Hydrogen Accelerator for Energy Generation

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ABSTRACT

Hydrogen is the key for solving our overall energy crisis!

More than one hundred years after *Einstein* and *Planck,* we have to use their findings in real practice. Speeding up the *Hydrogen* process to lim*v=c*, the speed of light on *Earth,* the increasing intensity of the *blue shift* impact of the electron process of the *Hydrogen* will be in conflict with the *blue shift* impact of *gravitation*. *Blue shift* conflict is heat generation. Heat generation is energy!

The higher the speed of the acceleration is, the higher is the conflict – the higher is the intensity of energy generation.

We have to consider elements/components/quarks as *processes*, *events* of the infinite chain of energy/mass/energy transformation rather than as particles. In this way, *Hydrogen* is no longer an exception; rather, it is an elementary process with neutron process of infinite low intensity, not measurable within our time system on *Earth*.
The *process based approach* thus gives us a straightforward argument: definition of time can only be given if we consider events.

Gravitation is *sphere symmetrical expanding acceleration* of the *Earth*, an electron function. This resolves another exception: the reason for the constant *g* value of acceleration of all subjects in free fall.

Keywords: Hydrogen, acceleration, gravitation, energy, quantum

1. Introduction

World Energy Crisis Can Be Resolved!

This paper discusses the principle of a new way of energy generation, using the gifts of *Nature* without destroying the *environment*.

Hydrogen and gravitation – our quantum treasures – *are* the keys.

The basis of the energy generation is that the increased by acceleration intensity of the electron process *blue shift* impact of the *Hydrogen* process, becomes conflicting with the *blue shift* impact of *gravitation*. The conflict results in heat generation: heat generation is energy!

2. Experimental and procedures

The technology of the acceleration needs a certain circular channel with electromagnets on both sides of the casing for accelerating the *Hydrogen* process inside.
The *Hydrogen* process is accelerating within the channel.

The *blue shift* impact of *gravitation* is acting within the channel with the *Hydrogen* process. With the acceleration on, the more the speed of the acceleration is, the more is the intensity of the *blue shift* impact of the *Hydrogen* process, the more intensive is the *blue shift* conflict with *gravitation* – the more intensive is the energy generation.

The acceleration channel with certain configuration is shown on Fig.2.1.

Blue shift conflict within the channel with *gravitation*

Electromagnets on both sides all over the casing speed up the *Hydrogen* process
Electromagnets shall be isolated from the *blue shift* impact of *gravitation*

Hydrogen process within the channel

The accelerating channel is of specific configuration: the top cover $S_{cov} > S_{basis}$ is of increased surface, and of specific mineral composition, resulting in the intensity increase of the *blue shift* impact of *gravitation* = increasing the conflict!

e-m

quantum impact of *gravitation*

Fig.2.1

The increased conflict generates heat and needs cooling! Cooling means: taking *blue shift* conflict, energy away.

3. Results and discussion

We have to take the *Einstein* and *Planck legacy* and use *relativity* and *quantum communication* in real practice. This needs a new process-based approach.

The use of the *internal* mass/energy potential of the elementary system of reference for speeding up to speed *v* also speeds up (lengthens) the time flow and decreases the intensity of the process:

$$w = \frac{dmc^2}{dt}\left(1 - \sqrt{1 - \frac{v^2}{c^2}}\right)$$

The mass/energy potential has been lost. (3.1)

Contrary to the above, acceleration of the (elementary) system of reference for the count of external energy source in relativistic terms means the increase of the intensity of the system of reference in acceleration. The speeding up energy is:

$$w = \frac{dmc^2}{dt}\left(\frac{1}{\sqrt{1 - (v^2/c^2)}} - 1\right)$$

The mass/energy potential has been increased. (3.2)

The acceleration of the elementary process of the *Hydrogen* (having been found in gaseous state on the surface of the *Earth* with quantum speed value of *c=300,000* km/sec), results in the increase of the intensity of the electron process *blue shift* impact, increasing in this way the *blue shift conflict* potential of the *Hydrogen*:

$$e_e^H = \frac{dmc^2}{dt_i \varepsilon_H \sqrt{1 - \frac{v^2}{c^2}}}\left(1 - \sqrt{1 - \frac{(c-i)^2}{c^2}}\right) \qquad (3.3)$$

(3.3) above is the increase of the intensity of the electron process of the *Hydrogen* in the accelerating channel.

The external speeding up increases the intensity of the whole *Hydrogen* process: the proton process, as mass/energy expansion becomes of increased intensity; the neutron process of increased energy/mass collapse, driven by the increased intensity of the electron process. Approaching $v = i = \lim a\Delta t = c$ the energy demand would grow to infinity, but even the increased intensity of the *blue shift* impact of the electron process and the related intensity increase of the proton process cannot change the natural fact that the <u>time system of the neutron process of the *Hydrogen* is of infinite length</u>. (3.4)

$$\varepsilon_H = \frac{\varepsilon_p \sqrt{1 - (v^2/c^2)}}{\varepsilon_n \sqrt{1 - (v^2/c^2)}}\sqrt{1 - \frac{(c-i)^2}{c^2}} = \frac{\varepsilon_p}{\varepsilon_n}\sqrt{1 - \frac{(c-i)^2}{c^2}}$$

Equation (3.4) is the best proof of *relativity*: the energy intensity in (3.3) and the *blue shift* conflict are of infinite high values, while the process in fact remains the same, as

$$\varepsilon_H = \frac{\Delta t_n}{\Delta t_p} = \frac{\varepsilon_p}{\varepsilon_n}\sqrt{1 - \frac{(c-i)^2}{c^2}} \qquad (3.5)$$

The increased intensity of the electron process of the *Hydrogen* in acceleration (function of the intensities of the proton ε_p and neutron ε_n processes) is in conflict with the *blue shift* impact of *gravitation*.
The conflict increases the temperature of the speeded gas, generates heat and needs constant cooling!

Acceleration of the *Hydrogen* process generates energy!

Let us discuss now the elementary and *gravitation* aspects of the process based approach of the energy generation.

3.1 Elementary communication

Nature, our life, the universe are events, a constant chain of mass/energy – energy/mass transformation in time: a continuity of proton – electron – neutron processes, with the generation of quantum entropy (mass/energy quantum) within each elementary cycle, accumulating all over. (3.6)

$$\underbrace{\frac{dmc^2}{dt_p \varepsilon_p}\left(1 - \sqrt{1 - \frac{i^2}{c^2}}\right)}_{\text{proton process}} = \varphi \underbrace{\frac{dmc^2}{dt_n \varepsilon_n}\sqrt{1 - \frac{(c-i)^2}{c^2}}\left(1 - \sqrt{1 - \frac{i^2}{c^2}}\right)}_{\text{neutron process}}$$

coefficient, marking quantum entropy taken here as $\varphi = 1$ for calculating the balance

The elementary cycle in (3.6) is in *absolute terms*. The equation demonstrates the full balance. The proton and neutron process balance in *intensity terms* is different: as is proven through the measured difference in proton and neutron process impacts (masses, weights).   (3.7)

$$\frac{dmc^2}{dt_p}\left(1-\sqrt{1-\frac{i^2}{c^2}}\right) \neq \frac{dmc^2}{dt_n}\sqrt{1-\frac{(c-i)^2}{c^2}}\left(1-\sqrt{1-\frac{i^2}{c^2}}\right)$$

[*Carbon* minerals (*diamond*) are the ones closest to the equal intensities of the elementary processes.]

Proton process is sphere symmetrical expanding acceleration: transformation of mass into energy; energy generation from mass status on its own; speeding up the elementary process from *the inflexion point* up to speed value of $i = \lim a\Delta t = c$.

Neutron process, on the contrary, is sphere symmetrical accelerating collapse from $i = \lim a\Delta t = c$ to the elementary *inflexion* point. Establishing mass from energy (the collapse - the neutron process), however, needs "external" drive: *electron process*!

Electron process is the event between the end state of the proton process (the transformation of mass into energy, reaching speed $i = \lim a\Delta t = c$) and the start of the neutron collapse: sphere symmetrical expanding acceleration of the remaining mass, a *blue shift* impact at quasi constant speed value of $a\Delta t = c - i$ - expiring (mass)energy intensity on its own to the value of *quantum entropy q,* establishing the overall *Quantum System of Reference* by each elementary cycle.

[Empty space, vacuum as such, does not exist.]

$$e_x = \frac{dmc_x^2}{dt_i \varepsilon_x}\left(1-\sqrt{1-\frac{(c_x-i_x)^2}{c_x^2}}\right)$$ (3.8)

c_x and ε_x denote certain elementary process

Elementary proton, neutron and electron processes are about t-c-u and d-s-b quark processes, about elementary anti-proton, anti-neutron and anti-electron processes, anti-quark processes, as is demonstrated on Diag.3.1 below:
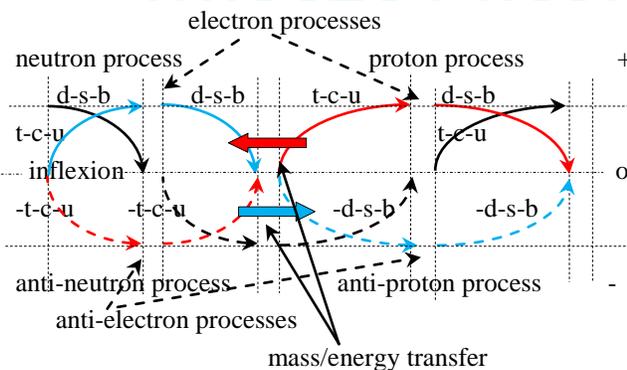
Each elementary process (with reference to 3.5) has its own electron process *blue shift* drive intensity relation:

$$\varepsilon_x = \frac{\Delta t_n}{\Delta t_p} = \frac{\varepsilon_p}{\varepsilon_n}\sqrt{1-\frac{(c_x-i_x)^2}{c_x^2}}$$ (3.9)

and *Intensity Quotient (IQ)* value: $IQ = \frac{c_x^2}{\varepsilon_x}$ (3.10)

$\varepsilon_x > 1$ elements are with proton process dominance and electron process *blue shift* surplus

$\varepsilon_x < 1$ elements are with neutron process dominance

ε_p and ε_n are the intensities of the proton and neutron processes

Electron processes have common time system for elementary communication, independently of the values of the quantum speed and the intensity of the proton and neutron processes:

$$dt_i = \frac{dt_o}{\sqrt{1-\frac{i_1^2}{c_1^2}}} = \frac{dt_o}{\sqrt{1-\frac{i_2^2}{c_2^2}}} = ... = \frac{dt_o}{\sqrt{1-\frac{i_x^2}{c_x^2}}} ;$$ (3.11)

dt_o marks the inflexion point and $i_x = \lim a\Delta t = c_x$

Values of the electron process intensity coefficient of selected elementary processes can be found in Table 3.1, *a*

Element	PN	Measured atomic weight	Intensity coefficient ε_x
Hydrogen	1	1.0079	*12345.679
Carbon	6	12.0110	1.01338
Nitrogen	7	14.0067	1.01420
Oxygen	8	15.9990	1.01533
Aluminium	13	26.9815	0.94697
Silicon	14	28.0855	1.00898
Sulphur	16	32.0600	1.01143
Iron (Fe)	26	55.8470	0.88347
Cuprum	29	63.5400	0.85135
Gold	79	196.9665	0.67810
Lead	82	207.8000	0.65994
Uranium	92	238.0290	0.63776

and the speed values of quantum communication; *b*

Element	PN	c_x
Hydrogen	1	*2718
Helium	4	299924
Carbon	6	300000
Nitrogen	7	298878
Oxygen	8	299711
Aluminium	13	310340
Silicon	14	300652
Sulphur	16	300288
Iron	26	321300
Cuprum	29	327304
Gold	79	366740
Lead	82	371754
Uranium	92	378163

* ε_H and c_H values for the *Hydrogen* process in Table 3.1, a/ b/ are calculated, using measured data.

The neutron process of the *Hydrogen* is of infinite low intensity, therefore, practical measurements are difficult and this is also the reason why the neutron process of the *Hydrogen* process cannot be measured within our time system on the surface of the *Earth*. With reference to (3.6) and (3.7), however, the *Hydrogen* process is with time, intensity and quantum speed values of

$$\lim \Delta t_n^H = \propto ; \quad \lim \varepsilon_H = \propto \quad and \quad \lim c_H = 0 \quad (3.12)$$

It is important to note that the value of ε_x the intensity coefficient of the electron process *blue shift* impact of elementary processes is the adverse in its value to the real intensity: The less its value is, the higher is the intensity.

The natural elementary quantum speed of the *Oxygen Nitrogen, Helium and Hydrogen* processes (in Table 3.1, b/) grants gaseous state to these processes, as they are taken by the quantum speed on the *Earth* surface and results of the *blue shift* conflict and the increased speed. Elementary processes in their treated (cleaned, melted etc.) status on the *Earth* surface have the value of speed of quantum communication *c=300,000 km/sec*.

Elementary processes are formulating with the variety of different proton and neutron process intensities and electron process *blue shift* drive intensity from the status of *plasma*.
Plasma is with electron process *blue shift* conflict of infinite high intensity and quantum speed of infinite high value approaching
the status of the *Hydrogen* process with infinite low speed value of quantum communication and infinite low electron process intensity.

The closer ores/minerals of elementary processes to the *Earth plasma* state are, the higher are their quantum speed values and electron process *blue shift* impact intensities, the drive of the neutron process.

Elementary processes are the product of the cooling of the *Earth plasma* by *gravitation*.

Elementary processes are sequences of events, covering cycles, going through *inflexions* with generation of quantum entropy and starting the cycle again:

proton	electron	neutron	inflexion
electron	neutron	inflexion	proton
neutron	inflexion	proton	electron
inflexion	proton	electron	neutron

Elementary communication means establishing balance between elementary processes with proton process and neutron process dominances.

3.2 *Natural evidence* of the process based approach:

- Definition of time can only be given on a process basis!
- Quantum communication is not about summarization or deduction of speed values. Propagation of quantum impacts is about the intensities (frequencies) of the impact. Light is quantum impact. There is no need to summarize light signals. Light is not an exemption from the summarization law of speed values.
- *Hydrogen* process, as the last elementary process of the elementary chain is with neutron process of infinite low intensity, grants the necessary infinite character – processes without an end – to elementary communication. There is no way the definition *"beginning"* or *"end"* can be given in the *universe*.

3.3 *Gravitation*

Gravitation is sphere symmetrical expanding acceleration of the *Earth* – an electron function, driven by the infinite high *blue shift* conflict of *plasma*, constant energy generation, intensity value of:

$$e_{Earth} = \frac{dmc^2}{dt_i \varepsilon_E}\left(1 - \sqrt{1 - \frac{(c-i)^2}{c^2}}\right); \qquad (3.13)$$

The quantum speed of the motion of the *Earth* surface is $i_E = i = \lim g\Delta t = c = 300,000$ km/sec

with the speed value of quantum communication $c = 300000$ km/sec, the "speed of light".

This way our time system on the *Earth* surface is of infinite length and infinite low intensity

$$dt_i = \frac{dt_o}{\sqrt{1 - \frac{i^2}{c^2}}} \qquad (3.14)$$

as it has been proven by the *Pound-Rebka-Sneider* experiment: the mechanical impact of the accelerating and expanding *Earth* surface generates *blue shift* to any approaching from above quantum impact.

Earth surface, however, is not just having "mechanical" *blue shift* impact by the expanding motion of speed $i_E = i = \lim g\Delta t = c$ to the *Quantum Membrane* surrounding *Earth* surface, but is also providing elementary electron process *blue shift* impact, the result of all elementary cycles of the mass/energy transformation chain from the *plasma* state to the *Hydrogen* process.

Gravitation is providing electron process *blue shift* impact to the *Quantum Membrane* above the *Earth* surface.

Plasma is at one end.

The *Hydrogen* process is on the other.

For *plasma* state the intensity of the electron process is of infinite high value, the intensity coefficient, in line with (3.9), is $\lim \varepsilon_{pl} = 0$, the quantum speed is $\lim c_{pl} = \infty$ and the *IQ* value with reference to (3.5) is:

$$IQ = \frac{c_{pl}}{\varepsilon_{pl}} = \infty \quad (3.15)$$

- the infinite high intensity of the electron process results in infinite short neutron process time of *plasma*. The duration of the neutron process is approaching zero: $\lim \Delta t_n^{pl} = 0$ (3.16)

- infinite high intensity of the electron process results in *blue shift* conflict of infinite high intensity;

- electron process *blue shift* conflict is equivalent to temperature increase;

- if the conflict is of infinite high intensity, the temperature is also of infinite high value;

- the neutron process is passive/neutral – driven by the electron process, result of the proton process; therefore, the correct formulation is: the developed by the proton process electron process *blue shift* impact of the *plasma* state drives the neutron process by infinite high intensity;

- this also means (3.15) is not about a specific proton process of infinite length, rather a proton process which is capable of developing an electron process impact of infinite high intensity (ref. 3.16)

- *plasma* status is the opposite to the *Hydrogen* process status where the intensity of the *blue shift* impact of the electron process – the neutron drive – is of infinite low intensity and infinite long duration.

Relativity is the key.
Plasma is cooled by *gravitation*. *Gravitation* is taking off *blue shift* impact intensity, as the *Quantum Membrane* is expanding in space and time – working out (resolving) the conflict and establishing the balance.
On the way from *plasma* to the *Earth* surface, the intensity of the electron process *blue shift* impact of elementary processes is decreasing with the increase of the time count. The gradient of the intensity of the *blue shift* impact towards the *Earth* surface is decreasing.
The quantum speed of elementary processes, infinite high value at *plasma*, is approaching zero the natural quantum speed of the *Hydrogen* process. [*Hydrogen* process above the *Earth* surface is gaseous and has 300,000 km/sec quantum speed, result of *gravitation*.]

Approaching *plasma* from the cooled by *gravitation* side, with the increase of the intensity of the electron process and of the *blue shift* conflict, the temperature (as indicator of the conflict) is increasing.

[Fire is infinite *blue shift* conflict at the actual quantum speed and intensity of the *Quantum System of Reference*.]

So, there are
➢ the *plasma* with electron process *blue shift* impact, conflict and quantum speed, the drive of the neutron process, both of infinite high intensity at one end, and
➢ the *Hydrogen* process, with electron process *blue shift* drive and quantum speed, both of infinite low intensities on the other.

The *inflexion* point at *plasma* is of infinite high intensity – initiating the next proton process also of infinite high intensity; while the _inflexion_ is missing at _Hydrogen_ status.

Earth is part of the overall elementary balance.
Earth "process", the acceleration for infinite time (*gravitation*), is for working out the conflict initiated by the increased intensity status of the *plasma*.

The comparison of the intensities of the proton and neutron processes is relativistic, as the neutron process is the driven, the passive one, as earlier mentioned, while the proton process is always the energy/mass source of the change with the electron process as the drive. Therefore, the neutron process cannot be "more or less intensive" on its own as functions and processes are results of quantum communication with clearly defined objectives of the elementary balance.

The status of the elementary process decides what the *relation* of the two is (the *Strong Interrelation*), driven by the third, the electron process (the *Weak Interrelation*).

3.4 *Natural evidence* of *gravitation*:

- As sphere symmetrical expanding acceleration, *Earth* surface is "falling" under our feet, *gravitation* is not an exception to *Newton's* law: all subjects have indeed been approached by the *Earth* surface by equal *g* value acceleration.

- *Plasma* of the *Earth* is electron process *blue shift* conflict of infinite high intensity: the expansion is the only way for releasing this conflict. The *Quantum Membrane* above the *Earth* surface and the expanding acceleration of the *Earth* as electron function keep the balance.

3.5 In addition

With reference to (3.6), the equation of the elementary balance in absolute format if intensity and time parameters for the proton and neutron processes are taken as reciprocal values:

$$\varepsilon_n = \frac{1}{\Delta t_n} \quad \text{and} \quad \varepsilon_p = \frac{1}{\Delta t_p} ; \qquad (3.18)$$

The balance in (3.6) gives:

$$\frac{dt_n \varepsilon_n}{dt_p \varepsilon_p} = \varphi \sqrt{1 - \frac{(c-i)^2}{c^2}} = 1 \qquad (3.19)$$

The value of the quantum entropy coefficient is indeed

$$\lim \varphi = \lim_{i = \lim a\Delta t = c} \frac{1}{\sqrt{1 - \frac{(c-i)^2}{c^2}}} = 1 \qquad (3.20)$$

approaching $\lim \varphi = 1$ from above
     as proving the generation of mass/energy quantum.

Inflexion is a process: collapse, driven by *blue shift* impact, turns into expansion developing *blue shift* impact.

In the case when *gravitation* does not provide the quantum speed increase anymore, as elementary processes with intensity get expired, "space" as such will be determined by the reduced quantum speed of the *Hydrogen* process:

$$\Delta s = \lim(c\Delta t) = 0 \quad \text{as} \quad \lim c = 0$$

– increasing this way the intensity of the electron process, otherwise of infinite low intensity and generating *blue shift* membrane and conflict similar to the *plasma* state, for having again the *blue shift* conflict of infinite high intensity, where the collapse and the expansion are going in parallel, as the result of the infinite low value of *space* – established by *speed* and *time*.

Hydrogen and *plasma,* the two sides of elementary quantum communication are connected by *space* and *time*.

4 Conclusion

World Energy Crisis Can Be Resolved!

The increased by acceleration intensity of the electron process *blue shift* impact of the *Hydrogen* process is in conflict with the *blue shift* impact of *gravitation*. This conflict is the source of energy generation of unlimited scale and capacity, with the great importance that it does not destroy the environment!

Hydrogen process and *gravitation* are given to us for energy generation, for our benefit in unlimited volume.

They are the gifts of *Nature* for us to use.

REFERENCES

[1] Zoltan J Kiss: "The Energy Balance of Relativity"
    Trafford, 2007;
[2] Zoltan J Kiss: "Quantum Energy and Mass Balance"
    Trafford, 2009;
[3] Zoltan J Kiss: "Quantum Engine"
    Trafford, 2011;
[4] Zoltan J Kiss: Gravitation: our Quantum Treasure"
    Trafford, 2013;