

The No Spin Zone

My friend and theoretical physicist Zony Bermenseder wrote this interesting concept:

Here is a hint from the standard model of particle physics: The non-force carrying 'particles' of the Strong Nuclear Interaction are called Hadrons. Hadrons are either full-spin (bosonic) Mesons or half-spin (fermionic) Baryons (Baryons are either Nucleons: protons and neutrons OR Hyperons). Now Mesons are ALWAYS made up from quark-antiquark couplings and so don't live very long and in their groundstate DO NOT SPIN AT ALL.

Baryons are always made up of at least (and in relative stability) THREE quarks (either of matter or of antimatter, the latter very very rare). Baryons always have a spin.

Stars rotate because they are born from stellar nebulae. This means the angular momentum of the nebulae is transformed in distribution into solar systems; just like a non-spinning meson decays into oppositely spinning products (example a neutral uncharged pion decays into two oppositely spinning gamma photons and a charged pion (-) decays into an oppositely spinning a muon(-) and a neutrino and then the muon(-) decays into an oppositely spinning electron(-) with an antineutrino.

Ok, but where does the angular momentum of the stellar nebulae derive from? Atoms could not exist until the temperature background in the universe as a whole had dropped to about 3000 Kelvin. It was too hot for electrons to stabilize about nuclei (say protons to give hydrogen).

Then the hydrogen of today can be either clockwise or anticlockwise to statistically 50%; but when the universe was hot something else must have spun the two ways.

This something else was plasma vortices, eventually coalescing into the seedlings for the galaxies (from which the stellar nebulae came from).

Now go further back in the cosmological history and at a temperature of about a trillion Kelvin, when the universe was just 20 minutes old and the size of a small solar system (say the distance from the sun to the asteroid belt so past Mars, but before Jupiter); there existed the Protostars, the first stars, not in physical solidity, but as potential energy of the plasma modulating the temperature of the universe background to material density concentrations.

Gamow has called this the primordial Neutron-Matter or Ylem. Today's neutron stars are descendents from those ylem-stars.

Here is the formula (unknown in this form to experts, but they know this as a Jeans derivation):

$$\text{Ylem-Star-Radius} = \sqrt{\frac{kTR_e^3}{Gm_{\text{neutron}}^2}}$$

You can see, that the size of the protostar is independent on its mass, but a function of its temperature T only. The other factors are subatomic parameters, such as the size of the electron radius (classical R_e) and the neutron mass

neutron and the Stefan-Boltzmann and the Gravitational constants k and G respectively.

So here you have the beginning of the macro-spin, the rotation of astronomical bodies, including the earth and the sun and the galaxy from a 'missing link' to the quantum spin of the subatomic neutrons.

The thing with the ylem-stars is that they seeded the galaxies in a Monadic Duality of Black Hole Mothers (supermassive Black Holes at the center of galaxies) and White Hole Fathers (Quasars, which fuel the Black Holes as initial triggers).

So then the Black Hole ALWAYS spins opposite the White Hole, coupled to itself and from this the overall spin of the galaxy eventuates in a macro-quantum entanglement with other galaxies.

The Milky Way spins (or winds in) opposite the Andromeda galaxy and the two are 'married' to each other in some sense, as can be ascertained in their 'meeting' each other in collision in about 5 billion years.

So if the quasar at the center of the Milky Way spins clockwise, the Milky Way's Supermassive Black Hole spins anticlockwise and vice versa for Andromeda. Because the Quasars (or white holes) emit light, the visible Milky Way (or Perseus) will be measured and observed as a clockwise winding 'male' (barred) spiral galaxy and Andromeda vice versa.

Ok, next step. You have reduced all spinning things in the universe, to potential energy vortices and the interaction of coupled energy sources and energy sinks. At the beginning of space and time, the temperature was 100 thousand million billion trillion Kelvin and the universe was the size of the smallest scale possible (the Hawking-Penrose Singularity). This is called the Planck-Temperature.

Actually, it can be shown that the Big Bang was caused physically by a temperature gradient and that an 'algorithmic' temperature was so 10,000 times in excess of the Planck-temperature.

An 'algorithmic' temperature has nothing to do with kinetic energy of particles, but is a permutation state of entropy. That is where the laws of thermodynamics come from.

So something happened to manifest the Planck-Temperature from its 'algorithmic' aka 'mathematical' aka 'metaphysical' precursor.

This something was the origin of the quantum spin, namely it was the thing that would later couple TWO neutrons to be a Double-Neutron of bosonic fullspin (and behind the physical mysteries of weak parity violation, neutrino chirality, matter-antimatter asymmetry and so on).

The experts search for the supersymmetry between the full-spinners (bosons) and the half-spinners (fermions); but this supersymmetry is already inherent in nature as the 'reason for the mysteries'.

The Planck-Temperature fell to a value of so 140 billion billion Kelvin (the Weyl-Temperature) AT the Big Bang and AFTER a lot of other things had already been established between the Planck-Temperature and the Weyl-Temperature.

These 'other things' are collectively known as inflation.

Now at the Big Bang, the Weyl-Singularity became manifest AS the Planck-Singularity and because now spacetime could EXPAND into the INFLATION

space (which is higher dimensional as a 5 or 8 or 11 dimensional envelope for the 4D spacetime of the relativity physics); the COUPLED supersymmetry of the Bosonic Superstring of ZERO-SPIN could bifurcate into the fermionic halfspins of the quantum spin of the elementary particles and based on the electron spin and the nucleon spin.

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