Ball Lightning, Micro Comets, Sprite-Fireballs and X-ray/Gamma Flashes according to Quantum FFF theory.

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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, Sprites and Elves, Sprite Fireballs and 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 hole, is supposed to be the origin of a smooth proliferation of black holes in the universe and Gamma ray Bursts (GRBs). The Eagle Nebula, (figure: 10) seems to be a great example of a smooth proliferation of black holes by the splitting of black holes through Galaxies and Nebula.

In this letter, we present a comparable system of splitting black holes on the micro scale related to Sprites and Lightning bolts.

Production hypothesis for Ball Lightning and Micro Comets on Earth, according to Quantum FFF theory. 12-April 2011. Author Leo Vuyk.

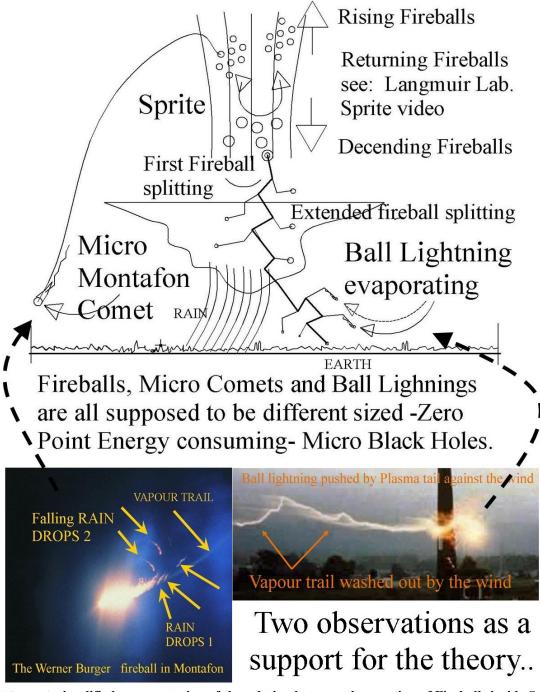


Figure 1, simplified representation of the relation between the creation of Fireballs inside Sprites and Lightning strokes with the resulting fireball effects on Ball lightning and Micro Comets as is found in Austria (Montafon area) by Werner Burger.

Werner Burger reported: some raindrops fell thunder storm was far away. A strong support for the hypothesis that Sprites located at the top of heavy Thunderstorms produce Fireballs (micro black holes), which can travel over long distances and present themselves as micro Comets or Ball lightning far away from the Thunderstorm.

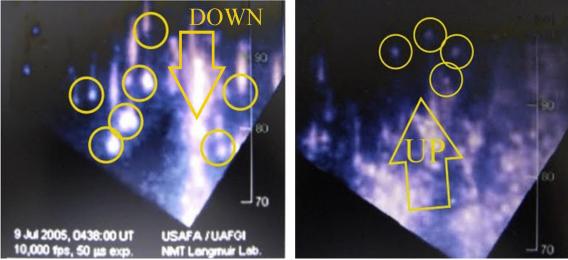


Figure 2, FIREBALL images observed inside a Sprite by a video. The video is made by a High speed camera (10.000 f/sec) of the Langmuir laboratory (USA, 2005) looking at 70-120 km altitude.

Left side: Fireballs are rapidly falling, right side and with only micro seconds delay, smaller Fireballs are rising.



Figure 3, Micro black holes, splitting and evaporating at the top of the lightning leaders, sometimes assumed to evolve into a ball lightning.

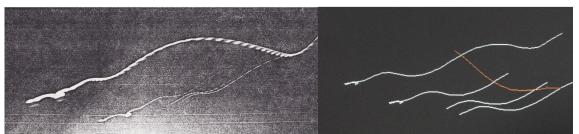


Figure 4, Example of micro black hole production possibly by strong electromagnetic or x-ray interference at sea level. There are four traces to be observed with comparable waveforms. (see also at the right side: reconstruction image). The left photo is made by Mr. Overhagen (the Netherlands) by automatic shutter camera through his roof window, during heavy thunder storm. The two bumps at the end of two waveforms could be the start of the formation of a micro Black hole.

The same formation process is supposed to be active inside Sprites by the formation of Fireballs observed in the Langmuir videos (Figure 2).



Figure 5, Photo of a Ball Lighting made in Japan.

Why is it that Fireballs inside sprites go down and UP again? The reason must be found in the comparison with Ball lightning qualities on earth, they seem to be pushed by plasma tails.

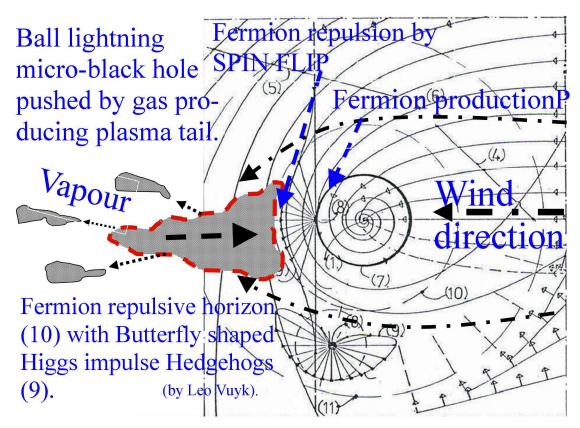


Figure 6, It is assumed that the New Paradigm Black hole is able to use and accumulate so called "Zero Point Energy" to form Plasma tails which seem to be able to push the black hole away from the centre of mass of the earth. (Ref. 4)

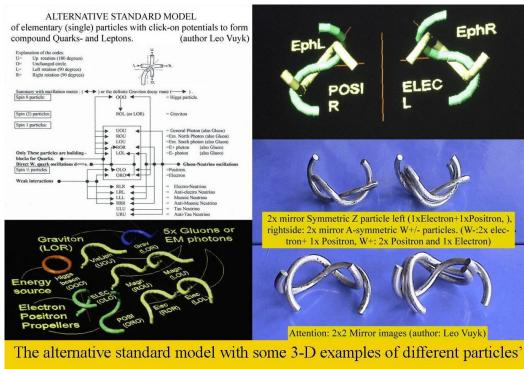


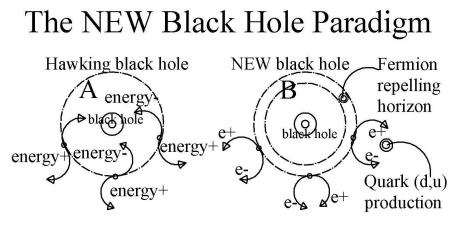
Figure 7, the alternative standard model ref. [5]

The Nucleus of the NEW Black Hole.



A ball of Stringy particles compressed by the oscillation energy of the NEW Higgs vacuum Lattice= DARK ENERGY. The BH Nucleus itself is DARK MATTER.

Figure 8, The NEW micro black hole nucleus is supposed to contain only a small number of Higgs particles. Ref [4]



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 9, Principle of the new black hole paradigm.

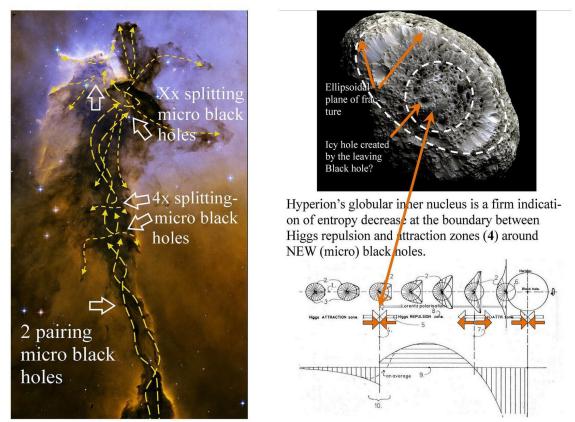
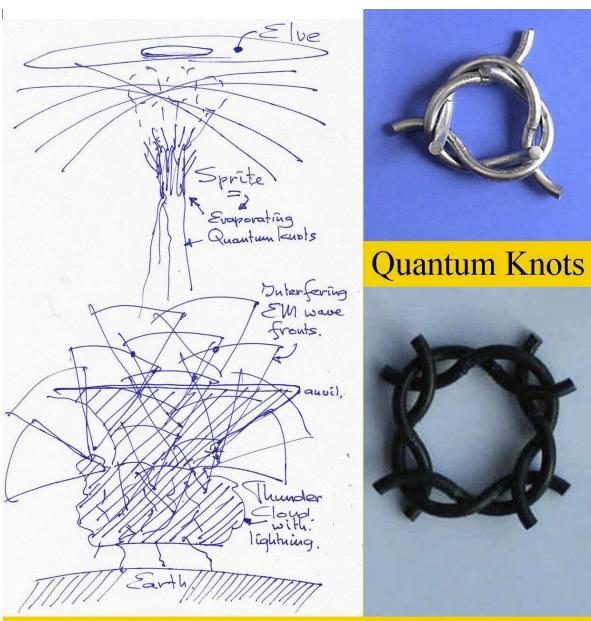


Figure 10, Comparison with splitting and pairing Micro black holes inside Planetary nebula, and the formation of comet nuclei like the Hyperion icy nucleus.

It is assumed that so called Universal Gamma ray Bursts are produced by the splitting of micro or mini-black holes in space, such as inside Planetary Nebula. (figure 10) **Ref [4].**



Quick evaporting Quantum Knots as the origin of Sprites and Elves at high altitudes (50-100 km). According to Qauntum FFF theory, Electro magnetic wavefronts (photons) are in special geometrical cases like Silicon crystal structures, able to form Quantum KNOTS. These knots are supposed to be unstable nano black holes.

Figure 11. Sketch of the Sprite Elve system related to Thunder clouds and interfering EM wavefronts into small and larger Quantum Knots. In the middle of the Sprite however there is real micro comet and Ball lightning forming observed, representing more stable Quantum Knots or micro dark matter based Black Holes.

It was recently confirmed, that strong Terrestrial Gamma ray Flashes (TGFs) where related to Sprites! **Ref [12]**

This seems to be a strong support for the postulate that Fireballs inside Sprites are related to micro black holes.

Professor Joseph Dwyer was the first who found that x-ray flashes where connected to the splitting of stepped leaders of lightning strokes. **Ref [13].**

This seems to be a strong support for the postulate that stepped leaders of lightning, are produced by splitting micro black holes.

Dwyer's main conclusion: As the lightning comes down from the cloud toward the ground in 30- to 160-foot stages known as "steps" in a "step leader" process, the X-rays shoot out just below each step, mere millionths of a second after the step completes!!

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).

QUANTUM FFF Theory.

New Physics by the architecture of Quantum FFF (Function Follows Form)Theory. Characteristics:

1: The clear MICROSTRUCTURE or the 3D FORM of elementary particles, (also called 3D-Preons) made out of convertible Higgs particles, is responsible for "Bound states of Fermions" and composite Quarks.

2: The Higgs is supposed to be energetic oscillating, it is the origin all particle motion and spin states and Dark energy (125 Gev) inside a truncated tetrahedron shaped chiral vacuum lattice. The lattice chirality (left or right handed) is the origin of our material universe. Higgs particles are zero point "Planck Oscillators" the origin of the Casimir force, waiting to be harnessed as free energy.

3: NOTHING SUCKS IN PHYSICS, Gravitons act with less pressure on Fermions than the Higgs vacuum (dark energy) and everything is ENTANGLED by INSTANT communication between at least two anti-copy UNIVERSES or MULTIVERSE, being entangled since the big bang.

4: Black holes of all sizes (down to ball lightning) do not emit gravitons, they feel only Casimir Gravity of the vacuum oscillations so they are massless but counter intuitively the origin of dark matter and producers of all Hydrogen by electron and Positron pairs as horizon fluctuations and repell all Fermions at the BH horizon.

5: The Multiverse is Pulsating by two phenomena, A; vacuum (Higgs) eating new paradigm dark matter black holes (causing the Hubble redshift) and B: by universal expansion caused by the oscillation force (Dark energy) of the Higgs vacuum lattice.

FUNCTION FOLLOWS FORM in Quantum FFF-Theory. The Microstructure of elementary particles, is supposed to be the origin of FUNCTIONAL differences between Higgs- Photonand propeller shaped Fermion particles. Something SMALL is missing in mainstream physics: a NEW splitting and pairing MASSLESS BLACK HOLE, the origin of all dark matter, Ball Lightning Micro Comets, Comets, Sunspots up to Galaxy external Anchor Black Holes and the Big Crunch of the CP symmetric pulsating raspberry shaped multiverse.

The multiverse is a huge pinball machine, with dark energy in the form of linear oscillating double Higgs pins as the origin of photonic collision products with the propeller shaped Fermions as balls. All forces are the result of this entangled Pin-Ball interaction. The 125GeV Boson recently found in the LHC is not a single but a double massless 3rd generation Higgs boson linear oscillating in tandem as opposing boxer engine pistons in a chiral truncated tetrahedron lattice. The 125GeV energy is the base for universal dark energy, the frequency is the base for local time and the length a base for the Planck scale. (Twin Higgs, Dual Higgs, Duplex Higgs, or Tandem Higgs) AS A RESULT, Free energy devices and electron-muon decay levitation is proposed. An unstable Higgs vacuum seems to be present around all black hole horizons by observed H2 production and annihilation radiation created by pair production of positrons and electrons. (Instability of the Higgs field) see: http://vixra.org/author/leo_vuyk http://www.lulu.com/spotlight/LeoVuyk

Keywords: Dark Matter Black Holes inside Sunspots, Comets, Ball Lightning, outside: Stellar-, GalaxyAnchor Black Holes. (Origin of universal contraction). Dark Energy Higgs vacuum lattice, the origine of universal expansion. Dense aether model. Black Hole Casimir Gravity, Quantum knots. Einstein metrics with constant scalar curvature, 2-Higgs doublet model. (2HDM MODEL) Leo Vuyk.

Conclusion,

The described observations related to Sprites, Elves and Lightning phenomena are a strong support for the new Black hole (Quantum Knot) paradigm of Quantum FFF theory described in references [1-9] and in figure 11.

The production of Fireballs inside Sprites is supposed to be the start of all stepped lightning leaders and micro Comets, after a splitting process of the Sprite Fireballs into smaller sized micro black holes.

This process is supposed to produce the Terrestrial Gamma Flashes. (TGF)

Some of these smaller reduced Fireballs seem to be able to rise again, pushed by plasma tails and become so called micro Comets forming an icy crust around the nucleus.

By forming more and more ice, the weight of the micro comet will increase.

After the weight becomes in equilibrium with the pushing power of the plasma tail, the Micro Comet will start to fall down to earth, like the Montafon Comet seems to do. (Fig. 1)

The rest of the reduced Sprite Fireballs seems to be unable to form plasma tails and are supposed to be the origin of x-ray emitting hotspots of the stepped leaders going down.

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