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 Quantum 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).

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)

Centre of the Raspberry Multiverse

Position of The Earth (our telescope) looking at THREE LARGE QUASAR 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, suggestion 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”

![Diagram](image)

**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).

Future research should provide evidence for the globular anti-symmetric distribution of galaxy clusters without a CMB shadow. In the external half of the globular hemisphere all galaxy clusters will show up with a clear shadow in the 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.

Figure 6, The CPT symmetric Multiverse cycle.

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 7, Branched inflation : explanation of the numbers.

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 until 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 Vuylk)
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.

The unstable tail swing is guided by external gravity sources like the opposing micro black hole gravity and other more distant (Nebula) sources.

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.

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.

The OLD BH
1: has an "event" horizon. 2: has spacetime decrease. 3: has increasing entropy. 4: has infinite gravity in the centre (the zero point). 5: has a lot of mass.

The NEW Black Hole
1: has an "event" horizon. 2: has spacetime decrease. 3: has decreasing entropy. 4: has finite gravity on the nucleus. 5: has no mass! 6: has a "Higgs repulsion zone" .

"Light" and "time" horizon.
"Event horizon".
"Higgs" gravity reversal.
"Higgs repulsion zone".
"Higgs" gravity reversal.

Higgs nuclei with dimension but without MASS.

Figure: 15, The nw black hole paradigm.

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

Calabi Yau manifolds due to dual axis spin rotation of Fermion 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 Alfvén 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 right side a 12 fold symmetric cube octahedron multiverse diagram is depicted with red: matter and green: anti matter entangled universes.

Three extreme fluctuations (elliptic shaped peaks) in the Cosmic Background radiation tell us about our position inside the 8-or 12 fold raspberry multiverse, according to Quantum FFF Theory.

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.

The Virgo Cluster with UDG potentials.
`Black Hole Splitting for (TDRG)` J1216+0709

Black hole splitting as the origin of spiral Galaxies after a double or multiple lobed Quasar process.

**Figure 21, Black hole splitting for TDRGs.**

Markarian 231 as the Infant Stage of Cygnus-A Quasar. By EDM Black Hole

**Figure 22, How does the universe look like?**

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

- In Quantum FTT theory, stars and galaxies need at least two new physics:
  - Electric Dark Matter Black Holes (EDMBHs) for a Herbig Haro system (or dual lobed Quasar).
  - However, multiple symmetric lobed systems seem also possible by a repeated central black hole splitting process.

**Example: the Eagle Nebula splitting.**

- 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 splitting systems are observed in the so called Spire part of the Eagle nebula.


- Figure 1. Black hole splitting for TDRGs.

- Example: The Eagle nebula splitting.


- Markarian 231

- Plateau Flares and Emission in SDQ: support the Electric Dark Matter Black Hole pairing hypothesis.

- Quantum FTT Theory supports ED-BHs: electric dark matter black holes.

- EDM-BHs: Electric Dark Matter -Black Hole systems seem to be active at all scales.

- 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 particles. 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 merger Super Nova black holes concentrated into one BH nucleus, which is compressed by the remaining but absorbing/detecting-dark energy vacuum. If the de-tailed vacuum pressure comes into equilibrium with the total internal string tension of the nucleus, the Big Bang BH splits symmetrical into 8 or 12 entangled BH nuclei.

- B: The beginning of matter based time and the splitting of the Big Bang Black Hole string nodes into series of massive secondary primordial BHs, building the fractal shaped 13mm Alpha Forest and the start of dual pairing BHs into primordial Herbig Haro systems with vast galaxy formation in between.

- All New physics BHs (even micro interference BHs) are postulated to create not only pair production at the horizon, but even entire universes (planets).

- C: The end of primary Bug Bang Black hole splitting and the end of vacuum expansion (vacuum inflation).

- D: The total number of particles during the cycle process is constant. According to the Quantum Function Follows Form model.
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