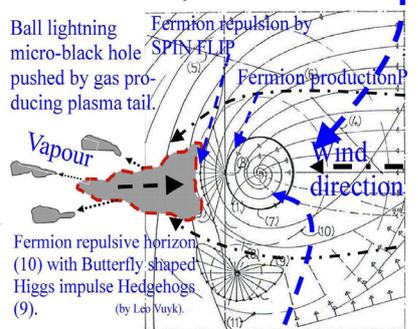
## EXAMPLES OF ACCELERATED BINARY BLACK HOLES IN THE CARINA NEBULA.



Two accelerating, pairing and receding micro black holes in the Carina nebula with temporary meeting place A. and ionised H2 gas trail.



How is the vacuum able to release energy to overcome the opposing wind? By SPIN FLIP and the Plasma tail is always swept at the back of the BL by the wind itself!



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# Quantum FFF Theory, some additional features.

## W+Z +Top Prime Quarks



2x mirror Symmetric Z particle left (1xElectron+1xPositron, ),  
 rightside: 2x mirror A-symmetric W $\pm$  particles. (W $^-$ :2x electron+ 1x Positron, W $^+$ : 2x Positron and 1x Electron)



Attention: 2x2 Mirror images (author: Leo Vuyk)



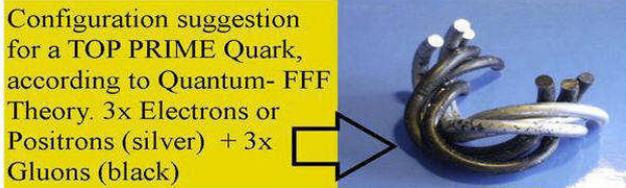
6x STRANGE quarks



6x TOP quarks

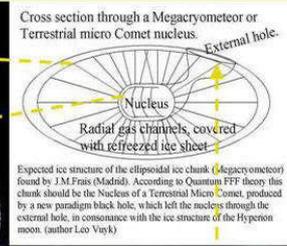
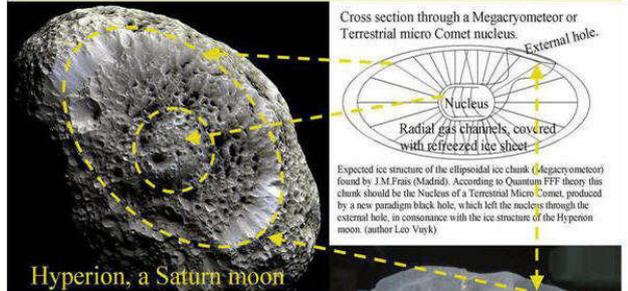
2x electr/positr+1x Gluon

3x electr/positr+2x Gluon



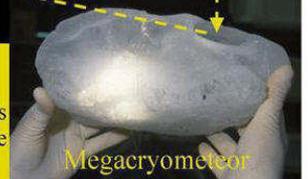
Configuration suggestion  
 for a TOP PRIME Quark,  
 according to Quantum- FFF  
 Theory. 3x Electrons or  
 Positrons (silver) + 3x  
 Gluons (black)

## Micro Comets



Hyperion, a Saturn moon

The relation between the Hyperion ice structure and the structure of a Megacryometeor as the result of Micro Black hole ice production inside both nuclei.



Megacryometeor

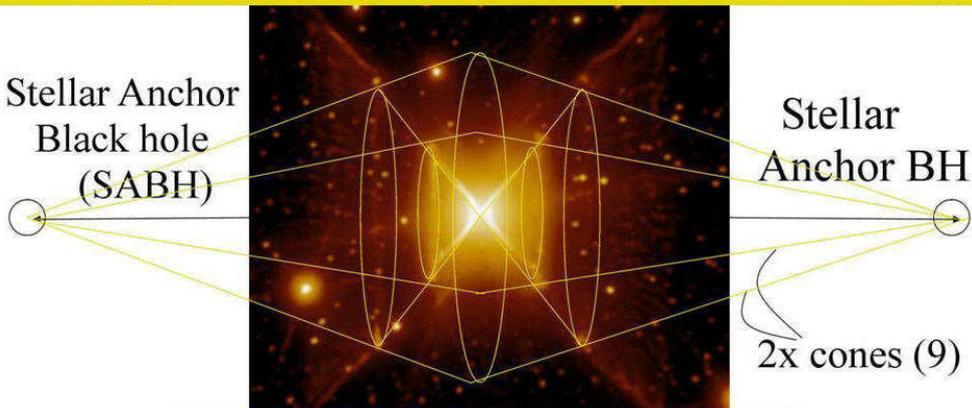


Other examples of micro Comets observed in Norway and Canada..



## Double Coned SABH Interference

The origine of Double MWC922 interference rings



SABH interference rings with double coned starspot distribution.

## References:

[1] [viXra:1103.0068](#) submitted on 16 Mar 2011

**Function Follows Form, at the Quantum Scale and Beyond.**

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Category: [Quantum Gravity and String Theory](#)

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Category: [High Energy Particle Physics](#)

[4] [viXra:1103.0011](#) submitted on 3 Mar 2011

**An Alternative Black Hole, Provided with Entropy Decrease and Plasma Creation.**

Authors: Leo Vuyk

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[5] [viXra:1103.0002](#) submitted on 1 Mar 2011

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Author: Leo Vuyk

Category: Astrophysics

[12] [viXra:1104.0044](#) 13 Apr 2011

**Ball Lightning, Micro Comets, Sprite-Fireballs and X-Ray/gamma Flashes According to Quantum FFF Theory**

Authors: Leo Vuyk

Category: Astrophysics