Splitting Dark Matter Black Hole Big Bang as the Origin of Ultra-Energetic-Cosmic-Rays-From Far-Away

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Abstract,

Recent UHECR (Ultra High Energetic Cosmic Rays) observations come from the Pierre Auger Observatory, a huge cosmic ray detector array in Argentina. The finding gives the first solid evidence that the rays don't just come from all over, but mainly from a restricted area outside our own galaxy.

Reason to compare the restricted UHECR area with the location of the Splitting Dark Matter Black Hole Big Bang (DMBH.BB) suggested earlier by Quantum FFF Theory. (Function Follows Form)

The first simple comparison do indeed show evidence for a clear match of these areas.

The so called "Cold Spot" well known to be present in the Cosmic Background Radiation (CMBR) is surprisingly located in the middle of the restricted UHECR area and connected with the Large Quasar Groups found by Roger Clowes. (2013 University of Central Lancashire).

As a consequence I suggest, that the UHECR particles are produced by the Big Bang black hole splitting process of the early universe, located in the restricted area of an early Lyman Alpha system.

The early larger black hole chunks of the Big Bang splitting process are supposed to be origin of largest particle accelerators, more powerful than the smaller black hole chunks of later era.

To understand the forming of early ultra high energy atom nuclei around splitting black holes however, we should follow the new black hole paradigm of Qauntum FFF Theory.

Introduction.

According to Quantum FFF Theory, the FORM and MICROSTRUCTURE of elementary particles, is supposed to be the origin of functional differences between Higgs- Graviton- Photon- and Fermion particles.

As a result, a new splitting, accelerating and pairing massless dual Black Hole system seems to be able to convert vacuum energy (ZPE) efficiently into real electric energy and even H2 production at the black hole horizon, by entropy decrease and is supposed to be responsible for all dark matter and Galaxy formation in the universe.

As a second consequence The Lyman Alpha structure of the universe is also supposed to be originated by this splitting and pairing process of Black holes, which should have been started at the beginning of the universe. Thus the big bang could have been a splitting and evaporation process of one or more central "new paradigm" black holes creating huge black holes based Quasars at the start of the Lyman alpha forest process.

Now I suggest that we can observe a strong signal of such a Black Hole splitting event as the start of a secondary branch of the Lyman Alpha system, at Z=1.27, distance, by the recent observation of two or even three huge LQGs presented by R.Clowes. et al. (ref. 94)

As a consequence of the redshift (Z=1.27), it must be emphasized that this huge LQG event can only be the start of one of the many branches of the Lyman Alpha forest in the Big Bang process, and not as the start and centre of the raspberry multiverse as depicted here as an example of black hole splitting.

The Q-FFF model.

New Physics is supposed to be obtained by the architecture of Quantum FFF (Function Follows Form) Theory. Characteristics:

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

2: A massless Axion Higgs particle is supposed to be energetic oscillating, it is the origin all particle motion and spin states and Dark energy inside a truncated tetrahedron shaped chiral vacuum lattice. The lattice chirality (left or right handed) is the origin of our material

universe. Axion-Higgs particles are zero point "Planck Oscillators" the origin of the Casimir force, waiting to be harnessed as free energy.

3: Nothing sucks in physics, Gravitons act with less pressure on Fermions than the Axion Higgs vacuum (dark energy) and everything is entangled by instant communication between at least two anti-copy universe or Raspberry multiverse, being entangled since the big bang. 4: Black holes of all sizes (down to interference black holes like ball lightning) do not emit gravitons, they feel only Casimir Gravity of the vacuum oscillations so they are massless but counter intuitively the origin of dark matter and producers of all Hydrogen by electron and Positron pairs as horizon fluctuations and repel all Fermionic plasma at the BH horizon accelerated by the negative charged electron shell around each black hole..

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

FUNCTION FOLLOWS FORM in Quantum FFF-Theory. The Microstructure of elementary particles, is supposed to be the origin of functional differences between Higgs- Photon- and propeller shaped Fermion particles.

Something small is missing in mainstream physics: a NEW splitting and pairing Massless black hole, the origin of all dark matter, Ball Lightning Micro Comets, Comets, Sunspots up to Galaxy external Anchor Black Holes and the Big Crunch of the CP symmetric pulsating raspberry shaped multiverse.

The multiverse can be compared with a huge pinball machine, with dark energy in the form of linear oscillating double Higgs pins as the origin of photonic collision products with the propeller shaped Fermions as balls. All forces are the result of this entangled Pin-Ball interaction.

The 125GeV Higgs Boson recently found in the LHC is assumed to be not a single but a threefold knot of monopole magnetic particles (North or South).

The 125GeV energy is the base for universal dark energy, the frequency is the base for local time and the length a base for the Planck scale. (Twin Higgs, Dual Higgs, Duplex Higgs, or Tandem Higgs)

As a result, an unstable Higgs vacuum seems to be present around all black hole horizons due to observed H2 plasma production and annihilation radiation created by pair production of positrons and electrons. (Instability of the Higgs field)

The Lyman alpha Structure of the universe seems to be the result of the H2 production and black hole splitting process, which seems to be supported by the recently observed huge Quasar Groups found by R.Clowes, et al. (Ref: 94) and the recent UHECR (Ultra High Energetic Cosmic Rays) observations from the Pierre Auger Observatory.(Ref. 95.) Consequently this seems to be a new support to consider new astrophysical models such an alternative Big Bang black hole splitting process.

Comparison of the Final ESA CMB Planck map with a cross section through the Raspberry Multiverse according to Quantum Function Follows Form theory. Compare the Cold Spot with the Void and the Warmer and Colder Hemisphere of the Plack CMB (left) with observation boundaries (right)

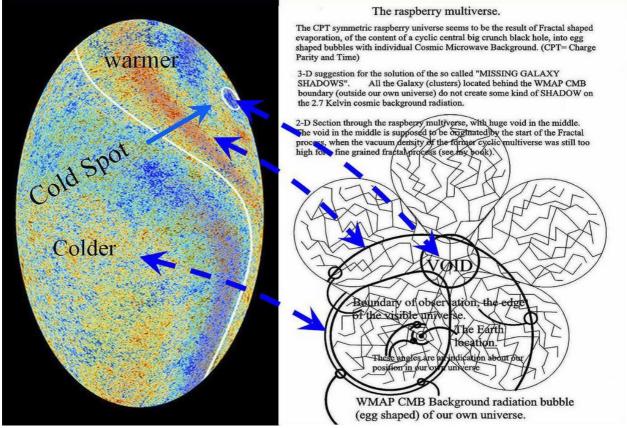


Figure 1, Cold spot location compared with UHECR area, (see figure 2 below)

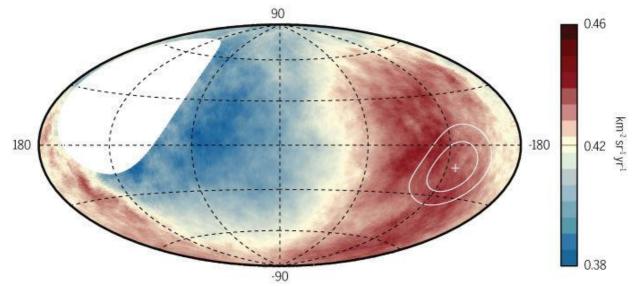
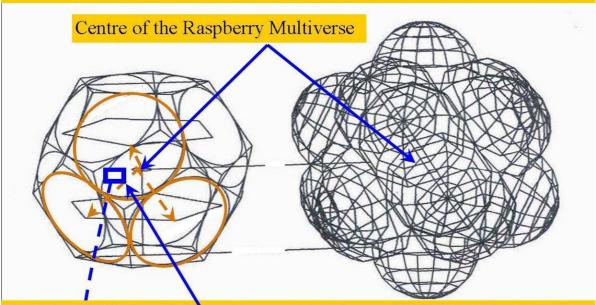
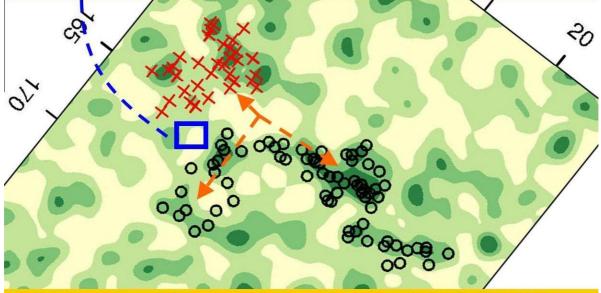


Figure 2, UHECR area with encircled center in white color. (see also figure 1.

THREE LQG's (Large Quasar Groups, suggested by R.Clowes et. al) seem to be related to the Big Bang- Black Hole evaporation process of the Raspberry shaped Multiverse (12x anti-copy universes) according to Quantum FFF (Function Follows Form) Theory. (author L.Vuyk)



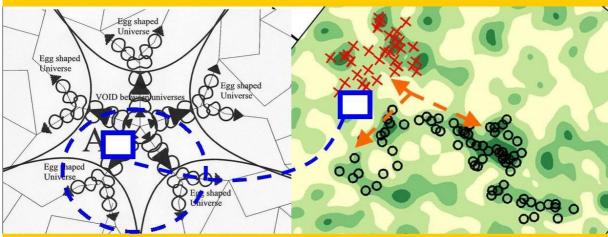
Position of The Earth (our telescope) looking at THREE LARGE QUA-SAR GROUPS being the start of three (out of 12x) universes at the centre of the Multiverse. The other 9x universal LQG's are out of site!



Professor R. Clowes et al. suggested already (but also rejected) that the Huge LQG group (black circles) could be a dual group based on the sharp curvature in the middle.

Figure 3, suggetion to choose for THREE large Quasar Groups and you are looking at the hart of the Big Bang.

The start of the alternative Big Bang or Black Hole splitting and evaporation process, the creation of the Raspberry shaped Multiverse (12x anti-copy big-bang entangled universes) according to Quantum FFF (Function Follows Form) Theory.



The Big Bang Black Hole splitting and evaporation process (or branched inflation) is supposed to create the 'bushy'' Lyman alpha galaxy and gas distribution of the universe leading to so called "fingers and voids"

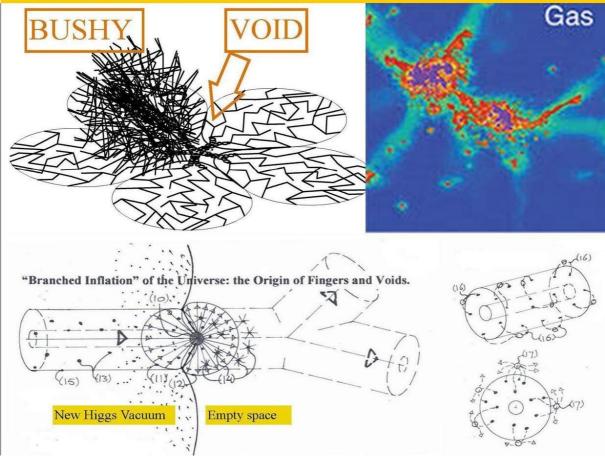
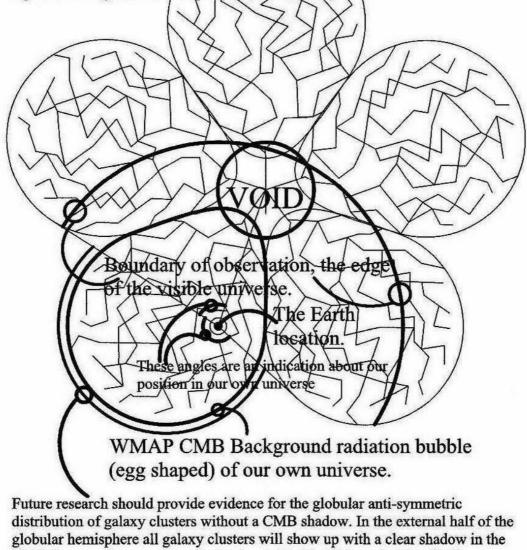


Figure 4, Splitting and Pairing Black holes in the Quasar Galaxy creation process and the Higgs vacuum itself..

The CPT symmetric raspberry universe seems to be the result of Fractal shaped evaporation, of the content of a cyclic central big crunch black hole, into egg shaped bubbles with individual Cosmic Microwave Background. (CPT= Charge Parity and Time)

3-D suggestion for the solution of the so called "MISSING GALAXY SHADOWS". All the Galaxy (clusters) located behind the WMAP CMB boundary (outside our own universe) do not create some kind of SHADOW on the 2.7 Kelvin cosmic background radiation.

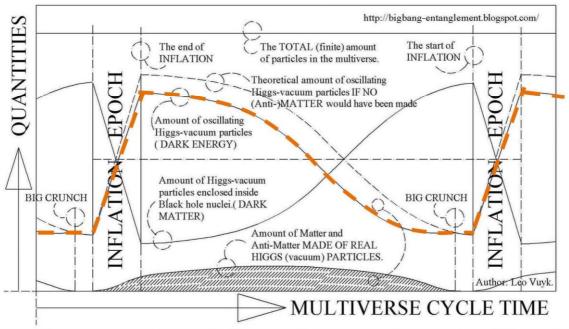
2-D Section through the raspberry multiverse, with huge void in the middle. The void in the middle is supposed to be originated by the start of the Fractal process, when the vacuum density of the former cyclic multiverse was still too high for a fine grained fractal process (see my book).



CMB, because there are no galaxies located behind this part of the CMB. The angle which will be measured between these two hemispheres will be an indication for our observer location in our own Universe. (author: Leo Vuyk)

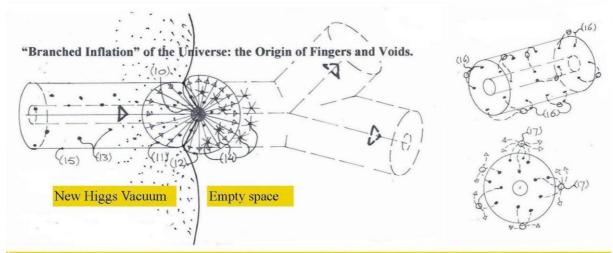
Figure 5, The Raspberry Multiverse (12x)

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



The Pulsating Multiverse depicted as a continuous flow of increasing and decreasing numbers free oscillating- and Black hole condensed Higgs particles and the amount of Quarks and leptons. The size of the pulsating multiverse vacuum is given in orange.

Figure 6, The CPT symmetric Multiverse cycle.



The origin of the Lyman Alpha Forest (15) and Higgs vacuum, by the splitting of the Big Bang Black Hole (BBBH) into smaller Splinter BHs (10). The splinter BHs (10) evaporate into smaller evaporating black holes at the Front (14) which compensate the pressure from the Backside splinter BHs (11). The BHs (11) are assumed to partly evaporate like Bhs (14) also into a newly formed oscillating Higgs vacuum untill the Higgs vacuum pressure stops the evaporation and leave Galaxy Forming BHs (13) behind. However single BH will pair (16) with the nearest other BHs to form Dumbbell systems, which efficiently form Giant Stars and Galaxies (17) in between. (author: Leo vuyk)

Figure 7, Branched inflation : explanation of the numbers

Birkeland/ Aflven circuit currents around stars and galaxies, are driven by new paradigm tandem black holes, producing an external excess of negative charged plasma accelerated by the Casimir polarized vacuum (or Higgs polarized oscillations, according to Q-FFF Theory)

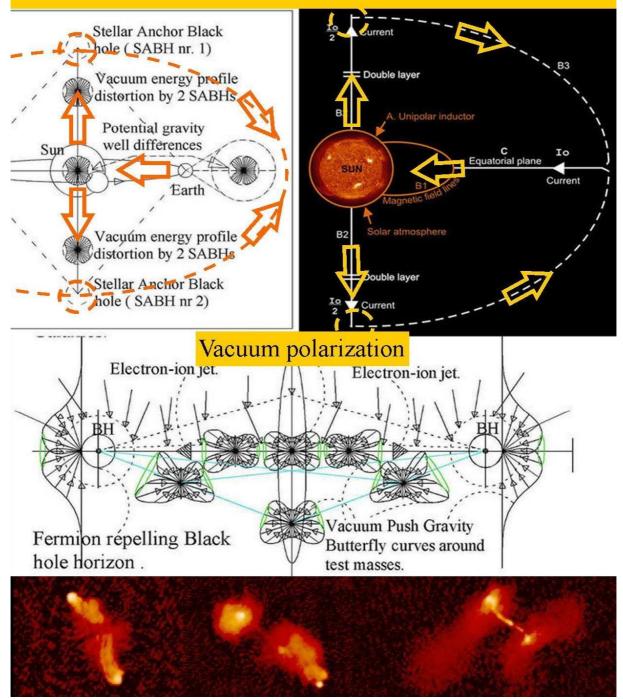
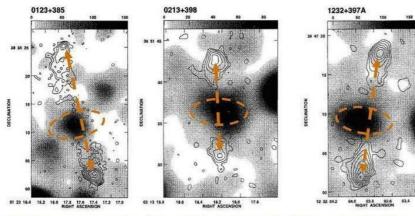
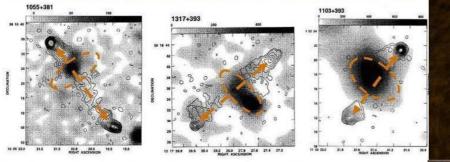


Figure 8. Oscillating Higgs vacuum polarisation with the resulting gas acceleration between black holes of difference sizes like Stellar Anchor Black Holes and Galaxy Anchor Black Holes.



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



TWO pairing and receding micro black holes, propelled by unstable ionised gas tails, as observed in many Nebula: Carina, Eagle, Crab etc. creating HH objects or Gas Pillars.

A 0 Black hole leaving the eeting Gas Ø Tail B back micro bla place for stable Herbig Haro tail swing B oles location (A) or unstable gas PILLAR creation (B). The unstable tail swing Jet-4x splitting Tail B new is guided by external swing Smicro blac gravity sources like the Tail A swing into a RECEDING holes opposing micro black BAR between both Bhs BHS Author: Leo Vuyk. hole gravity and other more distant (Nebula) (O ⊲ Jet sources. 2 pairing Black hole leaving the meeting В micro black place for stable Herbig Haro Gas location (A) or unstable gas holes tail 0 PILLAR creation (B).

Figure 9. Pairing and Splitting Black Holes in Early galaxies Cygnus A and inside Nebula.

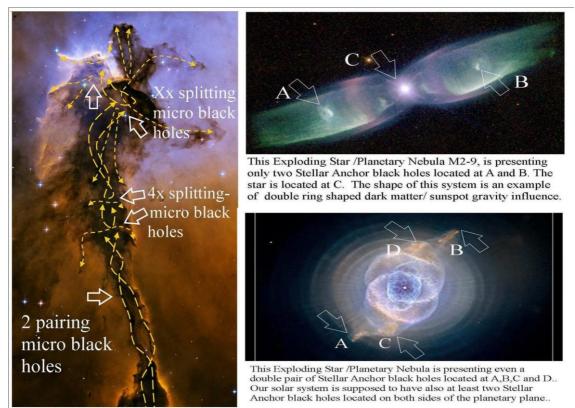


Figure 10. Pairing and Herbig Haro producing black holes inside Nebula and observed as hotspots around exploding stars.

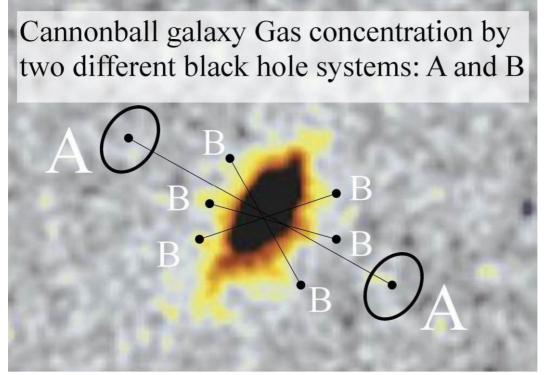


Figure 11. Early Cannonball Galaxy with additional Galaxy Anchor Black Hole system according to Quantum FFF Theory.

BH system A= primordial Giant Black Holes left over from the Big Bang BH splitting process. BH system B= is created by the first supernova explosion Black Holes.

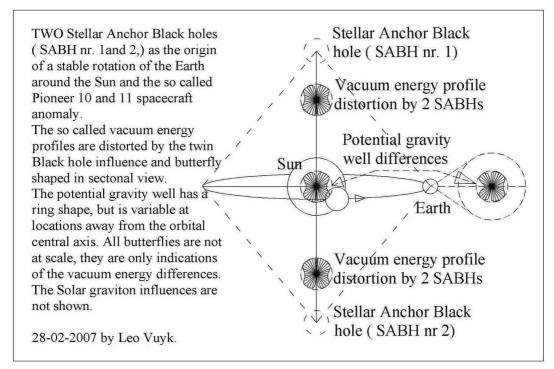
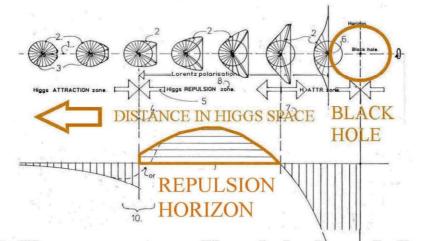


Figure 12. Stellar Anchor Black Holes (SABHs) and the Sun.

The Fermion repelling horizon of new black holes



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

Figure 13. Fermion repelling horizon of new paradigm black holes.

Examples of "new" black holes, accelerated by self produced H2 gas tails leaving gas pillars behind and splitting into Herbig Haro Objects (like HH555) to form a star forming centre in between, according to Quantum FFF Theory.

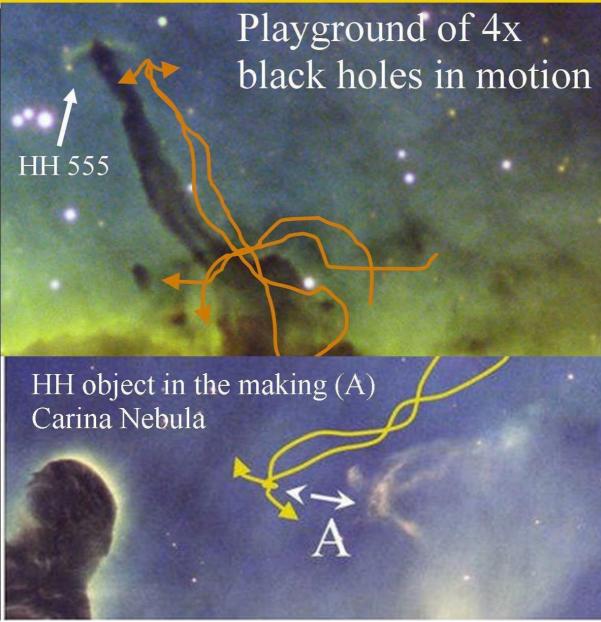


Figure 14. Examples of pairing and receding new micro black holes inside. Splitting to create Herbig Haro Objects with star formation in between.

The New Black Hole Paradigm according to Quantum-FFF Theory.

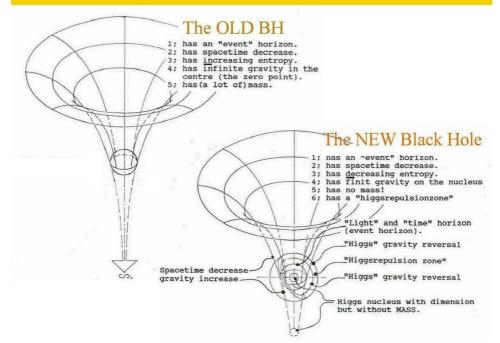
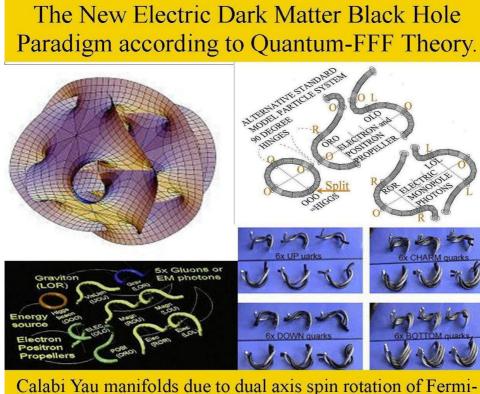


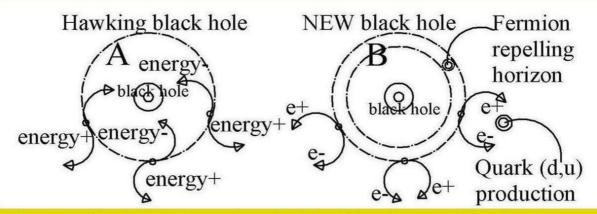
Figure: 15, The nw black hole paradigm.



on propellers driven by the linear oscillating Higgs vacuum.

Figure: 16,

The New Electric Dark Matter Black Hole Paradigm according to Quantum-FFF Theory.



The new black hole is equipped with a Fermion repelling horizon. Fermion Pair production happens around this horizon and produce Quarks (d,u). The Plasma is pushed away from the BH horizon by a so called Fermion propeller spin flip effect.

Due to strong Casimir gravity without a countering graviton effect Free electrons tend to stay at the outside of the plasma cloud creating the ELECTRIC Black Hole. Tandem BH systems create Alfven circuits with plasma creation and rapid transport around stars and galaxies such as Cygnus A (below).

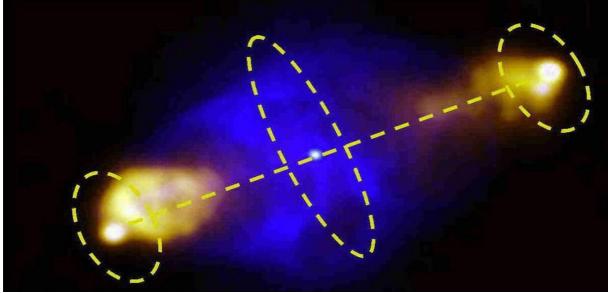


Figure: 17, the new lectric dark matter black hole effects.

The New Black Hole according to the Quantum-FFF Model: Negative Charged (outside) and Fermion (Plasma) Creation out of the massless Axion-Higgs String vacuum. (Fermion repulsion).

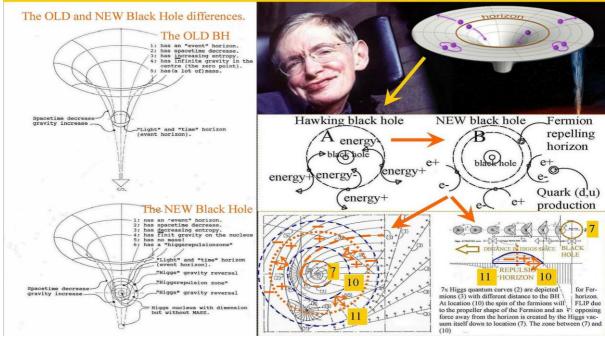


Figure 18, the new Black Hole.

Our position in the 8 or 12 !!! fold raspberry multiverse. Elliptic shaped CMB peak radiations are tell tales. (left). At the rightside a 12 fold symmetric cube octahedron multiverse diagram is depicted with red: matter and green: anti matter entangled universes.

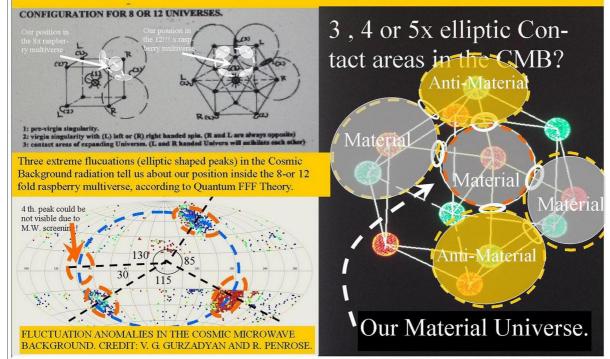


Figure 19, Our position in the 8 or 12 fold multiverse.

Ultra Diffuse Galaxies (UDGs) formed inside Clusters between GABHs (External Galaxy Anchor Black Holes= Dark Matter point sources). According to Quantum FFF Theory.

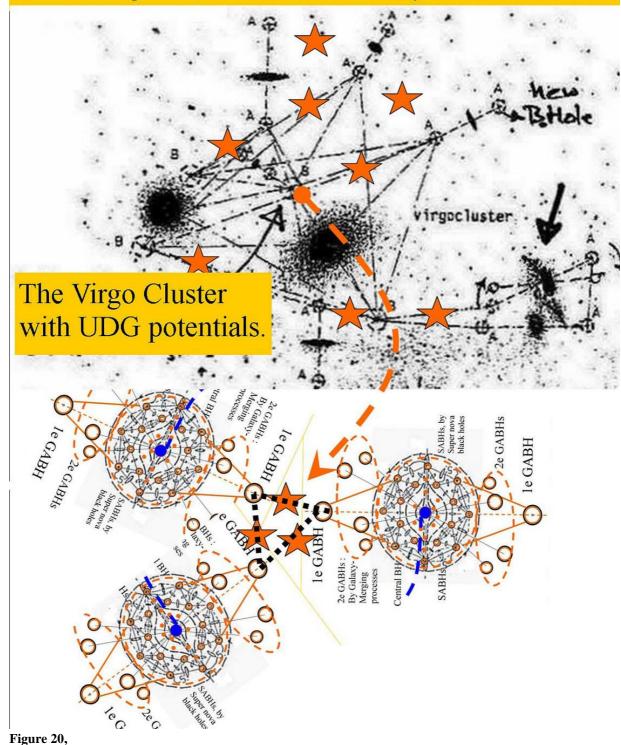


Figure 20, Ultra iffuse galaxies as the result of external new physics galaxy anchor black holes. GABHs.

'Black Hole Splitting for (TDRG)' J1216+0709 Black hole splitting as the origin of spiral Galaxies Markarian 231 as the Infant Stage of after a double or multiple lobed Ouasar process Cygnus-A Quasar. By EDM Black Hole Markarian 231 63 A NEBULA pairing 'Triple-Double Radio Galaxy (TDRG)' J1216+0709 asma tail. In Quantum FFF theory, stars and galaxies need at least two new physics Electric Dark Matter Black Holes (EDMBHs) for a Herbig Haro sytem rity s between both Bhs or: Leo Vuyk (or dual lobed Quasar). However multiple symmetric lobed systems seem also possible by a repeated central black hole splitting process. LIGO based Black Hole ratios and the ability to merge or split into two equal BH parts, able to create Herbig Haro systems and Gamma Ray Bursts. Such BH parts, able to create Herolg Haro systems and Gamma Kay Bursts. Such The origin of Gamma Ray Bursts, by splitting black holes of different size, leaving three BHs behind. Two of them could form a Herbig Haro Object with a dumbled structure. (Quantum FFF theory/gLeo Vuly, Marting Structure and EDM-BHs: Electric Dark Matter -Black Hole systems seem to be active at all scales IVE ION TAE-5 around electron jam due shaped/between two DEFFIGUNT es. The SMALLER BLACK BOLE WELL SPLIT THE LARCER ONE BY TO THE REPORT BY AND ADDRESS OF THE DEFENSION AND ADDRESS OF THE O----- 1.0//1.24-1.9? 2 LIGO ratios: 29-36/ 5-14.2sun= 1.0/1.24/ ouen ---(1.0// 1.0 Example: the Eagle nebula splitting Herbig Haro creation rati SPLITTEL Θ 0-= ----MARA BH 9-2-50.0 1.0//>50.0? Cygnus A central BH

Figure 21, Black hole splitting for TDRGs.

How does the multiverse look like??

VOID

RI

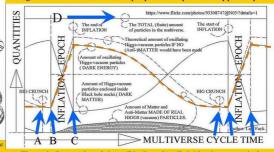
Inflation by scale invariant Black hole splitting and pairing into Herbig Haro systems.

BUSH

Gas tail

The Beginning and End of Time

Multiverse cycle time versus quantities of mass carrying particles, Dark Matter Black Hole particles and Dark Energy Oscillating Vacuum Lattice (Axion Higgs field) particles. All particles and fields are assumed to be based on rigid string paticles. Negative and Positive charged Fermions should have propeller shapes with opposite pitch



A: The end of matter based time. (Big Crunch) All rigid string matter is through At the City of head black holes concentrated into one BH nucleus, which is merger Super Nova black holes concentrated into one BH nucleus, which is compressed by the remaining-but absorbing- deluting-dark energy vacuum. If the deluted vacuum pressure comes into equilibrium with the total internal string tension of the nucleus, the Big Bang BH splits symmetrical into 8 or 12 The beginning of matter based time and the splitting of the Big Bang Black

Hole string nucleus into series of minor secondary primordial BIs, building the fractal shaped Lyman Alpha Forest and the start of dual pairing BIs into pri-mordial Herbig Haro systems with vast galaxy formation in between. All New physics BIs (even micro interference BIs) are postulated to create not only pair production at the horizon, but even entire protons. (plasma) C: The end of primary Big Bang black hole splitting and the end of vacuum ex-praction (exerum influence). pansion (vacuum inflation)

parision (vacuum minatori) D: The Total number of particles during the cycle process is constant According to the Quantum Function Follows Form model.

Figure 22, How does the universe look like?

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