

Artificial Ball Lightning production and exploitation device for Zero Point Electric Energy usage.

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Abstract,

Function Follows Form (FFF) in Quantum FFF THEORY.

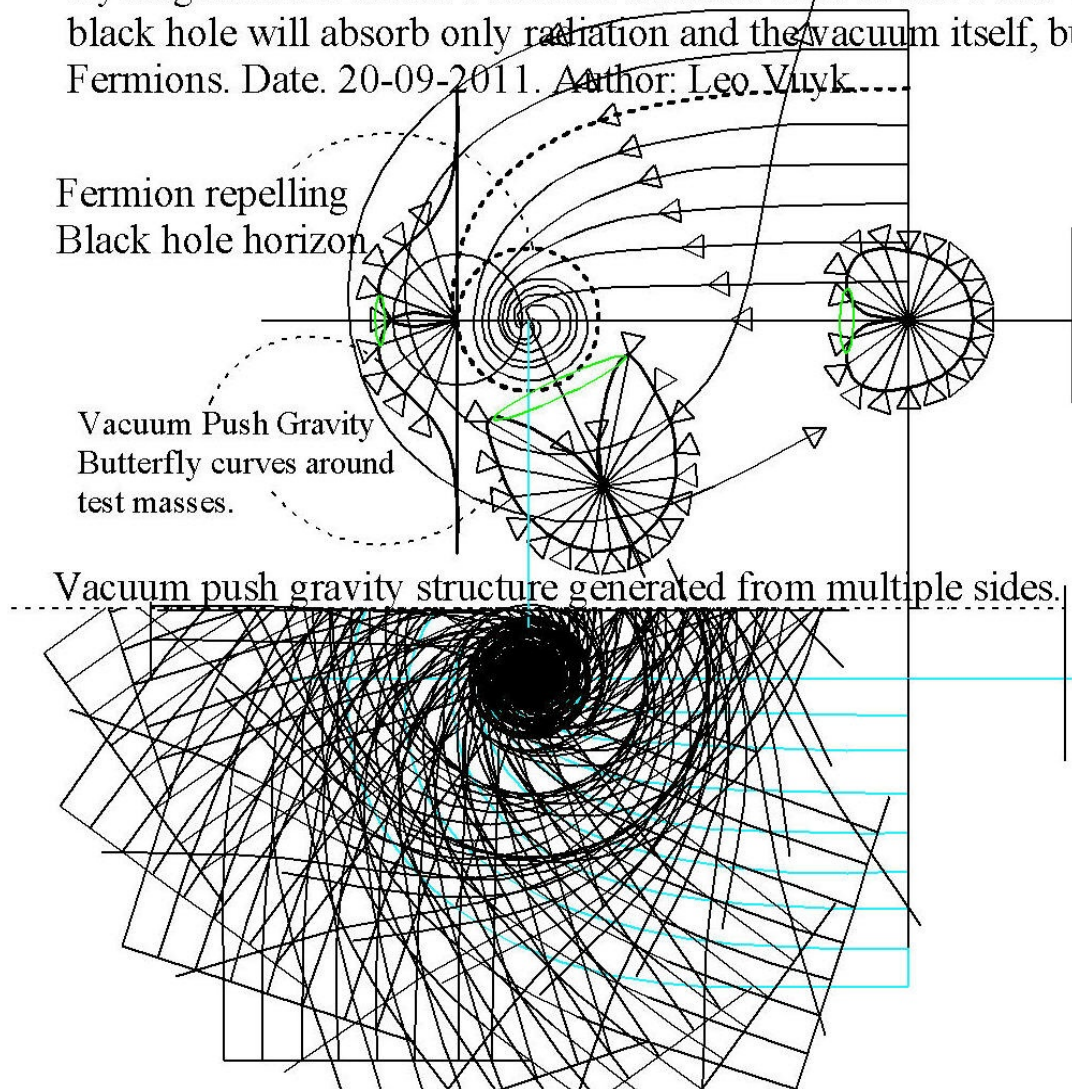
The Form and Microstructure of elementary particles, is supposed to be the origin of Functional differences between massless Higgs- Graviton- Photon/Gluon- and spinning propeller shaped Fermion particles with mass.

In Quantum FFF Theory, Ball Lightning is assumed to represent a small scale New Paradigm Black Hole (NPBH), able to produce so called Zero Point Energy. (ZPE)

In this letter we describe a possible design for production and exploitation of such ball lightnings, based on experimental experiences with Silicon-discharge fireball examples and our proposal for a new paradigm black hole based ball lightning, as a part of Quantum FFF theory.

Quantum FFF theory states: Comets and Ball lightnings are micro new paradigm Black holes, equipped with a negative electric surface charge and hydrogen/oxygen/water creation by zero point energy effects.

Model below: Black hole cross section with schematic vacuum push gravity effects around test masses, depicted as Butterfly shaped vector arrays. OR: Zero Point Energy effects around a black hole. Nothing even NO gravitons will escape from within the black hole horizon! However the BH horizon is a (Higgs) particle collider and creator of electron positron pairs, annihilation and even Hydrogen nuclei inside a horizon oriented shell of electrons. The black hole will absorb only radiation and the vacuum itself, but no Fermions. Date. 20-09-2011. Author: Leo Vuyk.



Introduction.

Quantum Function Follows Form (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 and there are even no attraction forces on new paradigm black holes. (11, 15)

If a New Paradigm Black Hole (NPBH) accelerates through the vacuum lattice (ref 4) it is only supposed to be possible by the anti-symmetric deformation of the vacuum lattice around the (NPBH).

According to Q-FFF theory NPBHs are equipped with a thin but effective Fermion repulsive globular horizon.

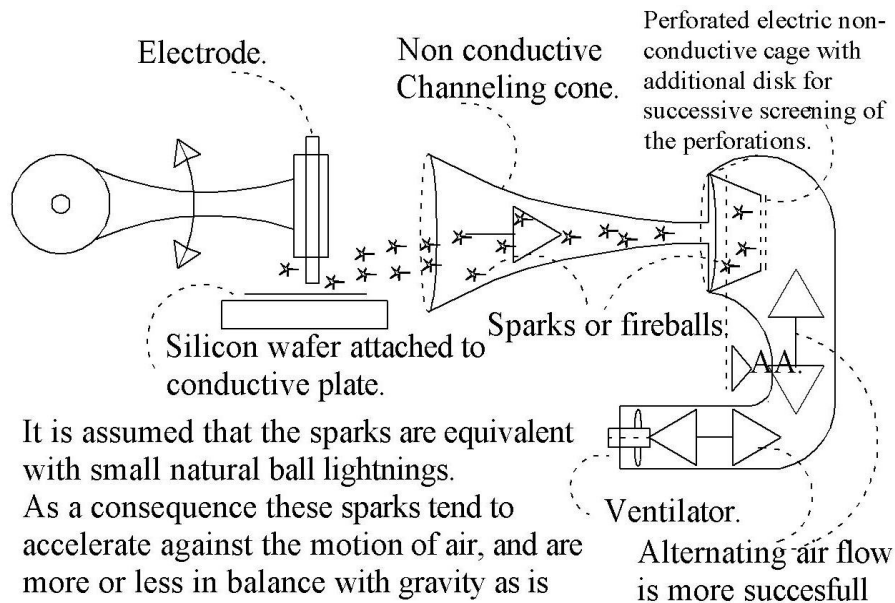
As a consequence Ball lightning and all other NPBHs do repel Fermionic matter, leading to plasma production and acceleration of the black hole into opposing air displacement or gravity concentrations.(ref 4,9,11)

This is in nature observed around Ball lightnings and most clearly in laboratory experiments, such as the bouncing spark-fireball production in Silicon Wafer discharge experiments. (ref.16,17,18,19)

In a former letter (ref. 9) we described the possibility of the theoretical solution to harness two micro black holes (ball lightnings) in a container for future Zero Point Energy or free electric energy production. (see ref. 9, figure 15).

As a result of the experimental evidence that the bouncing Spark-Fireball production in silicon wafer experiments (ref.16-19) have the same characteristic properties as natural ball lightnings and NPBHs, it is possible to describe the principles of a combined device of artificial ball lightning production and exploitation for Zero Point Electric Energy usage, see next figures 1-6.

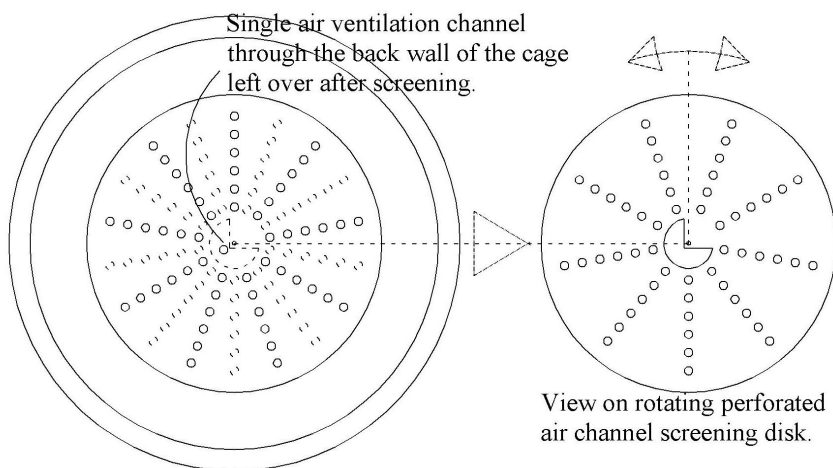
Cross section through an apparatus for Silicon-Spark bouncing ball lightning production, aiming to the channeling, catching and growing the resulting ball lightnings. d.d. 14-09-2011. Author Leo Vuyk.



It is assumed that the sparks are equivalent with small natural ball lightnings. As a consequence these sparks tend to accelerate against the motion of air, and are more or less in balance with gravity as is the case for ball lightning found in nature. However the experiment shows that a strong airflow is not resisted by the sparks. Conclusion an alternating airflow is needed to do the job.

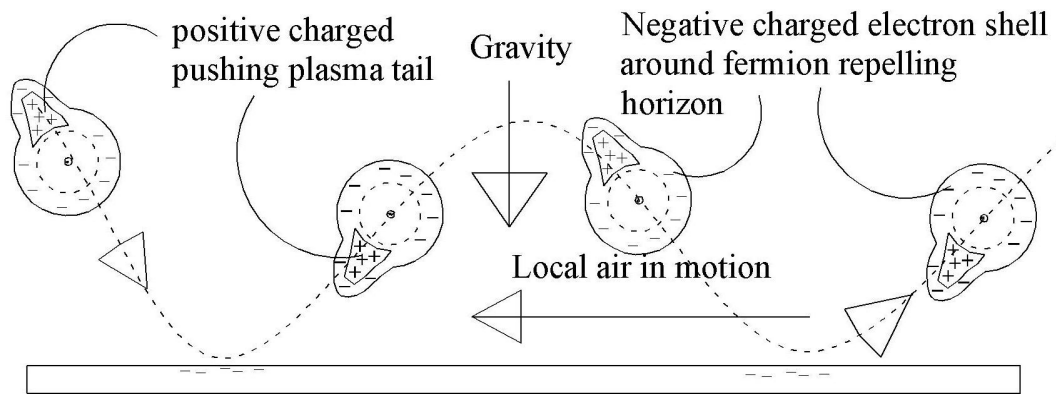
Secondly it is observed that the sparks bounce from electric isolated surfaces.

Figure 1, Production and gathering principle for Silicon discharge Spark-Fireballs.



Cross section AA through the electric non-conductive cage with perforated back wall and additional rotating perforated diaphragm disk. The disk has the function of air flow variation by successive screening of the perforations. By concentration of air flow into one single point, the fireballs will automatically concentrate on that single point and merge their nuclei into one larger nucleus. As a result the initial produced small fireballs (sparks) will not die out as usual, but keep up the function of a stable black hole.

Figure 2, Example of a perforated wall with variable air transmission.



Bouncing micro black hole (ball lightning) with pushing plasma tail bouncing on a non conductive surface, as observed in Silicon discharge experiments and conform Qauntum-FFF Theory. Author, Leo Vuyk.

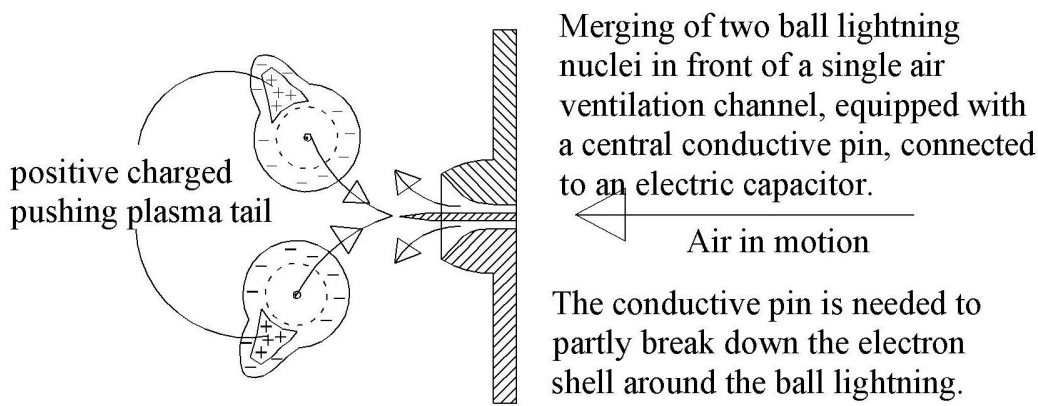


Figure 3, Principle of Bouncing Spark Fireballs with principle for merging small fireballs.

Cross section through the apparatus principle for Silicon-Spark (ball lightning) exploitation as electron pump d.d. 20-08-2011. Author Leo Vuyk.

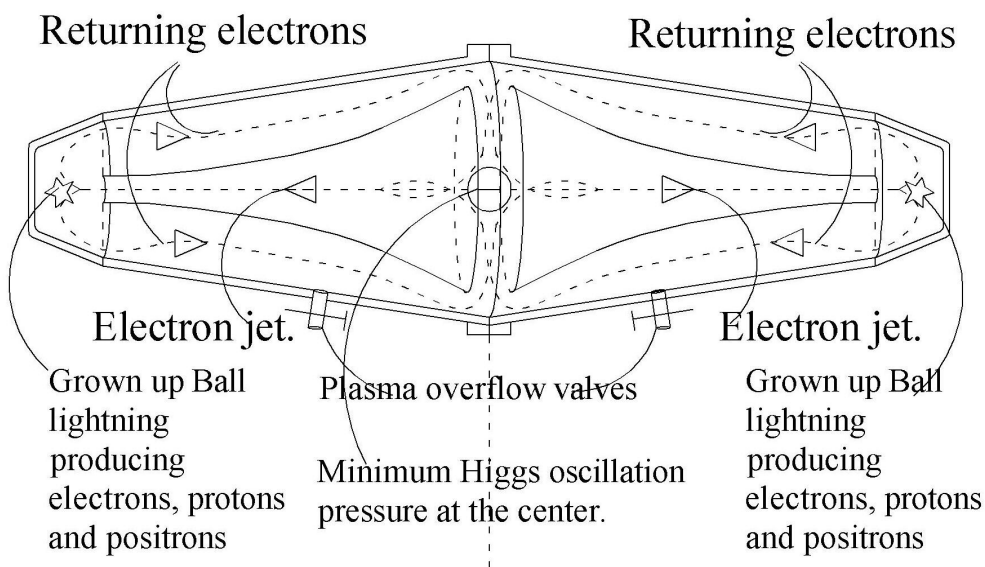
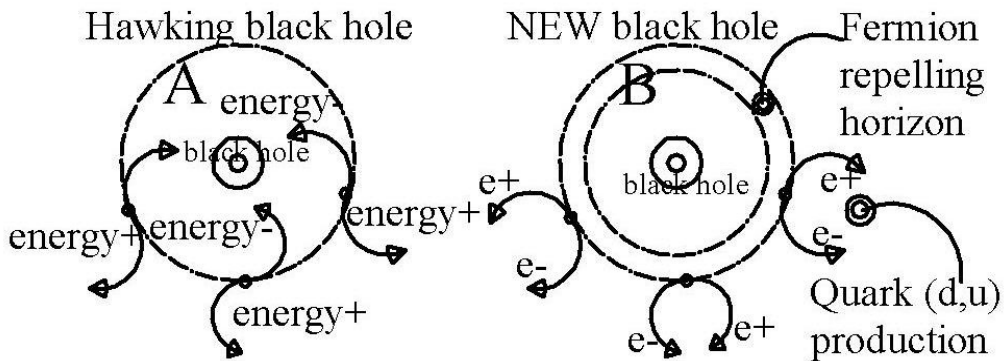


Figure 4, Cross section through a principle apparatus for exploitation of ball lightnings as an electron pump or ZPE Zero Point Energy production around two black holes. See also figure 6.

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 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 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 nucleus, thus Electrons form also an external shell around 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.

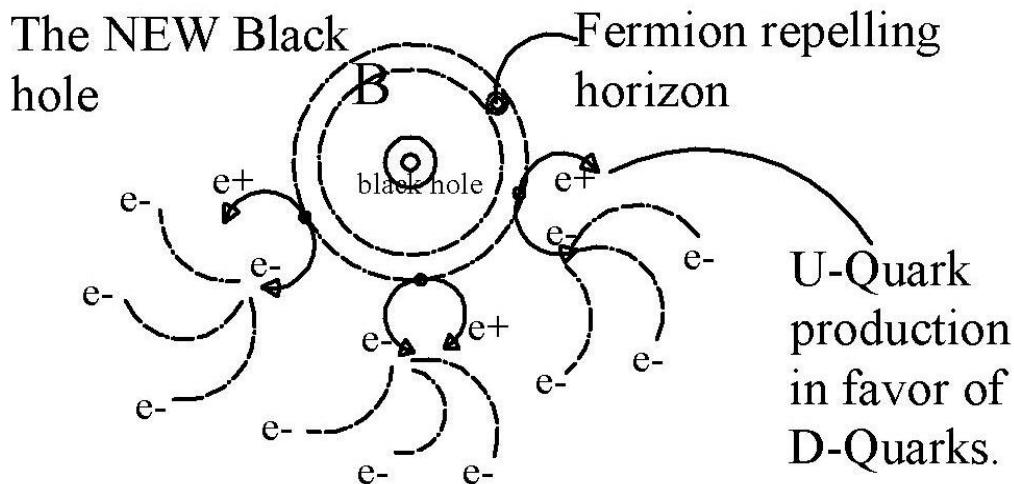
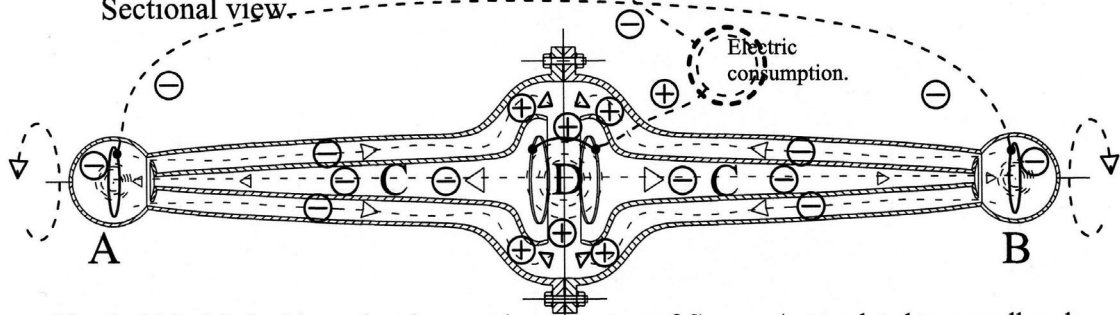


Figure 5, Principle of the new paradigm black hole model, described in Ref 4: "An Alternative Black Hole, Provided with Entropy Decrease and Plasma creation".

A copy of the Cygnus A electric power system, as a source of free energy.
Sectional view.



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 6, Device described at [ref 9] called: ZPE Zero Point Energy Examples Around Black Holes. (as figure 15.)



Figure 7. Example of ball lightning in nature pushed by self created plasma tail, comparable with Bouncing Spark Fireballs as observed in the lab see figure 3.

Dumbbell system of new paradigm Black holes kept apart by two Herbig Haro electron -ion particle jets. Zero Point Energy pressure effects around test masses are depicted as Butterfly shaped vacuum pressure curves (vector arrays) . In Q-FFF theory is Vacuum gravity pressure interpreted as Dark energy and black holes as Dark matter. The so coined "white/grey hole" in the middle is the Gas Concentration locus and center of all Star clusters and Spiral Galaxies. Date. 20-09-2011. Author: Leo Vuyk.

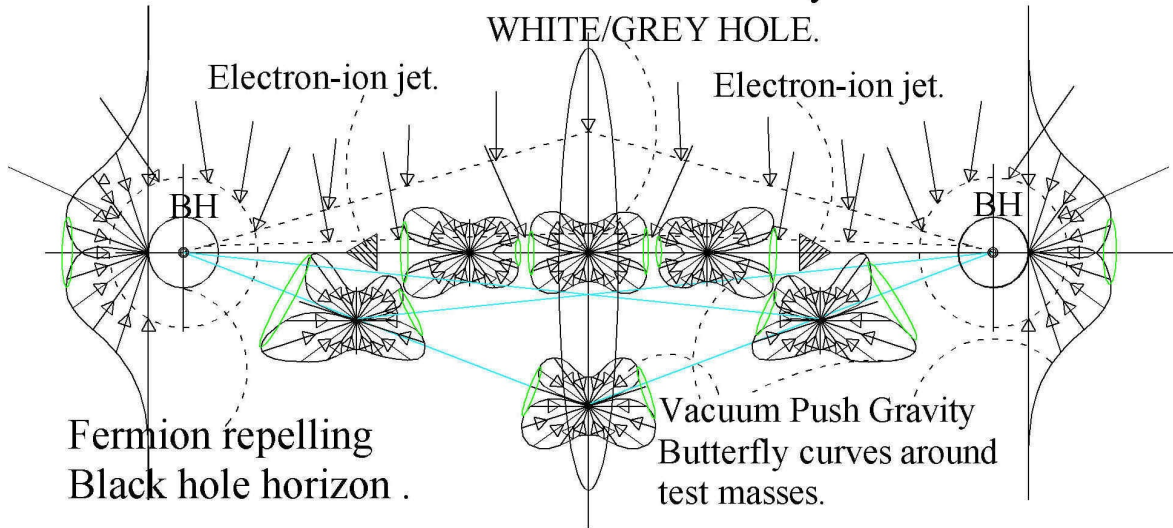
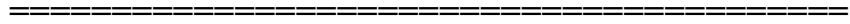


Figure 8, New paradigm double black hole system



References

[1] **viXra:1103.0068**

Function Follows Form, at the Quantum Scale and Beyond.

Authors: Leo Vuyk.

[2] **viXra:1103.0024**

Quantum Gravity and Electro Magnetic Forces in FFF-Theory.

Authors: Leo Vuyk.

Category: Quantum Gravity and String Theory

[3] **viXra:1103.0015**

Wavefunction Collapse and Human Choice-Making Inside an Entangled Mirror Symmetrical Multiverse.

Authors: Leo Vuyk.

Category: High Energy Particle Physics

[4] **viXra:1103.0011**

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

Authors: Leo Vuyk

Category: High Energy Particle Physics

[5] **viXra:1103.0002**

3-Dimensional String Based Alternative Particle Model.

Authors: Leo Vuyk.

Category: High Energy Particle Physics

[6] **viXra:1102.0052**

Construction Principles for Chiral "atoms of Spacetime Geometry".

Authors: Leo Vuyk

[7] **viXra:1102.0054**

Atomic Nuclear Geometry Based on Magic Number Logic.

Authors: Leo Vuyk.

Category: Nuclear and Atomic Physics

[8] **viXra:1102.0056**

**Experiments to Determine the Mass Related Lightspeed Extinction Volume
Around the Earth and
Around Spinning Objects in the Lab.**

Authors: Leo Vuyk.

[9] viXra:1103.0097

ZPE Zero Point Energy Examples Around Black Holes.

Authors: Leo Vuyk

[10] viXra:1104.0002 *submitted on 1 Apr 2011*

Stellar Anchor Black Holes as the Remnants of Former Herbig Haro Objects

Authors: Leo Vuyk

[11] viXra:1104.0044

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

Authors: Leo Vuyk

[12] viXra:1104.0083 *submitted on 28 Apr 2011*

Quantum FFF Theory in Posters.

Authors: Leo Vuyk

[13] viXra:1108.0006 *submitted on 3 Aug 2011*

Mass in Motion in Quantum FFF Theory

Authors: Leo Vuyk

[14] Book: **“The New God Particle and Free Will”**.

Author: Leo Vuyk, LuLu publishers, 2008.

ISBN number 978-1-4092-1031-3

<http://www.amazon.co.uk/NEW-GOD-PARTICLE-FREE-WILL/dp/1409210316>

[15] E-Book: **“Zero Point Energy Black Holes”**

Author: Leo Vuyk, LuLu publishers, 2011.

<http://www.lulu.com/product/ebook/zero-point-energy-black-holes/152399515>

[16] J. Abrahamson and James Dinniss, "Ball lightning caused by oxidation of nanoparticle networks from normal lightning strikes on soil," *Nature*, Vol. 403, 3 February 2000, pp. 519-521

[17] G.S. Paiva, A.C. Pavao, E.A. de Vasconcelos, O. Mendes jr., and E.F. da Silva jr., "Production of Ball-Lightning Like Luminous Balls by Electrical Discharge in Silicon," *Phys. Rev. Letters*, PRL 98, 048501 (2007), January 2007

[18] <http://www.newscientist.com/article/mg19325863.500-lightning-balls-created-in-the-lab.html>

[19] Artificial Ball Lightning produced in the laboratory !?

M. Goossens, P. de Graaf, R. Dekker.

<http://www.dos4ever.com/bolbliksem/bolbliksem.html>

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