

Black hole horizon curvature dependent balance between plasma creation and e-e+ annihilation in Quantum FFF Theory.

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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 former papers we presented possible solutions based on complex 3-D ring shaped particles, which are equipped with three point like hinges and one splitting point, all four points divided equally over the ring surface.

The 3-D ring itself is postulated to represent the “Virgin Mother” of all other particles and is coined Higgs particle, supplied with the 3-hinges coded (OOO), which gives the particle the opportunity to transform after some sort of mechanical collision with other particles into a different shape, with a different function.

Thus in the (Q-FFF) Quantum Function Follows Form theory, the Higgs is interpreted as a massless transformer particle able to create the universe by transformation of its shape after real mechanical collision and merge with other shaped particles into complex and compound knots like Quarks.

The best place to create such plasma out of the “nothingness” of the Higgs vacuum seems to be not only direct after the Black hole splitting big bang, but even more at the event horizon of new paradigm black holes.

However the balance between e- e+ annihilation and plasma creation seems to depend on the curvature of the black hole event horizon or better the size of the black hole. Smaller black holes have stronger horizon curvature related to the vacuum Higgs vacuum structure (or Planck scale) and as a result a better balance between Quark production and e-e+ annihilation. The Tarantula- and Eagle nebula seem to show us this difference.

Introduction,

It is assumed that the vacuum is seeded with massive numbers of massless Higgs particles, all energetic oscillating inside a chiral vacuum lattice system and as such the origin and bearer of all energy in the universe. (reference: 1)

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

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

As a result it is assumed, that many “elementary” particles should not be elementary, but compound constructions or KNOTS of transformed Higgs particles.

Even the Muon and Tau Lepton should be compound particles having the same shape as one of the different coloured “naked” Down- respectively Charm Quarks. (figure: 6)

Thus, Muon- and Tau particles seem to be naked Quarks.

In the **addendum** I present partly my original ideas about Quantum FFF Theory between 1994 and 2004. It is called:

FUNCTION FOLLOWS FORM in QUANTUM MECHANICS and ASTRONOMY.

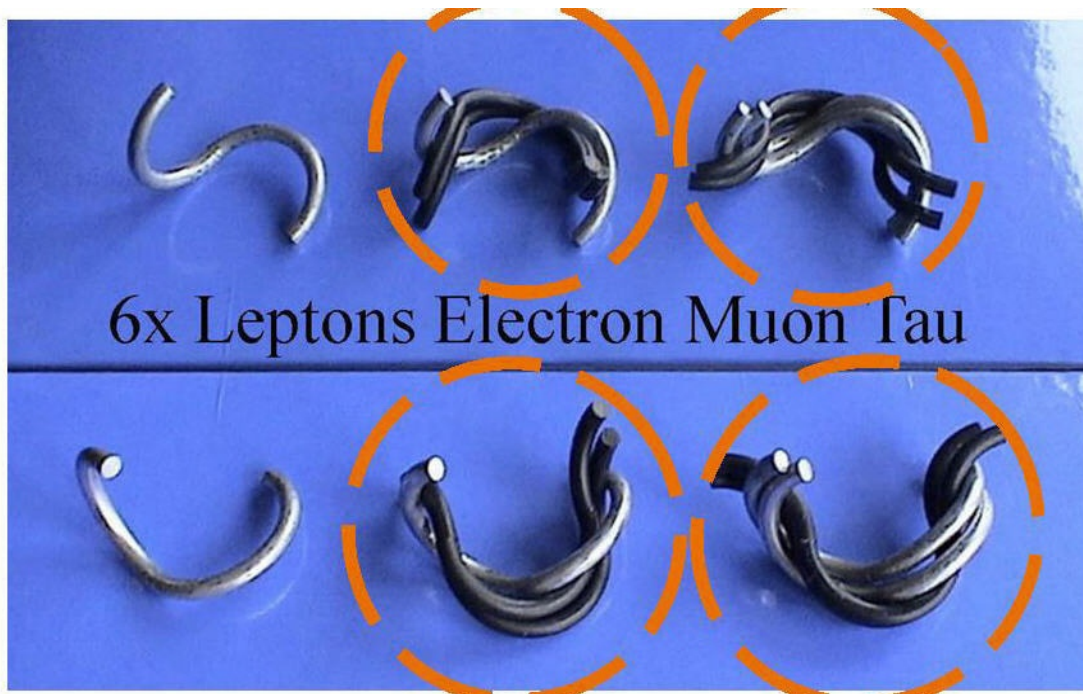
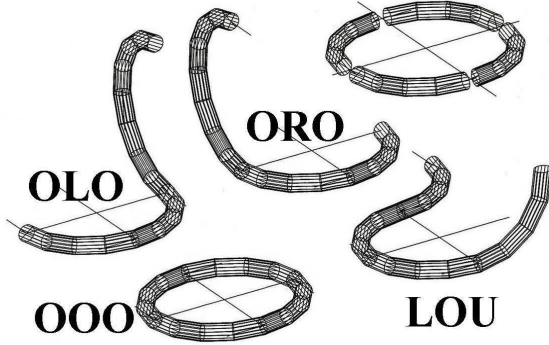


Figure 1, 3D image of some Leptons created at the black hole horizon: Electron, Positron, (singular) Muons and Tau particles (Compound particles and also called FREE QUARKS). Muons are d-Quarks, Tau leptons are also Charm Quarks.

Geometry of the GOD particle based on four ELBOW MACARONI shaped arms connected with three hinges. These hinges are only able to rotate in steps of 90 degree rotation, coded with: O, L, R, and U relative rotations.



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 2. basic particle- and black hole principles

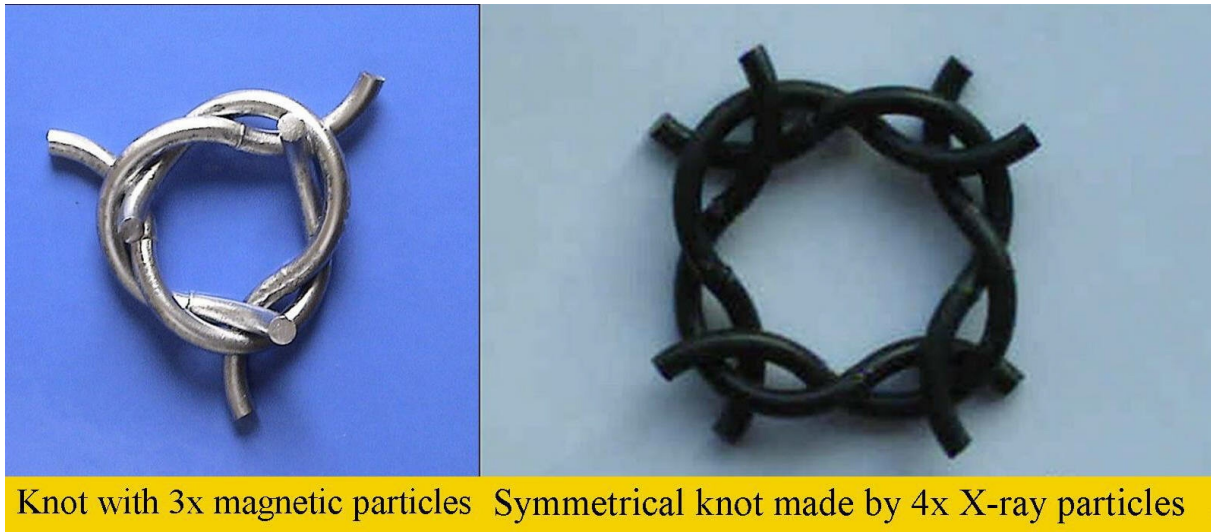
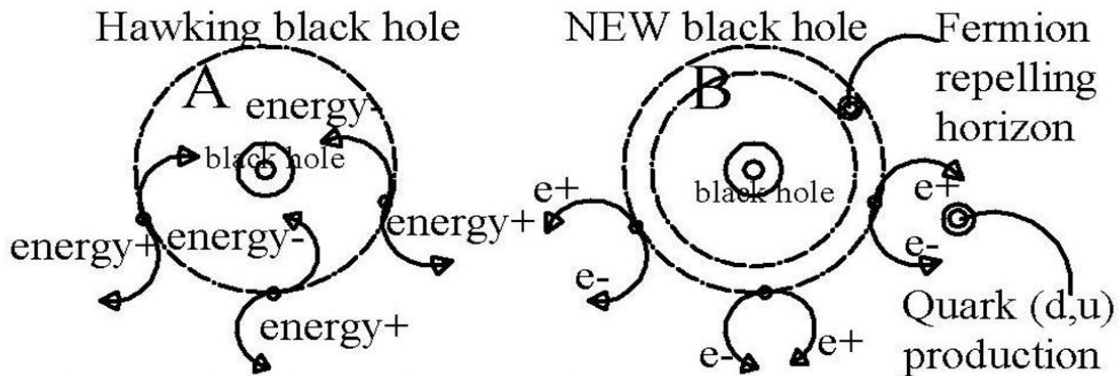


Figure 3, Two Principle compound shapes assumed to be the start of micro black holes in nature (by magnetic or x-ray interference) or in the lab, growing larger by absorption (pressed-on) of the local Higgs particles (by the Casimir effect) see figure 2.

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. 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.

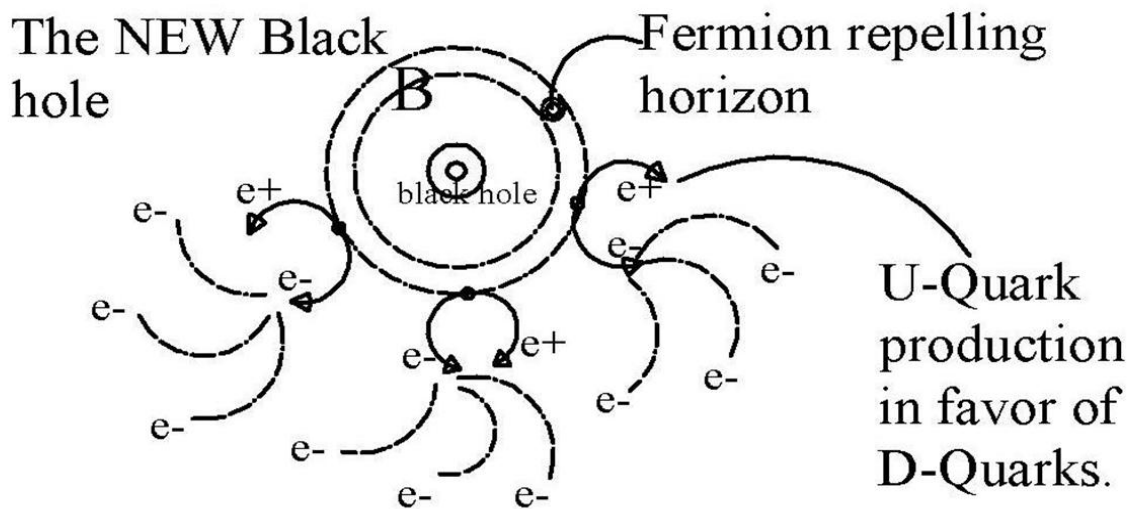
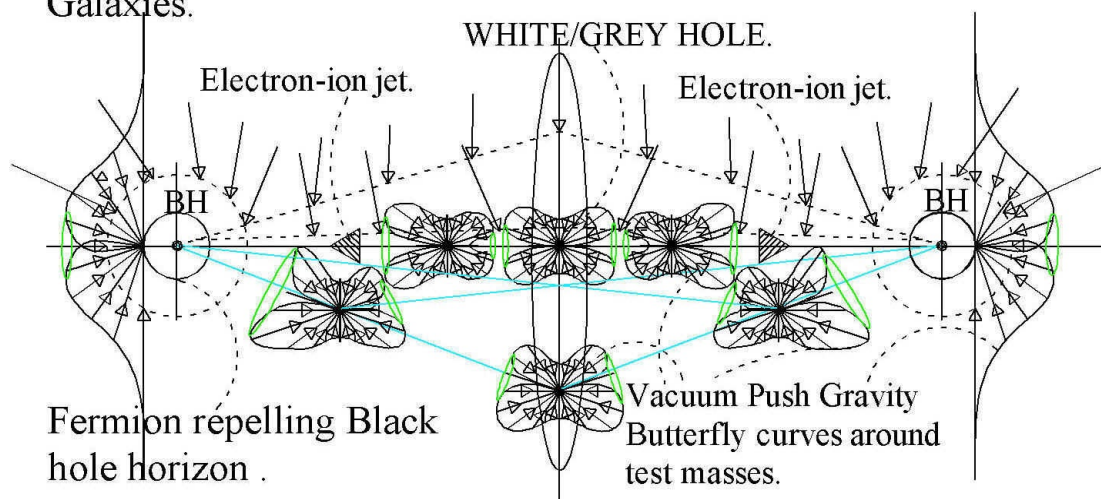


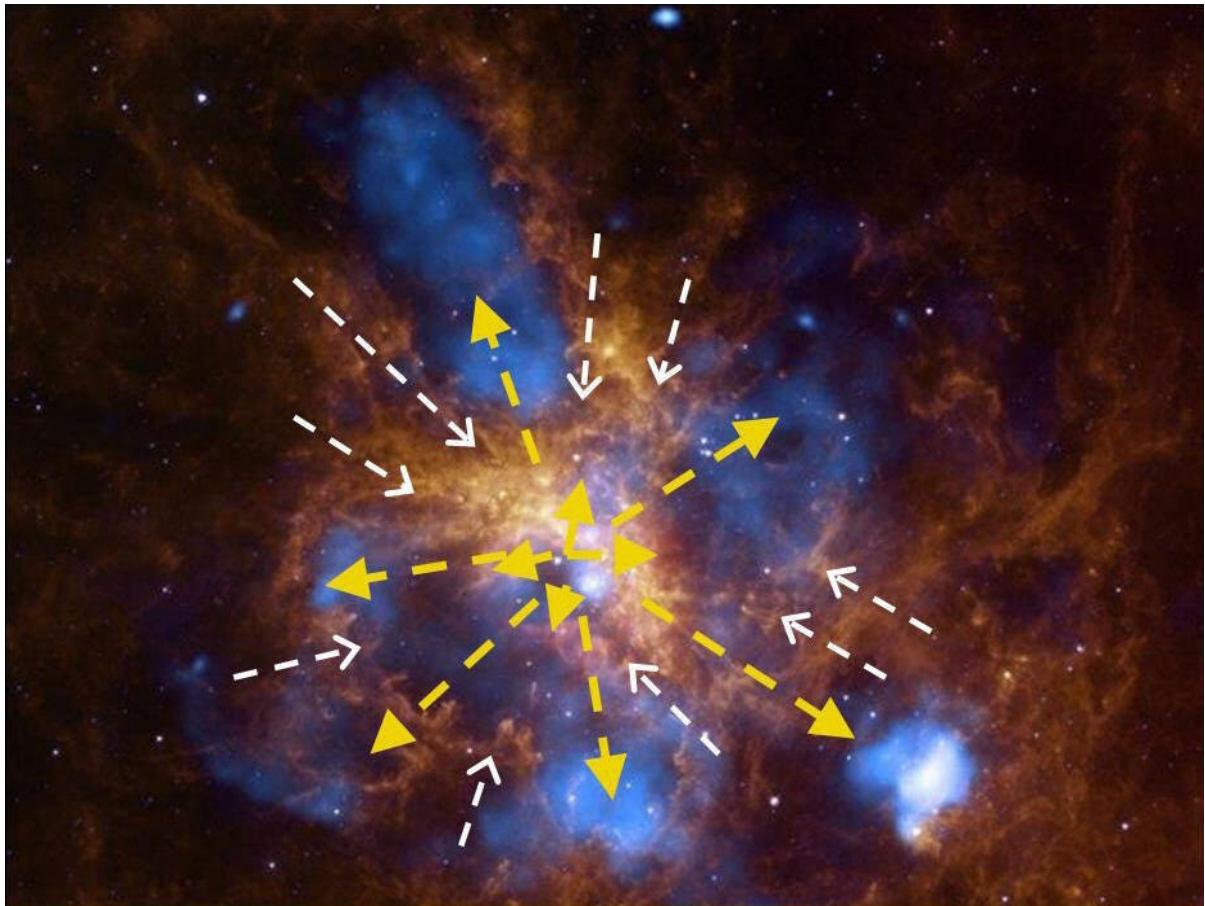
Figure 4, New black hole paradigm.

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, the Vacuum gravity pressure is 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.



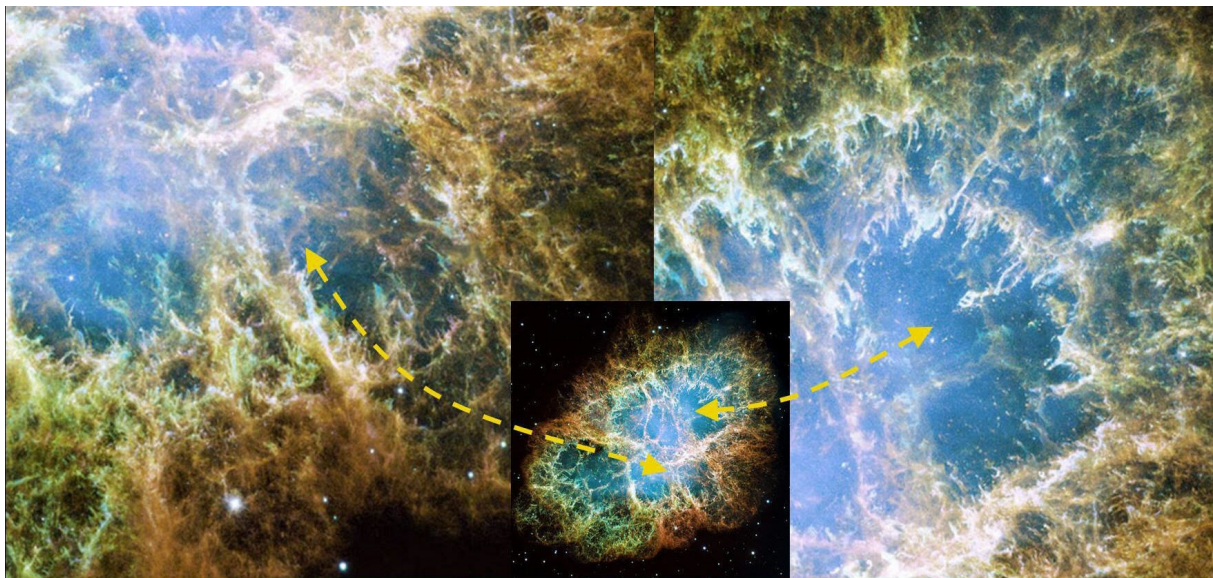
Not all new paradigm Black holes seem to produce ionised gas. It is supposed to depend on the curvature "angle" of the black hole light horizon. The largest Galaxy anchor black holes (GABHs) will not produce gas, only a little x-gamma ray production is expected to form, by the $e^- e^+$ annihilation process. Merger Galaxies are supposed to be exceptions due to the mixing of smaller black holes around GABHs. Date. 15-11-2011. Author: Leo Vuyk.

Figure 5, gas formation and vacuum Higgs energy structure between two black holes.



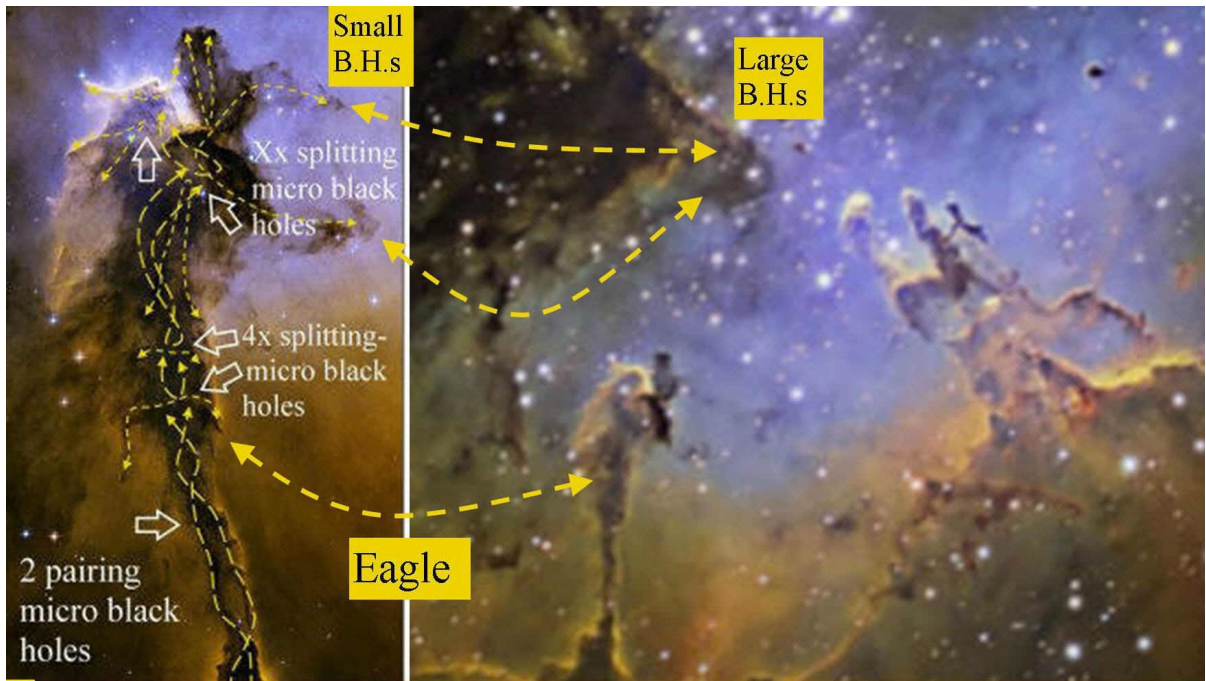
Tarantula Nebula. Hot blue x-ray plasma (gas) produced around new paradigm MEDIUM SIZED BLACK HOLES. The surrounding cooler gas (orange) is sprinkled with smaller splitting and pairing black holes forming Herbig Haro objects and stars. around gas trunks (white arrows) Author: Leo Vuyk.

Figure 6 Tarantual Nebula with different sized black hole effects of plasma formation (orange) and x-ray radiation. (blue).



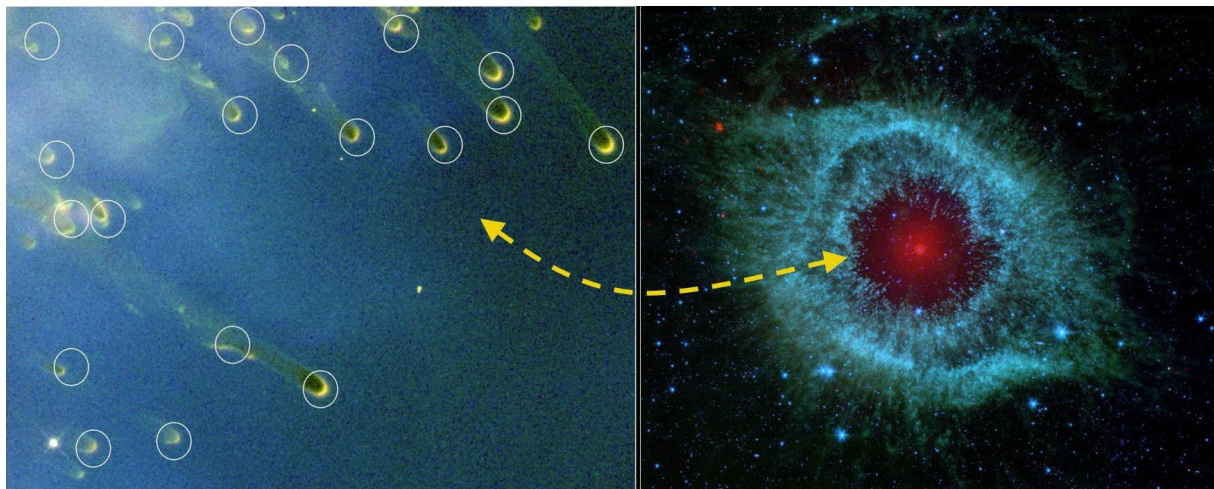
Crab Nebula: Multiple ionized gas pillars by mini black holes (Former "star spots") in motion.

Figure 7, Example of plasma trunk creation by equally sized black holes.



Eagle Nebula: Multiple ionized gas pillars created by splitting and pairing micro black holes (former “star spots”) in motion. Compared to the Eagle B.H.s in motion, only one large sized gas pillar Black Hole in motion is observed. (see arrows). Conclusion: The Large Gas pillar based black hole seems to be the result of larger former Stellar Anchor B.H.s (SABHs), in motion. (Author Leo Vuyk).

Figure 8, Example of different sized plasma trunk creation by different sized black holes.



Helix Nebula: Multiple ionized gas pillars by mini black holes (former “star spots”) in motion.

Figure 9, Very faint plasma creation around small former equally sized starspot- black holes expelled from the star.

References related to the letter:

“Black hole horizon curvature dependent balance between plasma creation and e-e+ annihilation in Quantum FFF Theory”

[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>

Addendum.

FUNCTION FOLLOWS FORM in QUANTUM MECHANICS and ASTRONOMY.

The outlines of a Theory of Everything, with Cosmological
Non-Local CPT Symmetry at a Distance between Mirror Universes.

A Chiral "Oscillating Quantum Vacuum Lattice" guided by "Big Bang-entanglement"
could lead to the explanation how the Quantum Mechanical World is able to mimic
Relativity.

By: Leo Vuyk, Version 21, (March 10-2004).

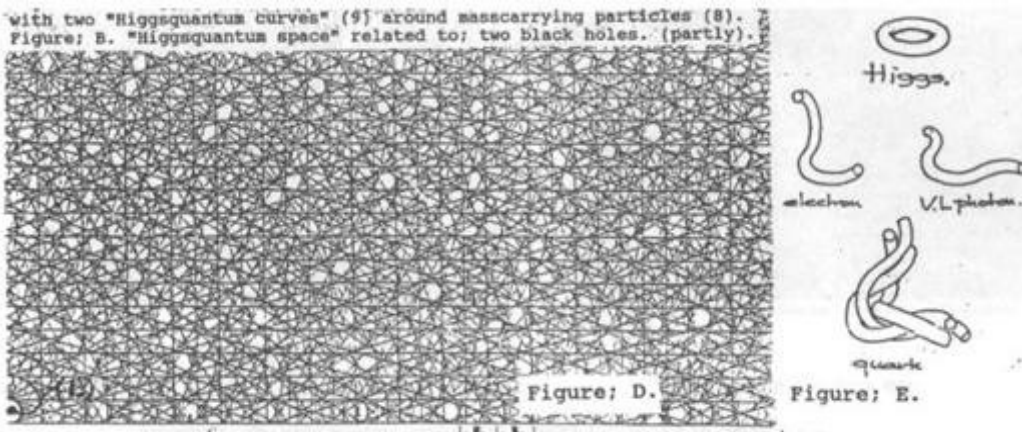
Einstein as a child, tried to imagine how the world would look like from the position of a
photon. If imagination is the motor of our changing interpretation of the world, then we
should work on our imagination of the universe on all scales. Then the imaginative
interpretation of the visual aspects of the Cosmos should be the base for real discrimination
and order.

If the second Law of Thermodynamics doesn't hold for "Dark Energy", then the description of
unexplained Energizes Objects, such as Sunspots, Comets and Ball Lightning, should be one
of the highest scientific goals.

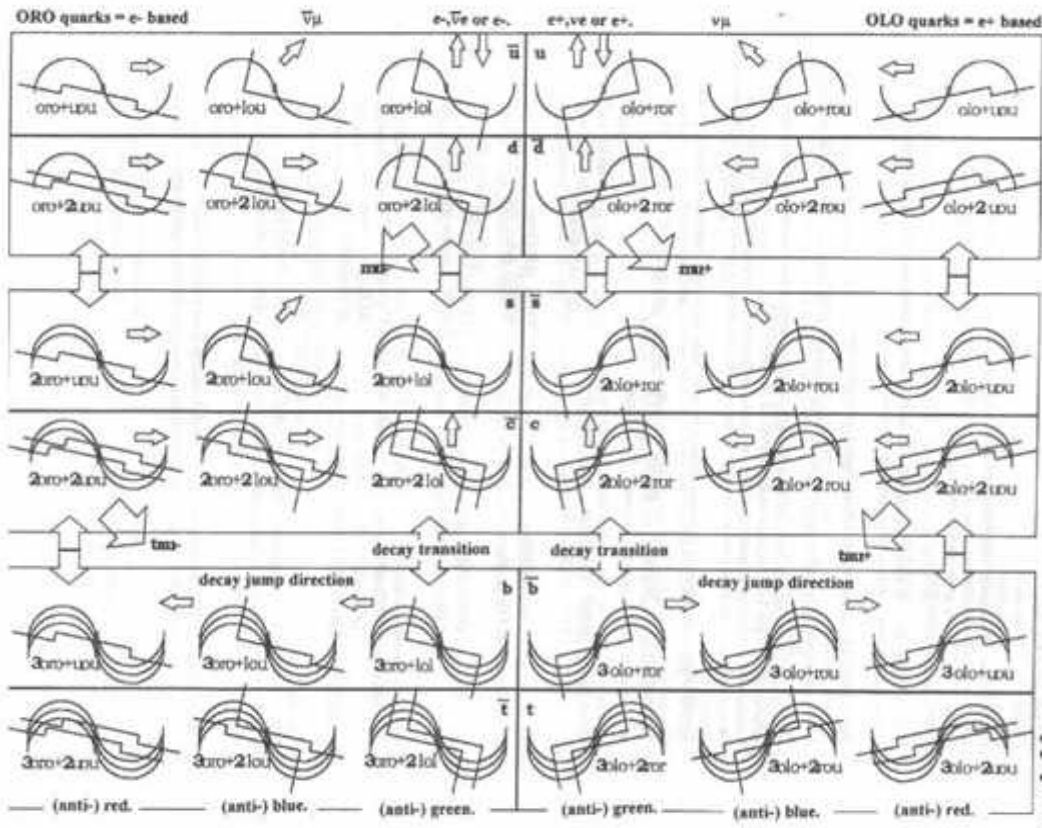
Model Features:

The Special Curved Knotty Geometry of Rigid Propeller Shaped Fermions, is supposed to be
able to let Fermions spin and repulse from New Paradigm Black Holes. The propeller shape
of Fermions should be the origin of Fermionic Spin directions, driven by Vacuum Particles,
oscillating in a 3D Space Frame Lattice.

Simplified representation of the Vacuum 3D Space Frame Lattice and real Rigid Knotty
"Quatron Particles": "Function Follows Form".



QUARK summary of CLICK_ON COMBINATIONS AND DECAY DIRECTIONS



Quark generations.

Suggestions for Combinations of electrons, positrons and 5 different types of photons(Gluons) to create compound quark variations, muon and tau and Z particles. Quatron Particle coding by rotation identification of the three hinges. There are four 90 degree click positions of the three hinges of the Toroidal Quatron particle: O=unchanged (0 degrees), L=90 degrees Left, R= 90 degrees right, U= 180 degrees (up).

The three different colored up-quarks are coded: ORO+LOL, or ORO+LOU, or ORO+UOU. (2 compound particles)

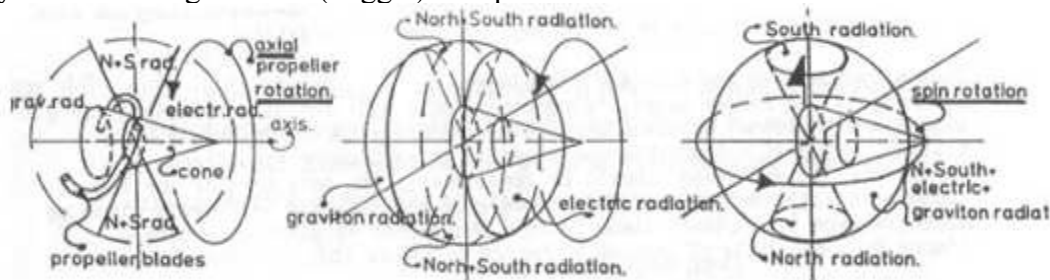
Anti-up-quarks (three colors) are coded: OLO+ROR, or OLO+ROU, or OLO+UOU. (2 compound particles)

down-quarks (three colors) are coded: ORO+2.LOL, or ORO+2.LOU, or ORO+2.UOU. (3 compound particles)

anti-down-quarks (three colors) are coded: OLO+2.ROR, or OLO+2.ROU, or OLO+2.UOU. (3 compound particles)

The three different colored strange-quarks are coded: 2.ORO+LOL, 2.ORO+LOU, or 2.ORO+UOU. (3 compound particles)
 Anti-strange-quarks (three colors) are coded: 2. OLO+ROR, 2.OLO+ROU, or 2.OLO+UOU. (3 compound particles)
 charm-quarks (three colors) are coded: 2.ORO+2.LOL, 2.ORO+2.LOU, or 2.ORO+2.UOU. (4 compound particles)
 anti-charm-quarks (three colors) are coded: 2.OLO+2.ROR, 2.OLO+2.ROU, or 2.OLO+2.UOU. (4 compound particles)
 The three different colored bottom-quarks are coded: 3.ORO+LOL, 3.ORO+LOU, or 3.ORO+UOU. (4 compound particles)
 Anti-bottom-quarks (three colors) are coded: 3. OLO+ROR, 3.OLO+ROU, or 3.OLO+UOU. (4 compound particles)
 top-quarks (three colors) are coded: 3.ORO+2.LOL, 3.ORO+2.LOU, or 3.ORO+2.UOU. (5 compound particles)
 anti-top-quarks (three colors) are coded: 3.OLO+2.ROR, 3.OLO+2.ROU, or 3.OLO+2.UOU. (5 compound particles)
 Muon particles are coded: mu+: OLO+2ORO, (=anti-d-quark) mu-: ORO+2.LOL.(=d-quark)
 Tau particles are coded: tau+: 2.OLO+2UOU, (= c-quark). tau-: 2ORO+2UOU.(=anti-c-quark)
 Together with the Z particle (ORO+OLO) we suggest that there are 37 different compound particles.
 Together with the 16+1 single particles, there are 17+37 = 54 different formed functional particles used in the universe as we know it.
 Different combinations are still possible, such as for the Ball Lightning interference particle. Based on model research of these compound forms, and in line with particle accelerator measurements it could be stated, that the more compound particles a quark accommodates, the smaller its stability, starting to count from 3 compound particles.

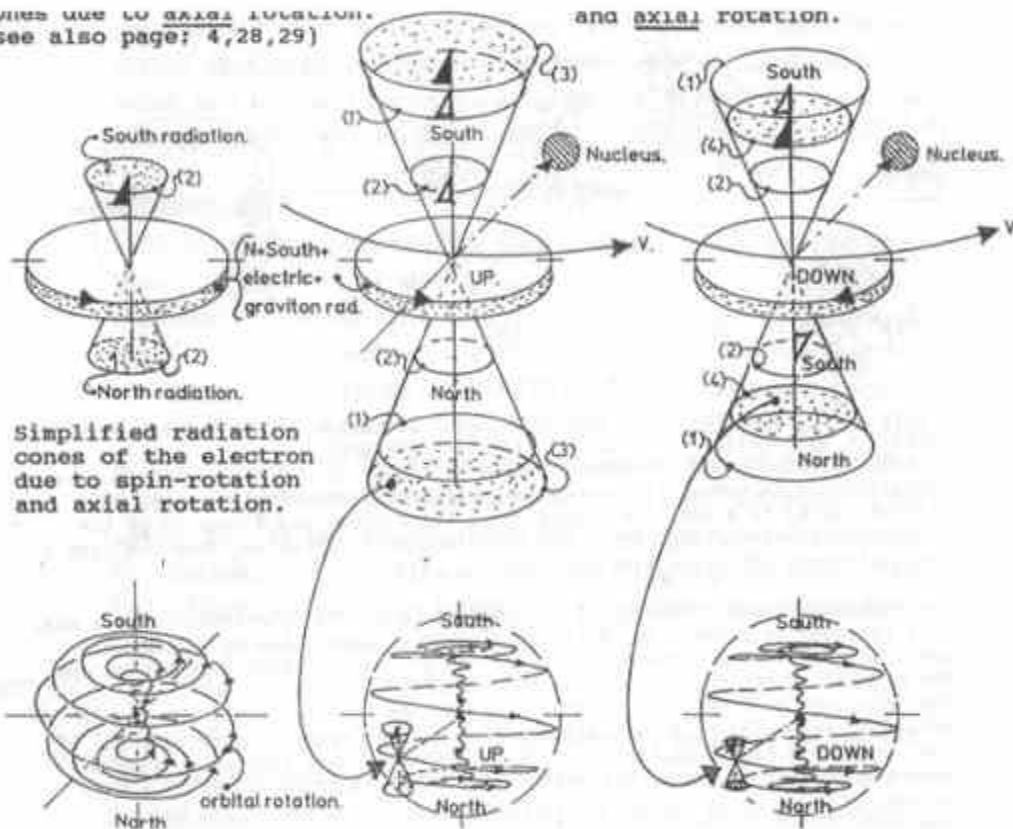
Simplified representation of the Double Spin State of the Electron (and all Fermions) driven by the oscillating vacuum (Higgs-) 3D space Frame lattice:



The difference between UP and DOWN Electrons, respectively UP and DOWN Atoms :

lines due to axial rotation. see also page: 4,28,29)

AND AXIAL ROTATION.



Some Additional features:

A New Black Hole-Big Bang is introduced described as, a Semi-Cold evaporating and splitting Black Hole Nucleus, leaving a Fractal alike Galaxy distribution behind (called Lyman Alpha Forest) , with CPT (Charge Parity Time) mirror symmetry. As a result of CPT symmetry, we live inside one of the "material" lobes of a CPT symmetric Mirror Universe or Multiverse. However, the structure of this Multiverse, we are able to observe in Cosmic Microwave Background Radiation maps. The new Multiverse seem to have the shape of a 12 lobed Raspberry in Dodecahedron configuration. This is an indication for the existence of 6 material universes CPT symmetric EPR correlated "at a large distance" with 6 anti-material COPY universes.

Photons, Fermions or Oscillating Vacuum particles, are supposed to be real rigid- mutual interchangeable particles, by real particle shape changes. The strong bow tension of the rigid vacuum particles is supposed to be responsible for the dual oscillatory energy needed for all types of vacuum oscillations and all Dark Energy.

Vacuum particles are well organized oscillating within a tetrahedral shaped chiral (non linear connected) vacuum lattice, with the form of a 3D spaceframe lattice. Photons only live as real particles over a distance less than 1 cm. After 1 cm of flight, each photon is assumed to re-transform into an oscillating vacuum particle.

Oscillating Vacuum particles are able to transfer photonic particle information along the vacuum lattices, at 7/4 of the lightspeed.

By the aid of spiral vacuum lattice trajectories, the vacuum transfers the information always at the mass (Earth) correlated isotropic lightspeed C.

Gravity is the IMBALANCE between two opposing PUSHING forces: the Vacuum oscillatory impulse force, averaged over time (=Dark Energy), against less powerful Graviton Vacuum oscillatory impulse force, induced on the vacuum by mass.

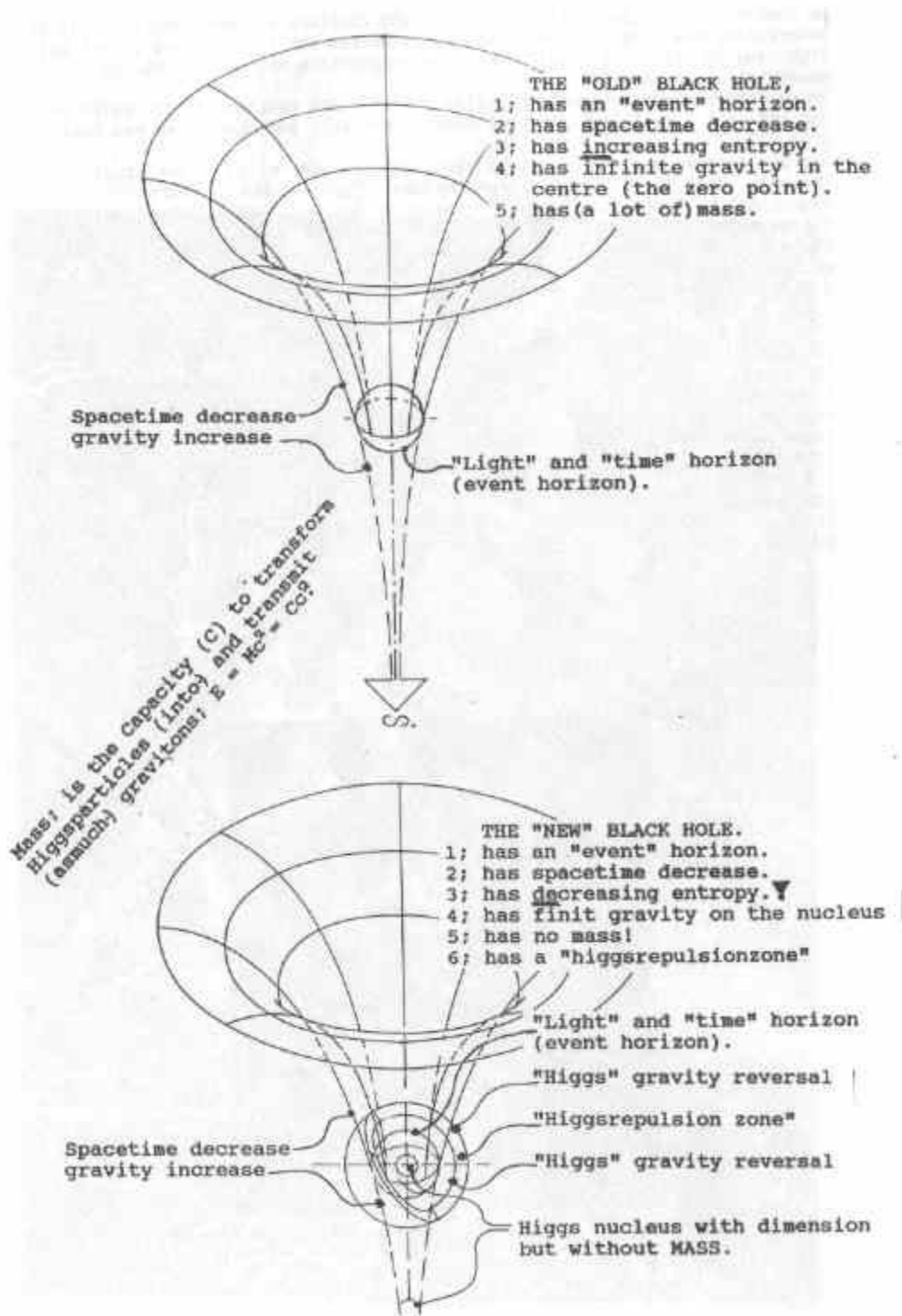
Not only gravity but all 4 forces are supposed to have the same dual imbalance system as origin.

Thus the attraction forces are the reduction of the repelling vacuum force and repulsion is the increase of the repelling vacuum force. This means that there is not a maximum on all 4

fundamental forces of nature based on the maximum (ZPE) vacuum force, because repulsion is based on the increase of this force.

Only attracting forces can have a maximum based on this system. All Fermionic energy / mass has its origin in the vacuum oscillations.

Simplified representation of the Old and NEW Paradigm Black Hole.



New Paradigm Black Holes don't merge or seem to absorb matter, they create matter.

Galaxies are supposed to be LOADED with a variety of tiny-, up to huge NEW Paradigm Black Holes (=Dark Matter). So called Giant Galaxy Anchor Black Holes (GABHs) are in the early universe supposed to be left over from the Fractal Big Bang as Galaxy "seeds" mostly as

Binary Black Holes each located on both sides of disk shaped systems like Spiral Galaxies. New Black Holes DON'T SWALLOW FERMIONS, and they do not Merge as long as there is matter in between them, which will be always the case.

Thus they don't absorb matter, because they are counterintuitive equipped with a matter repelling shell, see http://home.planet.nl/~vuyk0022/leo_intro.htm#postscripts .

It is supposed that the NEW "Intermediate Black Holes" are formed inside Early Giant Supernovas, especially with a high rate, in the early universe and later in the Galaxy forming universe just outside Young Merger Galaxies. If Galaxies merge, the GABHs don't merge but will stay separated, outside the new Merger Galaxy.

These multiple Giant Galaxy Anchor Black Holes located outside Spiral Merger Galaxies are forming Giant Stars in between them, if there is enough gas present outside the Galaxy, which must be mostly present outside Merger Galaxies (see below NGC 4319). Recently discovered Distant Gamma-ray Bursts, should be therefore correlated with this phenomenon.

The Gamma-ray bursts are supposed to be the collapse of these Giant Stars (not observable in the NGC 4319 picture) into "Intermediate Black Holes". These Intermediate Black Holes are recently found inside Globular Star Clusters (M15 and G1).

Thus it seems to be reasonable to propose that the recently detected "distant gamma-ray bursts", are the representation of Intermediate Black Hole formation events outside Young Spiral Merger Galaxies in an early stage of the Universe.

These intermediate Black Holes will attract stars, which are attracted from the merger Galaxies and will form Globular Clusters and Dwarf Globular Companion Galaxies .

The recently found Young Globular Clusters are supposed to be originated by the former described process after merger activities. (see: Scientific American Oct. 2003)

<http://www.sciam.com/article.cfm?chanID=sa006&colID=1&articleID=0002BCBB-BAEB-1F5C-905980A84189EEDF>

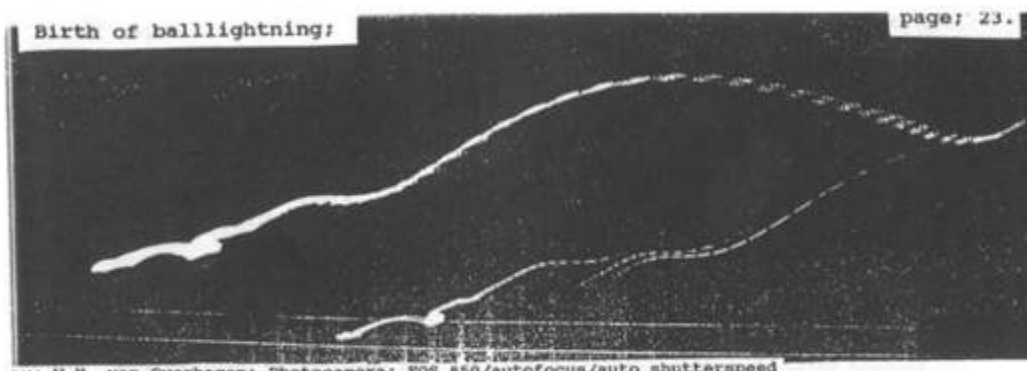
Small Black Holes seem to evaporate or explode in air.

In contrast with Big Black Holes, Small Black Hole nuclei are supposed to be formed due to Electromagnetic interference, by condensation of the vacuum particles itself as a kind of vacuum particle condensate.

This will happen in strong magnetic fields around Stars and around Lightning clouds (producing small comets or ball lightning). See:

http://home.planet.nl/~vuyk0022/PS_Canterbury.htm#page18

Birth of Ball Lightning by Lightning Interference: "Function Follows Form".



All Black Holes absorb only the vacuum thus also radiation, this causes positive Space Curvature, the Hubble Redshift and on the long run, even the collapse of the Universe on itself. The Universe collapses on itself, due to the Vacuum (Dark Energy) absorption by Black Holes (Dark Matter), and the real matter transformation into Black Holes by large supernovas.

New Black Holes are MASSLESS and attract and produce matter as far as the so coined "repelling zone" around the BH nucleus. Some massless Black Holes are supposed to show their exact positions, in the form of lobes of so called Single- and Double lobed Quasars, as Herbig- Haro lobes, in the center of Globular clusters, or as objects like Sunspots and Comets and even Ball Lightning.

Due to the Universal CPT symmetry at a distance, Elementary Particles and Humans, should be able to change within a split moment from observer to observed devices, constantly creating snapshots of reality ("eigenstates"), forced by a constant Holistic (entangled) multi universal mutual guidance, VIOLATING LOCAL CAUSALITY and energized by a constant mechanical vacuum propulsion. However, in the evolutionary process we humans must have developed a system of choice delay called human consciousness, which made us responsible for our actions.

Our actions are supposed to be mainly induced by our pre-determined urges and intentions (Benjamin Libet).

The CPT Symmetric Universal hypothesis is in fact an old issue in the physical community, and for some unclear reason left aside. However it is supported by Don.N.Page in: http://arxiv.org/PS_cache/gr-qc/pdf/9304/9304027.pdf called : No Time Asymmetry from Quantum Mechanics.

NEWS :

Abell 2218 (Z=6-7) and Abell 1835 IR1916 (Z=9-10) may be telltales of our a-symmetric position in the Universe.

March 9-2004.

If the pairing black holes mentioned before as multiple hotspots (Lyman Alpha Emitters and Lyman break Galaxies:

<http://cosmos.as.arizona.edu/~thompson/pubdb/docs/shimasaku03a.pdf>) in the Subaru Deep Field Survey, are the telltales of first Galaxy formation at Z=4,8, then we may interpret the recently found young Galaxies at Z=6 and even up to Z=10 (Abell 2218 respectively Abell 1835 IR1916: see: <http://www.newscientist.com/news/news.jsp?id=ns99994756> march-1-2004) as the telltales of our Anti-symmetrical position in the what could be coined "12 lobed Raspberry shaped CPT symmetrical multi-universe".

If our material universe is located inside one of the raspberry lobes, and we observe the microwave background of the complete CPT symmetrical multi-Universe, then it is clear that we may observe different redshifted Early Galaxy formation processes, from different directions (see the raspberry universe below)

Pairing of Binary Black Holes, the origin of fast Galaxy- and Star formation and Gaseous Hotspots in the early Universe.

XXXX Multiple Hotspots recognized as Massive Halos, in Deep Field High-Z Subaru Deep Field Survey. XXXX

The first serendipitous discovery of EARLY large scale structure in the Deep Field has been performed by the Subaru Deep Field Survey. See: K. Shimasaku, <http://cosmos.as.arizona.edu/~thompson/pubdb/docs/shimasaku03a.pdf> At page L113, Figure 3, we see a Massive Halo with 43 LAEs (Lyman Alpha Emitters) aligned candidates (black dots). According to this new model, these LAEs should represent so called "Big Bang Splinter Black Holes" or Galaxy seeds, left over from the Big Bang process, inside and even outside the Progenitor Clusters of Galaxies.

Some of these paired dots are already representing a third black dot, located in between them, which is presumed to represent a progenitor fast growing Giant star as the progenitor of the future Lyman Break Galaxy (LBG) itself.

According to K. Shimasaku, LBGs and LAEs are both found inside Massive Gaseous Halos. However most LBGs are found as single objects inside Halos (page 20.26) , this is a strong

indication, that the Lyman Alpha Emitters (the paired binary black holes) lose their radiation as soon as LBGs come to growth.

Thus it must be possible that by further determination the triple and quadruple correlated black dots which are seen in the N-W direction of the picture (inside the solid line), there will be found evidence for more of such LBG Galaxies together with LAEs. More information:

See also (page 25 of 26) : [http://www.mpia-](http://www.mpia-hd.mpg.de/GALAXIES/CADIS/irsee2003/PROCEEDINGS/Shimasaku.pdf)

[hd.mpg.de/GALAXIES/CADIS/irsee2003/PROCEEDINGS/Shimasaku.pdf](http://www.mpia-hd.mpg.de/GALAXIES/CADIS/irsee2003/PROCEEDINGS/Shimasaku.pdf) and

http://home.planet.nl/~vuyk0022/App_Haisch.htm#appendix40

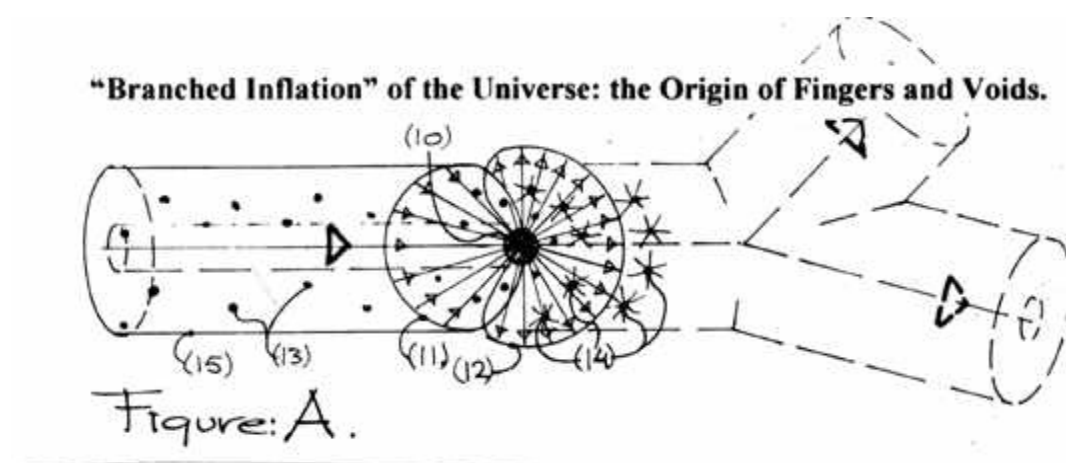
XXXX (09-2-2004) The 12 lobed -Raspberry shaped- CPT symmetric Universe, observed in the WMAP picture. XXXX

XXXX Clear visual evidence for the absence of a "Sachs Wolfe" process in the WMAP (Wilkinson Microwave Anisotropy Probe) Cosmic Background Radiation picture. .

http://map.gsfc.nasa.gov/m_ig/ig_animation2.html

According to this new model: the observed fast Galaxy evolution in the early universe, can be explained by the so coined: 2 stage semi- cold Fractal Big Bang.

This Fractal Big Bang is not a single Big Bang but an evaporation and splitting process (Figure A: 13+14) of the finite sized nucleus of an original Giant Virgin Black Hole (Fig A: 10). See figure A called: Branched Inflation, the origin of Fingers and Voids, (the Lyman Alpha Forest).

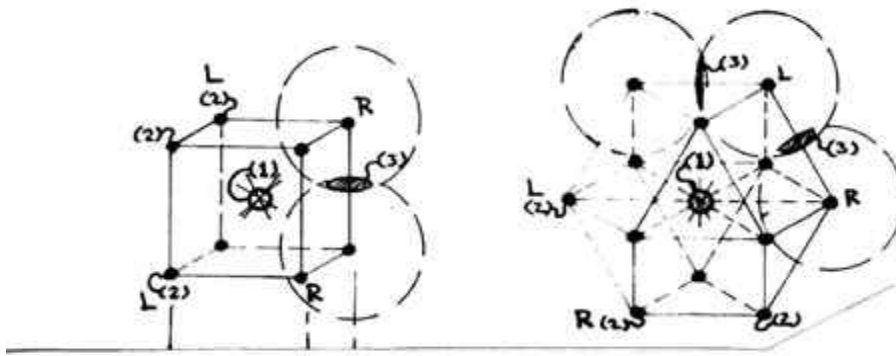


After the evaporation process, the splinter black holes left behind are forced by the vacuum itself, to group in pairs and produce gas and stars in between. We are able to see this Black Hole nuclear spitting process in the form of Gaseous Halos or small "Hotspots" in the MAP (Microwave Anisotropy Probe) Radiation Picture. See WMAP:

http://map.gsfc.nasa.gov/m_ig/020598/020598_ilc_4096B.jpg .

The present-day interpretation of the CMB radiation pictures is, that we see the first light which freed itself, after so called "last scattering" 300.000 years after the Big Bang Inflation. However, in this Semi-Cold Fractal Big Bang scenario, the WMAP CMB represents the Fractal Big Bang itself DURING THE EXPANSION with different times of development, dependent of the distance from its Fractal origin, (the center of the raspberry).

Figure B: Simplified representation of an 8 or 12 lobed CPT symmetric Raspberry Multiverse. See below. "Function Follows Form".



Recently the scientists J.P. Luminet, J. Weeks, A. Riazuelo, R. Lehoucq and J.P. Uzan proposed, that according to the structure found in the WMAP, the universe resembles a finite 12 lobed Dodecahedron shaped soccer ball. However, according to this new Fractal Big Bang model, the universe is more like a 12 lobed raspberry.

In this new Fractal Big Bang model, the hotter areas in the MAP picture are supposed to be the Vortices of the Fractal Big Bang splitting process, during the expansion of the Big Bang leaving groups of Black Holes behind. These groups of Black Holes are able to produce gas by the chiral vacuum system and create massive gaseous envelopes, which show up as "Hotter" areas in the MAP Probe picture.

The Hotspots are supposed to be the connection to the Progenitor Gaseous Halos which are found in the Deep Field High-Z Subaru survey called Massive Halos. The Massive Halos harbour so called Lyman Alpha Emitters (LAEs) and Lyman Alpha Break Galaxies (LBGs) see before (K. Shimasaku).

According to the so called "Sachs Wolfe" effect, the Hotspots in the MAP picture should be counter intuitively be interpreted as Cooler (Cool) Spots, caused by the gravitational effect of the mass concentrations on the emitted light, which has to "climb from the potential gravitational well at last scattering", if we accept the well known Big Bang Inflation scenario. However, in the alternative Big Bang scenario of this model, the Sachs Wolfe Effect is supposed to be absent, because the Fractal evaporation of the Big Bang does create already the Hotspot Microwave Background by itself, without lots of gas in between the hotspots, because it does not start with a smooth gaseous inflation result.

At the same time if we observe the http://map.gsfc.nasa.gov/m_ig/ig_animation2.html WMAP globule, it is clear that the Red Hotspots are real clumped areas within a Blue background SEA and if we would change the color from Blue to Red, the Red hotspots would become Blue spots within a Reddish background SEA.

Thus if we assume (as in both Big Bang scenarios) that the cosmos began with the formation of clumping gaseous hotspots, then the Sachs Wolfe effect is not supported by the clumped hotspot shape related to the background we observe in the WMAP picture.

In this unconventional Fractal Big Bang proposal, it is assumed that there is a so called 2-stage fractal expansion active.

These Fractal branches are created by Splitting and Evaporating Black Holes (EBH's). The EBHs are pushed away from the center of the expanding Universes by the asymmetry of the oscillating vacuum density, leaving the Lyman Alpha Forest mainly populated by small Black holes (the Splinters from the EBHs) behind. See: and

http://home.planet.nl/~vuyk0022/App_Haisch.htm#appendix40 .

As a result it is evident that the Cosmic Background does have differences in temperature just at the start of Stellar and Galaxy formation in the very Early Universe, which will be observable as small Hotspots.

It is also clear that after the early Galaxy formation the Cosmic Background radiation will fade away.

XXXXXX**The Quantized Universal Redshift is a sign for a Nuclear Black Hole evaporation Fractal Big Bang, leaving a non-expanding Fractal structured Universe behind.** XXXXXX

The Fractal structure of the Universe is supported by the discovery of the Quantisation of the (Hubble) Redshifts found by W. Tiff. of 72 km/sec and intervals of it. It was Toivo Jaakkola, who proposed, that the origin should be found in a Fractal structure of the Universe. See: "A Fractal Universe with Discrete Spatial Scales":
<http://redshift.vif.com/JournalFiles/Pre2001/V03NO3PDF/V03N3ROS.PDF> -

XXXX **WMAP-CMB Giant Elliptical Hotspot Group (EHG) evidence for a twelve Lobed Raspberry Multi-Universe.**XXXX

If we imagine the expansion scenario of a Twelve Lobed Raspberry shaped Multi-Universe, then it is evident that we will only measure Microwave Background Radiation of the OUTSIDE of the expanding Raspberry in the form of Twelve GIANT ELLIPTICAL HOTSPOT GROUPS (EHGs).

If we also imagine that we (our Galaxy) are located inside one of the twelve berries (lobes) and certainly not in the MIDDLE of the CMB globule, then as a consequence, we will observe the whole 12 universal CMB EHG's from different evolutionary times and from different directions inside the total raspberry shape.

It is assumed that what we observe in the WMAP is more or less a perfect globular shell picture off-centred from the inside of the multi-universe. Thus the CMB EHG of our single material Universe we observe today must be much "Older" and Bigger, then the EHG we see at the opposite side of the raspberry shaped Multi-Universe, which must be much farther away.

Our own material Universal CMB -EHG should be in fact the OLDEST and the COLDEST area we see. Opposite to our Coldest CMB Area, we will observe the HOTTEST - NOT ELLIPTICAL BUT CIRCULAR SHAPED- CMB EHG in the Cosmos, because that is the place with the most Early CMB, and we observe in fact the evaporating Fractal Big Bang process still in Action.

If we imagine that the axis between the center of our Cold Spot and the opposing Circular EHG, is a new Universal North South axis, Then we must be able to observe 10 elliptical shaped EHG's grouped around the theoretical equator.

The major elliptical axis of these 10 EHG's should be directed more or less perpendicular to the new Universal North South Axis mentioned before.

If we search for such Hot and Cold opposing EHG structures within the WMAP globule, there is evidence for only ONE option, the Huge (not circular but triangular shaped) Cold Spot, located 10 degrees Longitude West (as seen from the outside sphere) of the Galactic center direction (taken as origin) and 10 degrees Latitude South of the Galactic equator. As a consequence, the opposing Giant CIRCULAR SHAPED Group of Hotspots is located at 190 degrees Longitude West of the Galactic center direction and 10 degrees Latitude North.

The reason why our EHG has a triangular shape is not clear, one of the reasons could be that the vacuum is supposed to have the geometry of a Tetrahedral micro lattice .

(3-02-2004) Recently it is proposed by J.P. Luminet, J. Weeks, A. Riazuelo, R. Lehoucq and J.P. Uzan , that the universe shows a Dodecahedral 12 sided structure. Based on the Latest WMAP pictures of the Cosmic Background Microwave Radiation, it is indicated by Max Tegmark, that a Dodecahedron model of the universe, proposed by J.P. Luminet, et al. can not be excluded.

See under conclusions: http://www.arxiv.org/PS_cache/astro-ph/pdf/0307/0307282.pdf and http://arxiv.org/PS_cache/astro-ph/pdf/0310/0310253.pdf

Consequently it will be clear that this is a serious support for a 12 lobed CPT symmetric Raspberry multi-universe. However only if astronomers are able to find a so called "Empty Universal Center" or huge Void, in the center of our multi-universe, or even if astronomers are able to find CPT symmetrical opposing Lyman Alpha / Galaxy Cluster structures, then it will be hard to neglect the Raspberry Model and the evaporating Semi-Cold Big Bang.

XXXXX Cygnus-A: the birth of an Open Star-Cluster inside our own Galaxy. XXXXX

In connection with the former Galaxy / Comet -Black Hole liaison, it is assumed that the Quasars Cygnus-A, is a Stellar object with jets connected to two medium sized Black Holes, (the lobes). In contrast with the common explanation, it is assumed that Cygnus A is located inside our own Galaxy. (see table of contents page 10).

The high redshift is supposed to be mainly gravitational (black holes) and not velocity induced. It is interesting to compare the former Comet Hydrogen production with the hydrogen production of Quasars like Cygnus -A.

If we assume that even medium Black Holes are able to re-combine into double (Cygnus A) or multi lobed (3C75 and SS 433) systems, then this phenomenon could also be the motor for open stellar clusters.

As a consequence, it is proposed that the Quasar Cygnus A is located inside our own Galaxy as the start of a new production platform for an open stellar cluster, which is assumed to be fed by the Self (Black Hole) produced Hydrogen gas.

Representation of Cygnus A, by Figure A: the gaseous envelopes streaming from (1) Black holes to the central Star located inside what is called: a "white hole" (2). Figure B: the Electron Jet and the resulting dynamical structure of the gaseous envelope, feeding the Star. Figure C:

The vacuum oscillatory repulsive vector structure around the system. Attention: this system is assumed to represent also the start of early (simple) Galaxy formation in the Early Universe. "Function Follows Form".



Figure A

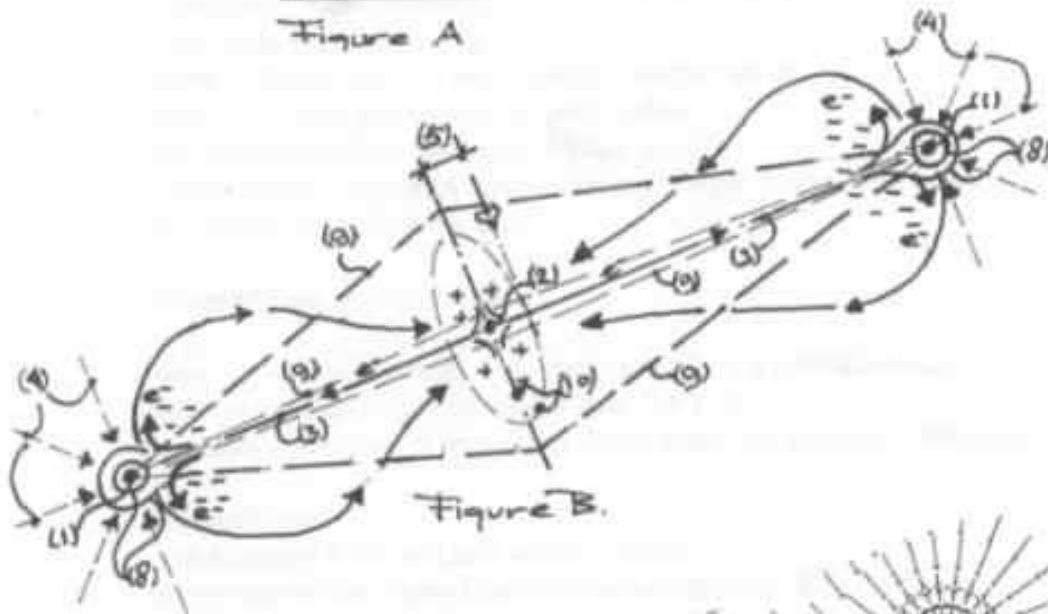


Figure B.

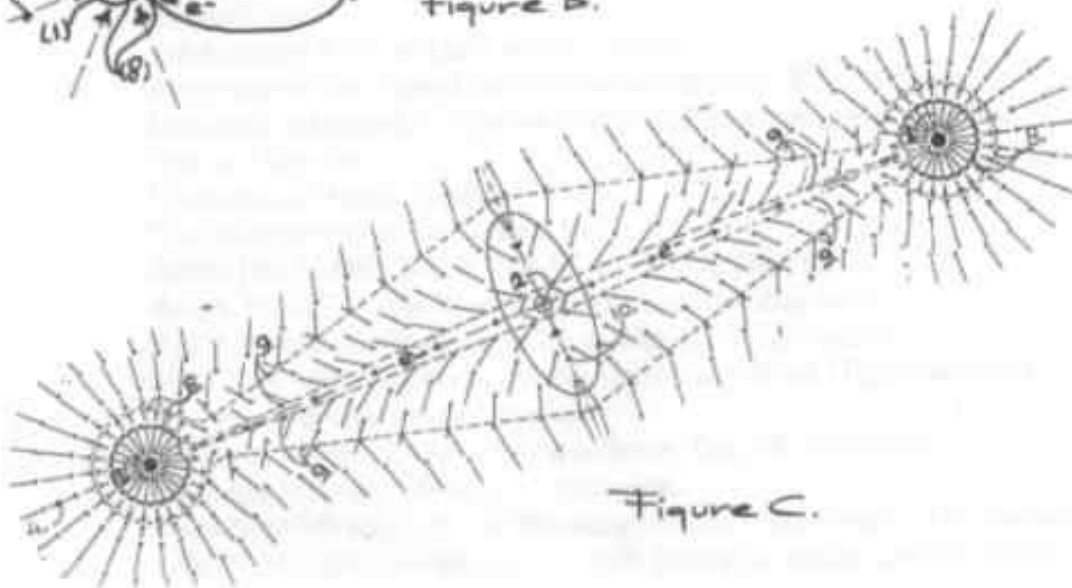
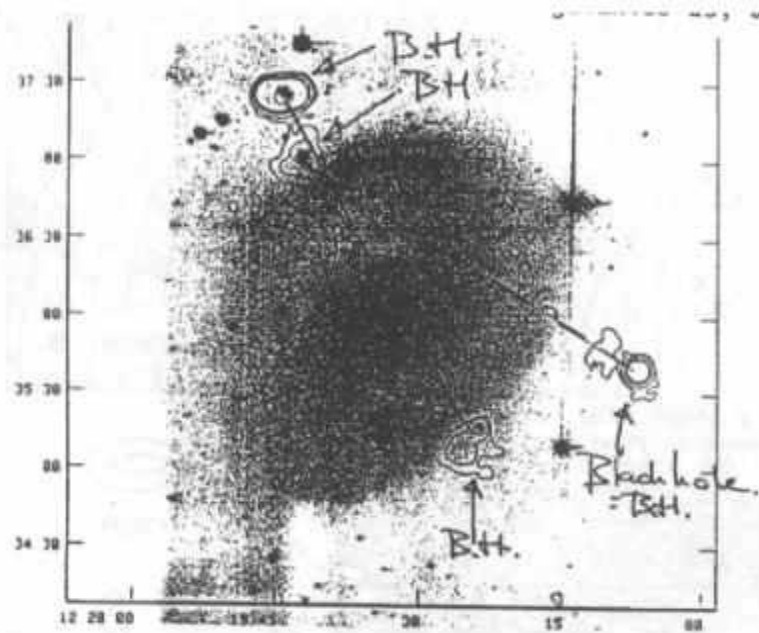


Figure C.

This former black hole system is also assumed to represent the start of early (simple) Galaxy formation in the Early Universe. The dual Black Holes are coined : Galaxy Anchor Black Holes. If two Early Galaxies merge it is even possible to observe the locations of the four Galaxy Anchor Black Holes in a VLA picture. See below for NGC 4319: "Function Follows Form".



The Earth is surrounded and even hit, by matter repelling micro black holes (Comets etc.)

XXXX Stardust Film reveals the Hollow Cap/ Black Hole secret of Comet Wild-2 XXXX
2-3-2004.

The next Film made by the Stardust spacecraft camera shows evidence for a Hollow Cap structure of the Comet Wild-2. (see: <http://antwrp.gsfc.nasa.gov/apod/ap040119.html>)

The Wild 2 Comet seems to have a HOLLOW ICE STRUCTURE with the shape of a plastic bath cap of grey ice with a big zero-light reflecting hole at the opposite side of the Coma tail, which has been crossed by the Spacecraft itself to pick up material from the tail.

These phenomena are in line with the prediction of this model, that Comets, Sunspots and Quasars are hosting small "NEW-PARTLY REPELLING" Black Holes. Inside Comets, these Black Holes are supposed to be small and produce a mixture of complete (anti-) atoms at once, by the strong VACUUM CURVATION around the black hole which is supposed to produce a positron/ electron mixture directly out of the Chiral Vacuum.

For this model, it is assumed that the vacuum in our "material" universe has a preferred chiral (left or right handed) oscillation direction, which is the origin of our "material universe" producing much more Hydrogen than Anti-Hydrogen.

As a consequence these atoms will annihilate each other which produce x-ray radiation. X-ray radiation is already observed from Comet Hyakutake. See:

<http://www.iki.rssi.ru/solar/eng/hyakutak.htm> The Hydrogen production is expected to be located outside the "repelling zone" of the Black Hole and inside the Icy hollow structure of the Comet.

The hydrogen particles or even heavier stuff are spewed out of the Comet, mainly into the direction of the Sun, which coincides with the open side of the Comet and is opposite to the Coma tail. See: ESA picture of Comet Halley, http://www.science-park.info/astronomy/other_body.html.

XXXXXX The "Small Comets debate" and a possible Ball Lightning/ Mystery Ball relation. XXXXXX

It was professor Louis A. Frank and John B. Sigwarth, (University of Iowa) who proposed first in 1986, the relation between so called "Atmospheric Holes" and the possible origin the so called "small Comets" bombarding the Earth in large numbers : up to 10.000 each year.

See: <http://smallcomets.physics.uiowa.edu/wp.html> .

If those small Comets have the same Hollow Ice Cap shape and structure as described above for bigger Comets, including a small internal Hydrogen and even Oxygen producing Black Hole, then we have to search for possible origins of these Tiny Black Holes probably on Earth.

As is described in my Ball Lightning Paper, (Canterbury 1995 . see table of contents page 18-22) one of the possible origins for Ball Lightning is supposed to be a Tiny Black Hole produced by incidental "interference" of Electro-Magnetic Lightning waves.

It is well known, that on top of severe Thunderstorms, knotty Lightning effects are present up to 50-100 km altitude which are called "Trolls, Gnomes or Pixies" see: space shuttle pictures: <http://geology.about.com/gi/dynamic/offsite.htm?site=http://www.gfcc.nasa.gov/skeets.html> It was Paul McCrone, (Creighton University Nebraska 1996) who made a video of an even more interesting phenomenon called a glowing "Mystery Ball", travelling with 1/100 of the speed of light, at about 80 km altitude, thus without MASS. See the next (slow loading) list under: McCrone "mystery ball", which also gives other examples of glowing balls falling from the sky: <http://www.tuvpo.com/special/eng/pdf/geo.pdf> .

If "Small Comets" are equipped with "small Black Holes" and Small Comets are used to fall from the sky, originating "Atmospheric Holes".

As a consequence the small Black Hole is supposed to survive on lower altitudes than the "nuclear ice cap" and buried in the Earth or explode before, like ordinary Ball Lightning does. As is described before, all sorts of Black Holes are supposed to have no mass. As a second consequence this Mystery Ball should be a firm candidate we are looking for, as the origin of Small Comets. The well known explosion in Siberia in 1908, could have the same origin. See: <http://www.dailypast.com/nature/siberia-meteorite.shtml>

New Mass dependent Drag effect, the origin of the isotropy of the Lightspeed. New experiments will falsify Einstein's famous Lightspeed Postulate.

XXXXX Future Low Elevation Satellite Light Speed Test: XXXXX

According to the famous Michelson and Morley (M&M) lightspeed experiment, the null result could be explained by the Lorentz contraction of the apparatus in the direction of the Motion of the Earth through the light medium Reference Frame. Due to the perfect one-way GPS signal speed measurements we make today at elevations of more than 5 degrees, we know now with certainty, that the one-way lightspeed around the Earth is really constant for GPS elevations above the horizon of more than 5 degrees. However it was Dayton Miller who made the same M&M measurements (1926, within a horizontal plane, less than 5 degrees) on a high mountain summit of Mount Wilson. His results are very clear pointing into a direction of some (anti-Einstein) diurnal Reference Frame effect (lightspeed or contraction effect, see: <http://allais.maurice.free.fr/English/media12-1.htm>) .

As a consequence it should be still an scientific obligation of the highest order, to search for subtle flaws in lightspeed measurements, such as low elevation GPS measurements (with elevations less than 5 degrees) , Satellite to Satellite measurements (the Champ or Grace satellites should be capable), Improved Babcock and Bergman Light Carrousel experiments, or signal interference of two signals between two mountain (or two Tower/High Riser) Summits as dr. Yu. M. Galaev did (<http://www.spacetime.narod.ru/0010-pdf.zip>) . If we postulate that each fast moving mass carrying particle "drags" the lightspeed over only a very small "mass dependent distance of extinction" about 1 cm , in radial direction of the particle, then the Massive Earth could "drag" the lightspeed in radial directions to the Earth, with a much longer distance of extinction. This Distance of extinction is coined: LASOF (Local Anti-Symmetric Oscillating vacuum Frame). As a consequence, the LASOF is the origin of this new "scale and mass dependent drag effect of the lightspeed" which can be supposed to be the base for the so called isotropy of the lightspeed Postulated by Einstein.

However, it also is a realistic base for new lightspeed experiments falsifying Einstein's lightspeed Postulate and creating new Paradigms.

The basic idea.

The proposals of this paper are based on a combination of a Holistic and Quantum Mechanistic worldview by postulating:

1: That the Big Bang, should be interpreted as a Fractal shaped splitting process and evaporation of one original Super Black Hole Nucleus. This alternative Super Black Hole Nucleus is assumed to have split into 12 (see before; under News) finite CPT symmetric Fractal evaporating and splitting Black Holes, producing 12 Lyman Alpha based CPT symmetric Mirror-Universes. These universes are supposed to have a cube octahedral or Dodecahedral configuration. As a result, there was no so called "broken symmetry" in the Big Bang. As a consequence, our universe is "non local correlated AT A DISTANCE" with one or even more distant and spatial separated Anti-Mirror Symmetrical COPY mirror worlds, filled with an even amount of Anti-Matter and filled with ANTI-MIRROR= OPPOSITE RUNNING time.

Clocks will run in these anti-mirror matter universes literally anti-clockwise (left handed), as a result.

Elementary Particles and Humans, should be able to change within a split moment from observer to observed devices, constantly creating snapshots of reality ("eigenstates"), forced by a constant Holistic (entangled) multi CPT symmetric universal mutual guidance.

As a consequence, Schrödinger's Cat (within the cyanide box) will live or clearly die, in both mirror symmetric CPT Universes before a human opens the box, because it is not a Human conscious action - BUT: the cyanide trigger mechanisms in the dual CPT symmetric boxes itself- that are supposed to remain each others "Entangled" anti-mirror copies (observer and observed devices: as a kind of "self duality"), independent from HUMAN observation or consciousness .

Non-Local correlation coined "Big Bang Entanglement" (BBE) is supposed to act timeless between dual anti-mirror copy Particles living "AT A DISTANCE" in separated anti-mirror copy universes. Subtle and at random phase shifts between these dual correlated anti-mirror copy particles are supposed to be the ONLY origin of the choice between which is the observer and which is the observed particle AND THE ORIGIN THAT WE OFTEN MEASURE VIOLATIONS OF LOCAL CAUSALITY in the EPR Lab (Bell's inequality tests).

The absolute first particle- in one of the CPT symmetric Copy universes- that changes its "eigenstate" by a real collision event, is supposed to be the trigger (observer) for the other anti-mirror copy particle LIVING AT A DISTANCE INSIDE THE OPPOSITE ANTI-MIRROR UNIVERSE to do the opposite. As a result these particles and also these universes, will stay always each others "Entangled" Anti-Mirror Copies.

2: That Elementary Particles have real rigid geometrical shapes, which can transform by collision into other shapes by Anti-Mirror Symmetrical Transformation rules. See page 20, http://home.planet.nl/~vuyk0022/PS_Canterbury.htm#page18 . Thus Elementary Particles are real objects, however according to the first postulate they have no independent existence, they have a continuous guiding relation (by BBE) with its shadow particle (interference)

It is postulated that there are:

A: linear oscillating particles (vacuum particles) , linear oscillating within the chiral vacuum lattice, and light medium,

B: spinning propeller shaped particles (Quarks and Leptons) driven by the energy of the oscillating vacuum particles coined "Dark Energy",

C: motionless particles inside the nuclei of black holes, which are compressed inside the nucleus of the Black Holes by the energetic oscillating vacuum particles, (Dark Energy). At the same time these black hole nuclei absorb vacuum particles creating 1: complex non-

Newtonian gravitation around black holes (Dark Matter effect) and 2: the universal Doppler (Hubble) redshift, 3: positive curved Spacetime, 4: a closed Universe collapsing on itself.

D: Real particles in temporary existence and transition between these three states of motion, like the real particle based photons and neutrinos. The Big Bang is supposed to be a complex transition process from motionless particles (C) into A , B and temporary D states.

E: Shadow anti-particles, type A, B, C and D, which are supposed to be of different material substance, with a Relay guiding function between the anti-universes and always the close companion of real particles. These shadow particles are supposed to split and be reunited with their real companion particles within "single particle interference" effects.

The Holistic part of this reality is based on a new dual Universal EPR correlation system by using the so called TI (Transaction Interpretation) described by J.G. Cramer. This TI Interpretation is an alternative and more objective interpretation of Quantum Mechanics formalism. It employs an explicitly nonlocal "transaction" model for quantum events with OPPOSITE RUNNING TIME. (see:

http://www.npl.washington.edu/npl/int_rep/ti_over/node2.html)

If we try to create anti-symmetrical twin particles with anti-symmetrical spin or polarization in the Laboratory, the so called non-local EPR (Einstein Podolski and Rosen) correlation is always active between these particles, no matter how far the particles are separated. Thus it is challenging to assume that such an EPR correlation (coined "Big Bang Entanglement" BBE) started in the Big Bang and is still active between "distant twin particles" in distant anti-mirror Universes, no matter how far these (Anti-Mirror) universes are separated, as a "Dual Anti-Mirror Symmetrical" compensation for our "material" Universe.

At the same time these Anti-Mirror Copy universes form TOGETHER a Quantum Mechanical "Closed System" in the pure meaning of Classical Quantum Mechanics, they are each others non-local (so distant) observers and anti-mirror observed subjects with opposite running time. However we have to assume that "anti-copy events" in both universes are subtle and random phase shifted in time to realize the at random difference between observers and observed local systems .

The Mechanistic part of this reality is based on the idea that Waves are in conflict with the idea of Particles. Thus waves must be based on discrete quantum mechanical events and vacuum particle oscillations. Thus we assume that each real particle is somehow accompanied by a so called subtle phase shifted "shadow particle" , which goes through the other slit in so called "single particle double slit experiments". On the Quantum scale it is assumed that only real shaped Particles (Fermions and Bosons) and real Particle shape transformations by collisions between them, are the second base for "Anti-Mirror Symmetrical" reality and the base for the UNIFICATION of all forces in nature.

Mainstream physics is telling us: that in the "standard Hot Inflation Big Bang" process there was ANTI-MIRROR particle symmetry (equal amounts of fermions and anti-fermions) between all particles popping out of the Big Bang vacuum as EPR correlated twin fermions, before a not well understood Anti-Symmetrical Annihilation of these particles took place, killing all the anti-matter components, which left our "single material" Universe behind instead of an "anti-material" Universe.

However, until now there is no hard evidence found for such an annihilation process, and it seems realistic to search for evidence of an other "classical" possibility, that all these twin fermions have real shapes and are able to collide and merge with other real shaped particles (gluons and photons) to form more complex fermions like quarks and muons.

According to this idea, four vacuum particles can transform into two electron positron pairs which transform after a merging process with gluons or photons, directly into a hydrogen atom, because one electron and two positrons change into three quarks to form the proton by merging with photons and gluons, and one electron will stay "clean" to form the shell of the atom. However this seems to be only possible if the environment (the vacuum) has anti-

symmetric mechanical "chiral properties" (left or right handed) which has to be compensated in our opposite Anti-Copy Universe for "Dual Anti-Mirror Symmetry" reasons .

One of the few Holistic-mechanistic worldviews was discussed but abandoned by David Bohm and his collaborator Jean Paul Vigiér.

David Peat described in his book "Infinite Potential" the gist of the problem, as follows:

"Bohm argued that his "quantum potential" guides the electron in a non-mechanical way. But how exactly it operates was less clear.

Vigiér favored explaining the process in terms of some sort of underlying mechanism- a sub-quantum fluid, perhaps. In his opinion the electron exchanges energy and momentum with this fluid and in this sense the electron is "pushed along" (by the fluid).

Bohm went along with Vigiér for a time, but eventually he felt that his theory was being forced too far back in the direction of Classical Physics. The two men simply drifted apart in their philosophies."

...For Vigiér, however, the crisis of the theory lay in the problem of nonlocality. The question of nonlocality is basic to the original debate between Bohr and Einstein on "Independent elements of reality".

Einstein argued that if the quantum objects are far enough apart, they must be independent; since quantum theory could not account for this fact, then the theory had to be incomplete. Bohr countered that quantum systems are an "Un-analysable Whole". This wholeness, present in Bohm's theory, implied non-locality."

However, in this paper, it is assumed that Dual Anti-Mirror Symmetry and BBE is the base for consciousness on all levels of existence. At the same time, we must be able in the future to measure the "Un-analysable Whole" of multiple Copy Universes, by more precise human intention/reaction experiments as Benjamin Libet did before.

Abstract.

Most modern Physical Theories accept that our universe is the most macroscopic "Closed System", created by a Big Bang process which need to incorporate a so called "broken symmetry" and is in Quantum Mechanical terms plagued by observer- and measurement problems, because each phenomenon (or wavefunction collapse) requires an observer.

However if we assume that there was no "broken symmetry" in the Big Bang process, then our universe could be not a single-, but a multiple anti-symmetric "closed system" of spatial separated bubbles of (anti-mirror symmetric) COPY universes, with only one anti-mirror symmetrical reality, synchronized by an, observer-observed dual EPR correlated system (subject-object) what is called "Big Bang entanglement" (BBE).

Thus this BBE system is supposed to solve all observer- and measurement problems.

If we assume that the vacuum has "chirality", left or right handed, which is supposed to be opposite inside dual Matter-Anti Matter-universes, then there is no need for a large scale annihilation of matter/anti-matter in the multiple (Big) Bang process, because then, the vacuum itself is the origin of matter or anti-matter creation.

This is supposed to be possible if we assume that Quarks are compound particles made of different "chiral shaped" photons/gluons, combined with a single "chiral shaped" electron or positron used as building blocks.

If BBE is interpreted as a complex, non-local instantaneous Einstein Podolski and Rosen (EPR) guided "wavefunction collapse system" and a continuous particle guiding system acting between dual anti-mirror universes, then these universes will stay always each others anti-mirror COPY universes. Thus these anti-copy universes must be interpreted as spatial separated subsystems entangled by BBE.

It is supposed that only subtle oscillatory floatation differences or phase shifts are needed between the EPR correlated anti-copy particles living in these anti-universes, to make an alternate observer and observed dual system possible, as is required by Quantum Mechanics. Thus BBE is supposed to create a symmetric two-way mutual influence between these entangled anti-copy universes on the quantum level.

As the ultimate consequence of this new Anti-Symmetrical reality, it will be a real shock to accept the idea that, we humans can have no SINGULAR private Self.

We have to accept that the Private Singular Self is a Cartesian illusion, because all elementary particles and even the "Self" should have a long range "non-local" instantaneous two-way mutual "action at a distance" between dual alternate object-subject related anti-symmetric copy humans.

Famous "free will" experiments made by Benjamin Libet are supposed to be the tell tales of this phenomenon. In our perspective, Time is running (only mathematically) backwards in our opposite anti-symmetric universe. Our opposite anti-mirror copy humans living over there however, will calculate our time as running backwards. "I think therefore I am" should change into "We think by alternate doubt, therefore we are".

In anti-mirror terms, my anti-mirror copy human Self, living in the other distant EPR correlated universe has his hart at the opposite side of his body.

If I raise my right arm, then at the same instant, my anti-mirror Self will raise his (in my perspective) left arm. As a consequence the ZEN BUDDHIST expression: "clapping with one hand" has some physical reality, based on ANTI-MIRROR symmetry between these dual universes.

At the same time experimental evidences for so called "shadow atoms and shadow DNA" does suggest that our copy anti-mirror universe is even represented in our universe by Shadow or Phantom particles. It is assumed that the Big Bang Entanglement system uses these local shadow particles as mediators for the distant EPR guided wavefunction collapse and as the origin of the synchronization of anti-copy universes. As a consequence, the so called "single-particle double slit interference" is postulated to be the interference between a real and its real phase shifted "shadow particle".

Albert Einstein couldn't accept Niels Bohr's Uncertainty and judged Quantum Mechanics as an incomplete theory. In this paper it is assumed that both theories are incomplete, they both miss a causal and deeper understanding of the sub-quantum geometry and continuous entanglement aspects of elementary particles.

The result is a new model, based on a new chiral "Oscillating Quantum Vacuum lattice" (OQV) with a set of discrete real shape changing, but rigid photon/gluon particles and spinning propeller shaped Quarks and Leptons, "pushed around" by oscillating Toroidal shaped vacuum particles, all guided by a particle guiding system, coined: "Big Bang Entanglement" (BBE).

Wave-particle duality in this model, is explained by the shape changing properties of real shaped vacuum particles, combined with a disruption and repairing system of the vacuum lattice.

The Disruption and repairing system of the vacuum is supposed to be the origin of diffraction, refraction and dispersion inside and around atoms, and even the origin of the differences in the lightspeed through transparent media like Glass, Water and Air.

Despite all the experimental evidence for Einstein's Relativity, our search for subtle flaws in Relativity supporting experiments, changed our understanding of the Quantum Mechanical base of Relativity and consequently, the NON-Universality of the Relativistic (Lorentz) Invariance. All Quarks and Leptons are supposed to "drag" the lightspeed around them only in radial directions for less than 1 cm. a so called "extinction distance".

It is supposed that this extinction distance is mass dependent. Consequently Massive objects like the Earth and Moon, floating inside the Solar vacuum isotropic lightspeed Frame, are supposed to have a much larger "extinction distance" as a result called: Local Anti-Symmetrical Oscillating vacuum Frames (LASOFs) or : isotropic lightspeed bubbles.

The Sagnac-, Brecher- and Babcock and Bergman and D. Miller experimental measurements and the 2,7K Cosmic Background Radiation are supposed to be the examples of the subtle flaws mentioned before.

It is assumed that in the near future, improved Babcock and Bergman experiments, Ultra large Sagnac Laser interferometer data and low elevation GPS- or Satellite to Satellite measurements, are able to produce the evidence for these LASOF and 1 cm isotropic lightspeed bubbles. Then Einstein's symmetry between moving observers will be gone but the Twin paradox is rescued and demystified.

Time and mass are inseparable related. Consequently time is "local" time and based on the "jitter" of atoms, which is based on the jitter of Quarks and Leptons. Without MASS, there is no jitter and no Local Time, there is only the potential local Space Time of the oscillating local vacuum.

Atoms or Quarks and Leptons can't jitter within black hole nuclei, consequently only MASSLESS black holes without time will exist, equipped with a new kind of gravity: the repulsive effect of the oscillating vacuum, acting as a "Fifth Force".

The Fifth Force is assumed to be a continuous quantum counterbalance for the other four forces of nature and the origin of the so called Dark Energy. As a result all Feynman diagrams should be made more complex and extended with the continuous interaction of this Fifth Force.

Most modern Physical Theories accept that each Fermion has autonomous "Self Energy", which is connected to its mass by $E=mc^2$. However it is also proposed that particles acquire their Mass from the outside: the Higgs vacuum field.

The proposal of this model is that Both: Energy and Mass is acquired from the outside, from an energetic oscillating Higgs-Virgin crystalline vacuum Lattice.

It will be hard to imagine that the vacuum seems to be filled with an incomplete chiral crystalline lattice spacetime structure, with edges no longer than the "Planck length".

That each edge is occupied with two linear oscillating microscopic rigid but changeable ring shaped particles, called Higgs-Virgin Particles, able to change form after collision into other rigid shapes which have a "chiral" propeller form for Fermions (Quarks and Leptons) and other shapes for Bosons.

Fermions are pushed around (spin) by the vacuum itself and in decay cases, they can change back into other shapes such as the vacuum particle ring shape.

As a consequence, It is more than fantastic to realize that the vacuum should be more densely packed with oscillating vacuum particles, than the jittering "elementary" particle density of a concrete wall or even a Neutron Star.

That the "Self Energy and Mass" of Fermions is originated by a continuous energy transfer by the constant transformation over less than 1 cm, of vacuum particles into bosons and back into vacuum particles.

Key words: Unification, ZPE, Zero Point Energy, MWI, Many Worlds Interpretation, Collision induced Quantum gravity, Big Bang Entanglement, Dual Universal EPR Correlation, Fractal distribution of Galaxies, Semi-Cold Fractal Big Bang, Symmetric Big Bang, Massless Black Hole, Binary Black Holes, Chiral Oscillating Quantum Vacuum Lattice, String Vacuum, Chiral Fermion theory, Dark energy, String Cosmology, Dark Matter, Vacuum disruption, Ergodic hypothesis, Sagnac effect, Schnoll effect, Poponin/Gariaev Phantom effect, LASOF double cones, Dual Conscious Universe, Free Will, Intuition Pump, D.M. Eigler, E. Podkletnov, Frank Tipler, Benjamin Libet, Rupert Sheldrake, Rene Descartes, ESP Extra Sensory Perception.

Introduction.

Richard P. Feynman wrote in his book QED: "I have pointed out these things because the more you see how strangely nature behaves, the harder it is to make a model that explains how even the simplest phenomenon actually work.

So theoretical physics has given up on that."

This Paper is an attempt to describe such a causal and ontological model, Feynman was pointing at. However it must be said, that the strange behavior of nature lead to strange and apparently CRAZY approaches.

The alternative approaches of this model are:

- 1, that the universe is interpreted as a real particle based "Holistic" quantum system, with computer alike features. This quantum system is supposed to have discrete calculation and memory options, based on different kinds of mirror symmetric EPR (Einstein Podolski and Rosen) correlations called Big Bang Entanglement (BBE) acting on different levels of existence from elementary particles up to humans.
- 2, that the universal vacuum is interpreted as a linear energetic oscillating particle based "space frame" in the form of an incomplete 3-D tetra/octahedron lattice, with a fixed chirality left or right for individual (sub) universes and a lattice length of the Planck Length. That the energy of all these oscillations is the origin of so called "Dark Energy" which is compensated by the negative (Dark) energy of the vacuum oscillations within the distant anti-mirror entangled Universe.
- 3, That the vacuum is acting on objects (quarks and Leptons) in FREE FALL in the form of mutual compensating resistance and propulsion by the vacuum, originating real Lorentz Transformations , Local Time and Inertia.
- 4, that the universe is created without "broken symmetry" by a 3-Dimensional semi-cold Fractal Big Bang out of a "Big Crunch Black Hole nucleus" with a finite particle content. That there is always a mirror symmetry between opposite parts (universes) of the (Raspberry shaped) globular shell of semi-cold Big Bang Fractal expansion down to the smallest sub-quantum scale.
- 5, that as a result, an even set of anti-COPY universes will exist, equipped with mutual so called "anti-mirror symmetry", which is present not only at the quantum level but on all levels of existence, up to humans.
- 6, that real Toroidal shaped unifying vacuum particles dubbed "Higgs-Virgin particles" can change shape, by mutual collision or collision with fermions into other singular particles, which are able to combine into compound quark particles like quarks or "massive" Leptons (Muon and Tau) .
- 7, that each elementary or vacuum particle is accompanied by its "shadow (anti) particle" for universal memory and guiding reasons. That there are indications that there is "shadow matter" on all levels of existence. (the explanation of single particle- dual slit interference experiments) (see: DNA Phantom effect; page 44: called : Are Phantom particles the hard core of universal memory?)
- 8, that the oscillating vacuum particles are the only energy source in the universe, "pushing around" all real but "complex spinning" propeller shaped particles, (Fermions).
- 9, that Photons are "short living" (<1 cm trajectory) single shaped particles, originated by each collision of a vacuum particle with Quarks or Leptons. After <1cm, the photon pops back as a vacuum particle, initiating a photonic information wave. Within the 1 cm boundary the photon is supposed to be able to compute and file its digital direction in the vacuum lattice, its local lightspeed based on different micro amplitudes inside the Vacuum Lattice and its polarization plane.
- 10, that all inertial motion of matter in the local vacuum frame is maintained on what is coined real "Lorentz polarization" of propeller shaped Quarks or Leptons. Quarks and Leptons are supposed to be rigid particles propelled by the oscillating vacuum itself. The Lorentz polarization is supposed to guide the propeller particles main axis, to overcome the vacuum frame resistance. That the local oscillating vacuum frame and the absolute speed of matter through the vacuum frame, is responsible for the jitter of Quarks or Leptons, which is responsible for local Time and Mass (real Lorentz transformations) .
11. that black hole nuclei tend to explode if they are not stabilized by enough vacuum pressure, originated by the vacuum oscillations. All black holes (young or old) "eat" or absorb the vacuum particles which originate a strong positive space frame curvature. Black Holes are supposed to be responsible for the Hubble redshift, for so called "Dark Matter" effects and for the Contraction of the Universe, which will collapse on itself.

12, that Cosmological time is supposed to be originated by the absorption of the vacuum by all black holes, which create Cosmological pulsating effects within long periods. For our Galaxy (about 13.000 years by Galaxy center explosions, suggested by P. LaViolette) and finally for the pulsation of the universal Big Bang- Big Crunch system, (by all black holes together) originating Cosmological Time.

Conclusion: The Universe is made by evaporation of the nucleus of a Giant virgin Big Crunch Black Hole and is not expanding but contracting aiming again to a Big Crunch.

The Local Anti-Symmetrical Oscillating vacuum Frame, (LASOF)

The result of this model is that a "mechanistic but Holistic" "Oscillating Quantum Vacuum" lattice is able to mimic the Relativity rules, with one exception, it mimics only partly the universal constancy of the Light speed.

However, the lightspeed constancy is mimicked by the vacuum and "dragged" within so called LASOF "double cone" boundaries located on both sides (in front and at the backside) of massive objects in motion through the Solar vacuum lattice reference frame. (LASOF: Local Anti-Symmetrical Oscillating vacuum Frames).

It was a challenge to find evidences for this, and it was found by so called "Subtle Historical misinterpretations of the experiments" made by K. Brecher, Babcock and Bergman and Sagnac and D. Miller .

Consequently it is possible to explain the constancy of the light speed around massive objects like the Earth, in an ontological quantum mechanical way, by so called Microscopic Amplitude Variations of photonic waves, acting within "extinction distance" boundaries called LASOFs.

Thus it is possible to replace the cornerstone of physics and astronomy: Local Lorentz Invariance (LLI) without collapsing the house. Consequently we may reject the absolute equivalence of all "inertial frames" (e.g. the twin paradox is no paradox any more) and the absolute symmetry of Relativity at all levels of abstraction, with an exception for "Local Position Invariance" (LPI).

The resistance for acceleration of mass must be found in the altering of the interaction events of the oscillating vacuum particles "pushing Fermions around" in an altered spin polarization called "Lorentz Polarization".

Consequently, altering the Lorentz polarization of fermions is the origin of the resistance for acceleration and the need for energetic action. Lorentz Polarization itself is supposed to be the origin of resistance less motion of mass "pushed through the Solar oscillating vacuum lattice frame" by the vacuum itself.

The null result (or better : the absence of a clear result) of the Michelson and Morley experiment is not originated by the "ether drag" or "the Lorentz contraction" but by the microscopic amplitude variations of the photonic vacuum oscillations within the LASOF boundaries "dragged" by the Earth.

However, if we try to create an alternative for Local Lorentz Invariance (LLI), based on a discrete particle/time based mechanical but ontological system, it has to be expected, that the universe and the quantum vacuum will become a kind of a very complex calculating quantum computer.

This extra complexity seems to be in contradiction with the so called Occam's razor principle, and is an anathema in the physical community.

The result however is, that there are strong indications, that the special "Oscillating Quantum Vacuum" described in this model, is able to mimic LLI with only small violations, in a very intelligent but complex way.

At the same time, the astronomical problems to explain the awesome fractal alike complexity of the inhomogeneous universe (filled with the so called Lyman alpha distribution of galaxies) seem to be much easier to solve.

Due to all these new explanations, it was needed to find a new vocabulary containing new expressions for new phenomena. In this paper, a new type of energetic Oscillating Quantum

Vacuum (OQV) in a crystalline lattice form, with a-symmetrical oscillation qualities called: LASOF (Local A-Symmetrical Oscillating (vacuum) Frame) is proposed, to mimic an observer dependent vacuum lattice. A new type of "instantaneous, non-local two-way transactional" EPR (Einstein Podolski and Rosen) Correlation, or "Big Bang Entanglement" (BBE), is needed to guide all particles and waves in a set of anti-mirror symmetrical universes, without a broken Big Bang symmetry.

Big Bang Entanglement (BBE) is supposed to act between a limited and even set (8-12?) of spatial separated "(anti-)material copy universes".

All universes together compensate each other for energy and information, thus together they add up to ZERO energy and information. BBE is supposed to be the origin of all Quantum mechanical, so called object-subject correlated wavefunction reductions, "outside each others system", as required by standard Quantum Mechanics.

BBE is synchronizing these dual copy universes, every "Planck time", to guarantee that a "broken symmetry" between each particle or wave in these dual universes is prevented, and to keep the omnipresent EPR guided transactional object-subject relation intact. BBE can be interpreted as a dual UNIVERSAL CONSCIOUSNESS or MIND.

Together with the proposal for a system of real shape for elementary particles and combinations of these particles into compound particles (for quarks and some leptons), it is possible to cover the standard model, and to explain mass, motion and the 4 forces of nature in an ontological way.

In this model it was needed to describe weird consequences, like: massless black holes, the Oscillating Vacuum as the ONLY energy source in the universe, a semi-Cold Fractal Big Bang of an even number of dual universes, without symmetry breaking, and a multiple dual symmetrical Big Crunch.

Ether Reference Frames.

In 1905 Albert Einstein introduced the special relativity theory to solve the difficulties encountered with the ether concept. These problems arose from the mistaken view that matter is not composed of ether.

However, as is evident from the excerpt of his inaugural speech at the Leiden University in 1920, Einstein had by then completely reversed his view on the ether.

"... Recapitulating, we may say that according to the general theory of relativity space is endowed with physical qualities; in this sense, therefore, there exists an ether. According to the general theory of relativity space without ether is unthinkable; for in such space there not only would be no propagation of light, but also no possibility of existence for standards of space and time (measuring-rods and clocks), nor therefore any space-time intervals in the physical sense. ..."

Secondly, the existence of the 2.7 K cosmic radiation, discovered in 1965 by A.A. Penzias and R.W. Wilson, clearly points to an absolute frame of reference.

Geometrical proposal for elementary particles.

The research on this model started with the idea that different sorts of radiation (gamma-ray, x-ray, visible light, Em and electric field radiation) show "overlapping" thus partly equal wavelengths or frequencies, which was reason to assume that photon particles could have a special "particle shape" to discriminate between these frequency characteristics.

The discovery of the peculiar geometrical combination possibilities of the Torus (donut) form -if it is sub-divided into 4 equal parts-, with mutual "internal Toroidal" rotational capacities, gave the answer.

It was possible to combine (click together) these different shapes into a set of 36 different compound propeller alike shapes, based on only 2 basic single propeller forms (electron and positron) and 5 basic single non propeller forms (photon/gluons).

These 36 different shapes appeared to have dual mirror symmetry between two sets of 18 propeller forms with left and right handed pitch.

Thus it was obvious that these 36 shapes could have some relation with the "standard model" of the 36 different quarks, which are proven to have a mathematical anti-mirror symmetry. It appeared that most particles of the "standard model" and even most particle "creation and decay processes" could be easily mimicked by these peculiar compound shapes after "rotation" and combination into compound particles.

The unifying Torus particle is called the "Higgs-virgin vacuum particle" because Peter Higgs suggested the so called "Higgs vacuum particle" and due to the unifying "virgin" properties of the remarkable capacities of the 4x sub-divided Torus form coined Quatron particle.

It was obvious that quarks and the heavy leptons, with an exception for the electron and the positron could have a shape made out of more than one compound and internal rotated virgin particles. All other particles e.g. (photons/ gluons/ neutrinos) could be formed out of only one single virgin particle.

However all these different "rigid" but changeable shapes should be able to represent our universe, so it was a challenge to find an engine and a guiding method for this system.

The engine of these particles was found in the energetic oscillating "Higgs-virgin vacuum lattice" with a "chiral" crystalline appearance, the guiding system was found in a dual anti-symmetric long range operating non-local EPR system; called "Big Bang entanglement".

The result of this model is that it is able to give ontological answers for unresolved physical-, astronomical- and even philosophical questions based on a unifying mechanistic but also Holistic dual-anti-mirror universal system without a so called "broken symmetry" between these spatial separated universes.

The "Crazy" transformed Feynman Idea and a new "Fifth Force" or Vacuum Action-Reaction Force.

Every body seems to be convinced that "NO FORCE IS ACTING ON AN OBJECT IN FREE FALL" however , this model postulates the opposite.

In his book "the Character of Physical Law" (p.37-39), Richard Feynman wrote: "Suppose that in the world everywhere there are a lot of (space filling vacuum-) particles, flying through us at very high speed.

They come equally from all directions, -just shooting by- and once in a while they hit us in a bombardment. We and the sun, are practically transparent for them. Practically, but not completely, and some of them hit.

Look at what would happen; If the earth is moving it is running into the particles coming towards it and away from the ones that are chasing it from behind.

So more particles will hit from the front than from the back, and there will be a (vacuum) force opposing any motion.

This force would slow the earth up in its orbit" (which is proved to be not the case); so that is the end of that theory;.! Well you say, it was a good one, and I got rid of the mathematics for a while, maybe I could invent a better one".

However, in "Crazy" contrast with Richard Feynman this new model assumes that Nature may compensate such an opposing vacuum resistance by a "Fifth Force",

1: if the Feynman vacuum particles are supposed to be energetic oscillating vacuum particles coined "Higgs-Virgin Particles" oscillating in a chiral 3D lattice and

2: if the mass carrying particles (of the Earth) have the ability, by real Lorentz transformations, to absorb just enough energy of this oscillating vacuum frame in the right direction to compensate for the opposing vacuum resistance and to keep this Lorentz polarization in its memory.

A fifth force is born: the directional vacuum energy absorption, a base for new physics.

The directional vacuum energy absorption is supposed to be possible by real "Lorentz transformations" of charged particles relative to the local vacuum reference frame.

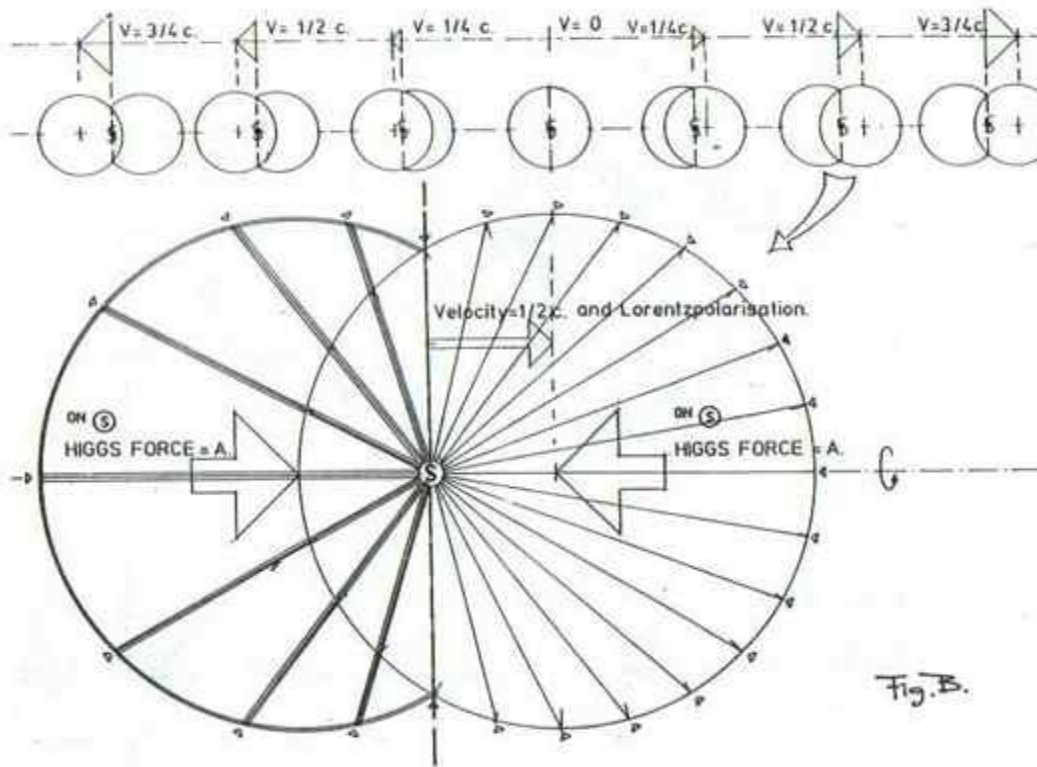
These reference frame related Lorentz transformations are coined "Lorentz polarization"

which act as a memory, in combination with the described Dual Universal EPR correlation.

This memory system as a whole is called: "Big Bang Entanglement" (BBE). Big Bang Entanglement is supposed to be the instantaneous non-local collapse information between "Lorentz polarized" "Twin" particles with charge, and between "Twin" photonic oscillatory vacuum information packets living in two spatial separated Universes.

Thus it is postulated, that the Earth is pushed by the oscillating particles of the vacuum as a compensation for the resistance originated by the Earth's velocity through the vacuum reference frame itself: VACUUM ACTION IS REACTION IN A VERY PECULIAR WAY, BASED ON THE CONE-PROPELLER FORM OF FERMIONS!

This Vacuum Reference Frame is supposed to be anchored around the sun itself, by two medium sized "Stellar Anchor black holes" in dumbbell form situated on both sides of the planetary plane. "Function Follows Form".



VARIABLE HIGGS-VIRGIN IMPULSES AND LORENTZ POLARIZATIONS (Figure B).

Resistance less movement through the oscillating Vacuum spaceframe lattice is only possible, if the effective Higgs-virgin impulses compensate Lorentz covariant, for the resistance of the moving mass carrying particle (S) created by the oscillating vacuum frame itself. See Figure B).

The mass carrying particle (S), is suggested to move with the velocity $1/2c$. through the oscillating vacuum spaceframe lattice to the right side of the figure.

The number of colliding Higgs-virgin particles in each time unit and the impulse magnitude is proportional to the velocity of (S) relative to the vacuum frame.

The mass carrying particle (S), is suffering more frequent but weaker impulses coming from the front than from the back side of the particle.

Due to the "absolute motion through the vacuum", the particle is heading its polarized "nose" proportional into the velocity direction.

Consequently less but more massive vacuum impulses per time unit on the "backside" of the polarized particle, will compensate the more frequent but weaker impulses coming from the front.

This phenomenon we will call: Lorentz polarization.

This Lorentz-polarization has three properties: a polarization grade, a polarization direction and a memory.(as apart of Big Bang entanglement,) So every mass carrying particle has self

consciousness (or Big Bang entanglement) in the way it has a memory for its polarization grade and velocity direction in Higgs-virgin space.

It sounds odd: The Higgs-virgin particle impulses on the nose side of (S) are more frequent (with a higher impact velocity).

However the effective impulses are less massive than those on the "back side" of the polarized particle (S), due to the specific propeller form of these polarized Quarks and Leptons. The total impulse effect must be zero to fit in Special- and General Relativity. As a result both Higgs-virgin forces (A) are equal.

The nuclear particles of Black Holes are not supposed to be able to polarize in the direction of motion through the oscillating vacuum as massive particles do. Thus Black holes are "Locked up" in this vacuum, and can only move, if the vacuum around the black hole is a-symmetric oscillating in the form of a LASOF.

The Human retarded Handshake time.

If we are experienced car drivers, we think that car driving is mostly a kind of autonomous "internal" habit to react always according to our experience on different traffic situations, based on "Our Private Own" driving intelligence.

The longer we drive cars, the less energy it cost to keep attention on the different details of the traffic situation and the driving itself.

We could interpret this intelligence as a kind of "hard disk" memory in our brain, which contains a lot of filed traffic experiences, in the past years we drive cars.

However we often realize, that without seeing a dangerous upcoming situation we often feel those dangerous situations internally, and because of that feeling we often are able to prevent dangerous driving situations.

A lot of people are aware of this habit specially if they have had a near accident and realized that they saved the dangerous situation by acting unconscious and automatically .

How is that possible?

The possible CRAZY answer to this simple but deep question is "Anti-copy-universal EPR correlation" coined "Big Bang Entanglement".

If there is "dual anti-mirror symmetry between separated universes" managed/mediated by "Big Bang Entanglement" (BBE) , then every person living in one of the anti-mirror copy universes is instantaneous (non local EPR) connected to his/hers twin anti-mirror copy person.

It is expected, that this inter-universal non local semi-instantaneous connection acts with some retardation within 200 milliseconds, to be able to save the possibility to neglect or VETO the intention as described by Benjamin Libet, to save a minimal piece of Free Will, and to leave us as an individual responsible for most (the slow) details of our actions.

Thus if there are 12 correlated universes we look with 24 eyes around us, with slightly different perspectives and attention within a retarded time boundary of 200 ms.

Conclusion: we are not alone, we seem to communicate with other anti-twins living in distant universes, who communicate with each other semi-instantaneously (200 ms.), without the notion of it. It is supposed that this "quality" also explains why people are able to play such a high level of top tennis and other sports.

This sounds really CRAZY, but it is a serious option we have to realize, because it is a consequence of this Non-Local, EPR correlated Multi-Universal CPT (Charge Parity and Time) symmetric model.

The Oscillating Quantum Vacuum , and the origin of LASOFs (local A-Symmetrical Oscillating vacuum Frame)

being the origin of the isotropy of the lightspeed around massive objects like the Earth..

The new oscillating quantum vacuum is supposed to resemble a complex incomplete 3D (chiral tetra/octahedron crystalline space frame) lattice at the scale of the "Planck length", which is able to mimic Local Lorentz Invariance (LLI), thus to mimic the constant speed of

light, inside local boundaries around a massive object. These areas are called LASOFs. (Local A-Symmetrical Oscillating vacuum Frame)

The LASOF system can only be effective, if the quantum vacuum lattice is supposed to be chiral and photonic information, (the one-way speed of light) is able to stretch or compactify in the direction of travel through the (Solar) vacuum lattice reference frame, which is assumed to be fixed around the Sun..

As a consequence it is assumed,

1: That the vacuum lattice is able to transport "single photonic information" with each vacuum oscillation of vacuum Higgs-virgin particles between vacuum lattice nodes, within the Planck time.

2: That a photonic (spherical) wave is a combination of multiple trajectories of "single photonic information" each pointing in a specific direction from the source, relative to the chiral vacuum lattice reference frame.

3: That each single photonic information trajectory comprises real spiral and sinusoidal amplitudes.

4: That the 3D- lattice is only able to force the single photonic information into spiral/sinusoidal amplitudes if it has a chiral configuration and if the lattice resembles an incomplete octa/tetrahedron lattice, which is made incomplete in a complex way.

5: That the one-way lightspeed outside the LASOF is not isotropic with the Earthly rotation around the Sun, but isotropic with the Solar reference frame itself. This probably the most simple feature to test!!!!!!! Special Relativity and in fact also GR. The one way light speed test, between two satellites outside this LASOF bubble can give us in the future the answer about reality.

Microscopic Amplitude Variation, the origin of the constancy of the "one-way speed of light". The average longitudinal photonic transmission speed along each vacuum lattice, is supposed to be 7/4x faster than the speed of light c.

To compensate for the 7/4x lightspeed, it is supposed that each photonic information trajectory must comprise a succession of microscopic helical and sinusoidal shaped trajectories, through the vacuum lattice. These routes represent different amplitudes, which can be described as:

1: a "full spiral" route (one projected circle or helical path) comprising 8 amplitude lattices, over a linear propagation distance of 4 Planck lengths.

2: a "sinusoidal curved" route comprising 6 amplitude lattices over a linear propagation distance of 4 Planck lengths,

The photonic information trajectory is executed by the vacuum oscillations and can "stretch" and become "compactified" simultaneously in opposite directions, by an incidental but regular change of the "spiraling ratio" 8:6 into 8:8 for compactification (slower signal propagation), or into 6:6 for stretching (Faster signal propagation) . We will call this effect: the "7/4 ratio change effect". The "7/4 ratio change effect " is supposed to be the origin of Amplitude variation and consequently the origin of the standard transmission speed c. in "flat space", it could be derived by $(8+6)/(4+4)=14/8=7/4$.

Consequently, the smallest standard wavelength in this vacuum lattice is 16x the vacuum lattice length : 2x helical path of 4 lattice lengths, and 2x sinusoidal path of 4 lattice lengths.

It is postulated that the "7/4 ratio change effect" is the mechanism behind the constancy of the light speed within the LASOF area which does also influence the wavelength related to the vacuum lattice to compensate for the 30 km/sec speed of the Earth through the vacuum.

Thus each "photonic information trajectory" is supposed to comprise an amplitude variation as the origin of the constancy of the Light speed.

More "full spiral routes" and less "sinusoidal routes" of the photonic trajectory, means more power spectrum (more photonic content) and bigger amplitude of the wave, which originate a slower photonic wave relative to the (Solar) vacuum lattice reference frame.

The Spiraling "7/4 ratio change system" is the most simple system which is needed to "mimic" Einstein's constancy of the lightspeed within LASOF boundaries.

More complexity is possible, if each photonic amplitude based trajectory still comprises the standard transmission amplitude of $14/8$. Then the vacuum Lattice speed of light has to be doubled and will become not $7/4 \times c$. but $7/2 \times c$.

However, it is assumed that the speed of the Earth through the Solar vacuum frame can still NOT be measured, by these variations of the amplitude- or power spectra of electromagnetic waves.

The only possible Earth speed measurements will be, the GPS "one way signal speed tests" in opposite directions, outside the LASOF of the Earth and with a signal direction, parallel with the propagation direction of the Earth through the Solar vacuum frame and so called subtle diurnal synchrotron microwave variations. (see under "4 tests" page 11).

If the speed of the Earth within the solar reference frame, would be more than $1/8$ of the light speed however, this system could not compensate any more to create a constant light speed around the Earth, by the stretching and compactification principle.

It is assumed that so called superluminal effects of particles (synchrotron) jets in astronomy are originated by this $1/8$ light speed boundary.

Examples of the LASOFs are supposed to be found in the peculiar habits of Binary stars (see page 11, the "source to extinction distance" of the crab nebula, by R.S. Fritzius interpretation of K. Brecher measurements) and in the light speed experiment of Babcock and Bergman in 1964 [see: 3].

The helical/sinusoidal photonic information trajectories are not supposed to "spread" in "flat space, as suggested by standard quantum mechanics.

The only "spreading" or deflection of the photonic signal through the vacuum lattice is originated by the so called "vacuum disruption".

Vacuum disruption is originated by two systems,

1: the Photonic particle Transition into an oscillating "wave" after a trajectory of 1 cm. (called before, the 1 cm postulate), 2: by the absorption of the vacuum by black holes.

The vacuum disruption is supposed to be responsible for : Refraction, Diffraction and Dispersion effects inside and around atoms, or around vacuum absorbing black holes, such as the dual solar "Anchor Black Holes" and "sunspot black holes".

It is proposed, that all "standard" wavelengths are integer multiples of this basic entity of 16 vacuum lattice lengths.

If we assume the vacuum lattice length to be equal with the Planck length, then the smallest wavelength is $16 \times 1,6 \times 10^{-35} \text{m} = 2,6 \times 10^{-34} \text{m}$.

The length of one vacuum lattice (the Planck length) is at the same time the longest "straight" line in the universe, all other longer lines which are supposed to be straight must be composed out of spirals and sinusoidal forms.

It is supposed for symmetry reasons, that the direction (left or right) of the spiraling vacuum lattices in our universe is opposite to the direction of the spiral in our dual anti-symmetrical anti-universe.

The Multi Universal Fractal (Big) Bang.

How the Big Bang started after a Big Crunch.

The figure below represents a so-called cyclic Universal system.

Time means: Universal Evolutionary Time, which differs from the mass connected local time, or local potential spacetime.

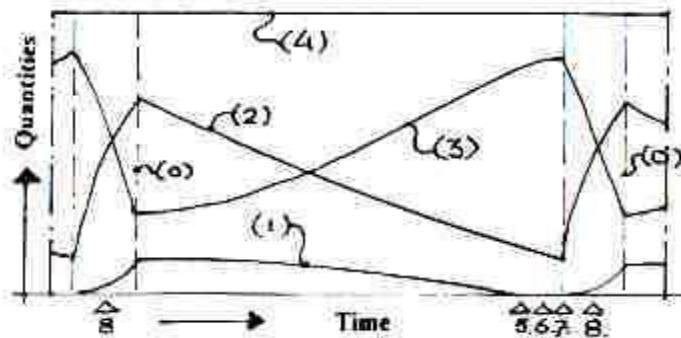
Quantities means: the quantities of all the non zero sized particles, which can be: Higgs-virgin particles, photons, neutrinos, or the constituent parts of quarks and leptons. The total number of particles is constant (4).

However these form changeable particles can be active in three ways: (see: 1, 2 and 3) 1 as real particle electron/positron or Quark and Lepton. 2, as free oscillating vacuum particle. 3, as nuclear black hole particle or clicked back Higgs-virgin particle. All these nuclear black

hole particles are compressed as a kind of Bose-Einstein Condensate (BEC) by the surrounding oscillating vacuum, which at the same time is constantly absorbed by the black hole nucleus.

If most of the vacuum particles are absorbed by these black holes, and the vacuum pressure decreases under a certain level, the Big Bang will start again, as an automatic reaction of the bow tension of all the individual BEC particles.

Figure A. Explanation of the figure numbers, for a (closed) cyclic universal system: "Function Follows Form".



(0) The End of the Semi-Cold-dual Fractal Big Bang "FBB".

(1) Quark- Lepton- Photon quantities, Time related.

(2) Free oscillating Higgs-virgin vacuum particles in all (8-12?) dual universes. (Dark Energy)

(3) Higgs-Virgin Nuclear Particles (HVNP) located inside Black Hole nuclei. (Dark Matter)

(4) Total finite quantity of particles together (1+2+3) in universes is constant

(5) Big Crunch of each universe into a single Black Hole.

(6) Multiple Black Hole crunch into only one single Big Crunch Black Hole. (BCBH)

(7) Pre-Big Bang of BCBH into multiple 1e and 2e stage Big Bang Black Holes

(8) Fractal BB evaporation of a dual symmetric set of anti-copy universes, synchronized by Big Bang Entanglement.

The Big Crunch Process.

The single black hole at point 6 (fig. A) is called the Big Crunch Black Hole (BCBH). The BCBH continuously absorbs (eat) the (finite) Oscillating Higgs-Virgin Vacuum (OHVV), which originate a decrease of vacuum pressure at the BCBH's nuclear surface. Each Higgs-Virgin Nuclear Particle which is compressed in the BCBH's nucleus resists this vacuum pressure by its so called "Higgs-Virgin Bow Tension".

The total nuclear Higgs-Virgin Bow Tension at the surface of the BCBH nucleus is before explosion of the BCBH in balance with the decreasing Vacuum pressure.

The Big Crunch Black Hole (BCBH) Nucleus is supposed to contain all the hard rock matter and most of the vacuum particles of the former universes, in a so called "click back" form: the Higgs-Virgin Particle (HVP).

These HVP's have two forms of existence. They come in the form 1: as an Oscillating Higgs Virgin Particle located in the Oscillating Higgs Virgin Vacuum Lattice, or 2: as a Higgs-Virgin Nuclear Particle located inside Black Hole nuclei, which are confined in these nuclei, by the surrounding oscillating Higgs-Virgin Vacuum compression itself.

This compression force has the same origin as the so called "Casimir effect".

The semi-cold dual Fractal (Big) Bang, originated by evaporation and creation of the expanding universal vacuum surface.

If the decreasing Vacuum Pressure at the Big Crunch Black Hole's (BCBH's) nuclear surface (6, fig. A) becomes less than the total increasing internal total bow tension of the Higgs-Virgin Nuclear Particles, the nucleus of the BCBH will first explode into a limited number of 1e stage Big Bang Black Holes (1-BBBH's).

These 1e stage BBBH's are not able to explode directly again, because the nuclear Total internal bow tension of the Higgs-virgin Nuclear Particles is supposed to be smaller than the

Vacuum pressure at the BCBH location. These 1e stage BBBH's are supposed to start to explode into 2e stage BBBH's, as soon as the decreasing vacuum pressure, away from the center of the Big Crunch vacuum bubble, is in balance again with the total nuclear bow tension of the 1e stage BBBH. (See point 7)

Thus the resulting even number of Dual- Multi-Universes are originated by 2e stage BBBH's in a new type Fractal Big Bang .

This new Fractal Big Bang is able to produce a universe, in accordance with the so called non-homogeneous Fractal distribution of Galaxies in the universe, also called the "Lyman-Alpha Forest" in the form of a Pear shaped balloon with the main root of the fractal located at the stalk of the pear.

<http://classes.yale.edu/math190a/Fractals/Panorama/Astronomy/Galaxies/Galaxies.html> .

The Dual Universal Big Bang process is supposed to be a splitting process of the original single Big Crunch Black Hole, (BCBH) into 2e stage Big Bang Black Holes (BBBH's) with an even number of twin BBBH's, which act as the centers of dual correlated spatial separated Twin anti-chiral Universes.

These 2-BBBH's are two by two equipped with opposite spin, which is the base for future Universal Chirality.

The opposite spinning 2e stage Twin Big Bang Black Holes are supposed to be full anti-symmetrical copies of each other.

These 2-BBBH's and the resulting universes which are created remain anti-symmetrical, because they are supposed to have an EPR "two-way instantaneous EPR correlation" called "Big Bang Entanglement" between the twins, for each nuclear Higgs-Virgin Particle and for all future matter.

Each Higgs Virgin Particle has a so called "Higgs Virgin Bow Tension" , which is the origin of all energetic oscillations of the Oscillating Higgs-Virgin Vacuum and the origin of the complex Fractal Big Bang .

The complex Fractal Big Bang for each single universe is based on an explosion and evaporation process of a single Big Crunch nucleus.

Thus it can be compared as the opposite procedure of universal implosion, as has taken place in the Big Crunch implosion.

The BCBH is first supposed to split into an even number (8 or 12?) of dual EPR correlated "sister" Black Holes in respectively a cube or cube-octahedron configuration.

The 8 or 12 "surface nodes" of these configurations are supposed to coincide with the 2e stage Big Bang Black Holes (2-BBBH's), which are the EPR correlated "seeds" for the secondary "single universal Fractal Big Bangs" .

In this single universal FBB the original 2e stage Big Bang Black Hole (BBBH) nucleus will continuously split into multiple smaller sub nuclei, called Fractal Creating Black Holes (FCBH's).

At the same time these sub-nuclei evaporate single Higgs-Virgin Nuclear Particles , which are supposed to oscillate in a longitudinal way, and create a vacuum lattice called the energetic "Oscillating Higgs-Virgin Vacuum" Lattice in the form of a Chiral Incomplete Crystalline Lattice.

For the second part of the 2- Stage Semi-Cold Big Bang Evaporation see:

http://home.planet.nl/~vuyk0022/App_Haisch.htm#appendix40

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[5] Rupert Sheldrake, "Dogs that know when their owners are coming home", and other unexplained powers of animals. (Hutchinson London, 1999)
