

Gravitons and subtrons consequently are never come really free which means that they don't appear in quantitatively asymmetric form externally their second hierarchical plane! These first particles are installing real structures at the inside of protons and electrons and their neutrinos, certainly not fine quantized but already in analogy to the galaxy structures of our universe.

The number of protocosms which build-up the particles of the second hierarchical plane is programmed to three types. Those protocosms of electron neutrinos PK_e and of electrons PK_e are the same:

1. PK_p
2. PK_e or. PK_e
3. PK_p and their antis.

This means: the first two particle types called gravitons and subtrons are made to be modules of the stable particles proton neutrinos, electron neutrinos, protons, electrons acting by their protocosms.

The proton-antiproton-annihilation begins below the temperature of $T < 2.177 \times 10^{13}$ K. Those photons work with their energy at electron-positron-pair forming until the temperature has reached the level below. This is given from electron-positron-annihilation at $T < 1.1857 \times 10^{10}$ K for 1 : 1 magons and antimagons of the photon energy of each 5.928×10^9 K.

Derived from rest mass of electron neutrinos and their antis their annihilation can start below of 228.000 K. Protonneutrinos even annihilate below of 124 K. So the consistence of universe is resulting:

- **g and s are ideal products.** The consist of apparently „nothing“, from the *anything moved*.
- e and also p consist of s and g.
- p and also e consist of s and g.
- The universe consists of p , e , e, p and at their inside of s and g!
- Externally of the universe there is the ideal substance, therefore „nothing“ or the fundamental substance for the *anything moved*.

The vacua of gravitons and antis including the vacua of subtrons and antis make the stationary gravity-vacuum of universe: gravitation = negative gravitation (condition of Einstein for stationary cosm). There are each a graviton magon and a graviton antimagon as well as a subtron magon and a subtron antimagon for each gravitational vacuum cosm consisting of a graviton trunk and an anti-graviton trunk and of such combinations from subtrons. Under these conditions the radiation cosms are not forgotten. **But they remain closed or locked in the stable particles of each of the hierarchical plane.** The universal protocosms PK_U are combined of radiation energy, of the four cosm types of the second hierarchical plane and their antis in quantitative difference. Following they are running their installation only over the above called isolated temperature stages but only until those temperatures laying above 2×10^{13} K but still far below of 10^{28} K. Because the higher temperatures for pair formings of gravitons and subtrons only exist internally the four particles of the second hierarchic plane got unstable by energy supply from environment. Even if you reach more than 1028 K in experiment, these particles do not dissolve themselves, but they can form subtron pairs and graviton pairs in protocosmic states very soon annihilating and reflecting the states at the inside of the particles. In these experiments you will see that there is no break of the pair symmetry by chance.

4.10.2. Death and rebirth of stars and star systems

Today one expects the exploded star would only be the expression of the death. By chance or accidentally nebulous products found together making the „fire“ of new stars then.

But we found that the complete system is caused by a programmed process of life transformations.

Today astronomers think that "black holes" would be in the centers of the star systems like Virgo and Andromeda. Here the question results: Why are "black holes" just in the cores of extremely hot areas, when the teaching opinion predicts the „black hole“ as a result of a cold collapse? Isn't it suspicious? Astronomers wonder why completely young stars are existing next to the oldest stars. Fi-

nally they explained this fact with a slower contraction of remaining „big bang nebula". But, should our children just live next to us because the matter of primeval human beings had a slower evolution? This one question shows the contradictions of all present theories of universe and of life evolution.

After our opinion of a radiation supplied collapse into a protocosm, the fact is clear. The structures of systems came from anticollapses. Like shown, the highest density remains in the centers. This is the force for the influx of masses. Driven by gravitation and supplied by radiation, in the center of the galaxy core a protocosm is built-up. In this moment that mass turns around from the external to the internal state. After equ. (2.7,1b) it is immediately disappeared because changed into a very small mass of vibrating surface. The protocosm can be moved by a very small momentum coming from the center (the stronger the momentum, the more the protocosm can fly at all). Then it anticollapses next to the center or far away in the slice or halo population producing new systems nearly the core or for example a small system of very young new stars or only one single star with its planet system.

This is the fountain of youth of matter - the death and the rebirth!

Certainly problem of so-called „worm hole" seems to be able to be explained. This physical building of fantasy should help to overcome the inexplicable phenomena. Disappearing of matter and its return is bound at the change of isolated mass into external mass and reversed. Neither "black holes" nor "white holes" nor "worm holes" are really existing in their strange phenomena but only one uniform process in the shape of those tree features:

- Collapse to protocosm (becoming black - the death).
- matter transport by that protocosm with next to light velocity while the new order is rebuilt (being worm or better being seed - the prepared rebirth).
- anticollapse of that protocosm (becoming white - the rebirth with potency for life and death).

During the galaxy core is missing matter by periodically continuous protocosm production, the process seems to be a fall without an end, externally observed, as if there were concentrated extreme "black-hole-masses" in that core: a barrel without ground.

The core of Galaxy (SAG A) consists of a shell of more than 4 millions of sun masses and a star core of less than $\frac{1}{2}$ million sun masses, which activity is already identified as compact radiation source. This kind of cores we discovered to be a feature of PULSAR. Contracting shell masses and their gravitational energies are pumping up the level of the divergent black-white holes in pulsations guiding with continuous radiation. After this the Galaxy core exports star protocosms PK_s during a continuous production line. At the same it splutters falling matter. New stars are born.

Birth and rebirth are reality. There is no need for a belief, if there wouldn't be still the other *belief* in the „stationary black hole" and in the *accident* which has the purpose that one don't need to accept a world externally the universe in which the programmer of the universe may be living. But the mathematically and logically based belief will be more science than the belief in assumptions.

4.10.3. Transformation of universe matter

4.10.3.1. First objects

Externally the protocosms carry their electrogravitational *wave energy* E_w (after (2.12,8)) or their *rest energy* E_{A_0} . We distinguish the *orbit spin* of the protocosm in universe - differently expressed: its *wave quantum spin* (WQ-spin) and its *primary spin*, which is a primary action standing vertically on the WQ-spin. The monopolar force coupling of gravitational primary spin decides over the kind of gravitation of a protocosm after (2.12,6): negative **or** positive. In universe only positively gravitating protocosms are given but not protocosm pairs. This is differently made in the particles of the universe: