ENERGY BALANCE

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What is what.
The picture shows two rows of sleeves and caps: I upper and II lower.

Row I (our universe)

This is how the description of my Hypothesis - story (HO) began above, so beautifully edited by AI. Earlier, I was struck by the symmetry that spontaneously appeared in the image of sleeves and caps. I didn't delve deeper into what this image means, or whether any other stunning conclusions could be drawn from it. When the euphoria passed, I examined the energy balance of the inversion process and stated with bitterness that I had to abandon my beautiful HO. The energy balance was correct, but the annihilation energy of proton with antiproton did not match. In P(+) the energy $E = m{\cdot}c^2$ was packed, while in aP(-) there was more of this energy by the value of energy $E_{\text{grav}} = m \cdot c^2$, which spacetime twisted for us in P(+), from plus to minus polarization. From the annihilation of P(+) with aP(-) we would obtain more energy by the value E_{grav}. It seemed that P(+) and P(-) differ in internal energy.

I decided that I would nevertheless continue my journey with the sleeves and caps and see where they would lead me, what I needed to change to explain the contradiction.

To our rows I and II we will introduce additional players and one postulate.

The photo shows a tabletop with a thin but visible line drawn on it. We draw four dots on it marked: 1,2,3,4 - spaced apart by e.g., 50 mm. The line is an analogue of our spacetime CP4D. The line contains hidden global vacuum energy Egpr. On each dot we place a one-grosz coin. It symbolizes the vacuum energy Epr contained in both FSP and CSP. FSP is the state of flat, disentangled spacetime after unpacking it (depriving it of energy $E = m \cdot c^2$) from the sleeve. We will describe the dots in more detail and remember that on each of them lies a 1gr coin.

1. A five-zloty coin (5 zł) adjoins the 1gr coin. It is placed above the 1gr coin, touching it along the circumference. This configuration represents a proton P(+). Inside the proton, compressed CP (CSP) is contained, which includes energy $E = m \cdot c^2 + \text{Epr}$. This corresponds to the photo of a sleeve with a red cap placed on it. On the cap lies MP(+), which means that the CP in the sleeve has polarization (+).

2. On the dot lies a 1 gr coin, above it without contact lies a 5 zł coin ($E = m \cdot c^2$) and even higher (also without contact along the edges) lies a 5 zł coin (Egrav). The configuration means that we have unpacked the proton P(+) into its component parts. This corresponds to PBlu-O (identical to FSP(+) from photo 1) with two sleeves next to it. It must be noted that we do not know the value of Egrav needed to flip the CP. It could be a 5 zł coin, but just as well 2 zł or even 20 gr. This is not important in our thought experiment; we assume that Egrav is equivalent to 5 zł.

3. We have successively:

   1.1 One gr and above it 5 zł ($E = m \cdot c^2$) not touching along the edges.

   2.2 Another 5 zł, i.e., Egrav, we also place above the line, above the 1 gr: the coins do not touch along the edges. This means that the CP of type FSP has flipped and is enriched by the value Egrav.

   PPOSTULATE 1. The energy used to flip the CP polarization remains in it as vacuum energy. Applies to universes I and II.

   This energy, after unpacking P(+), feeds the background, i.e., CP4D. We now denote FSP as FSP (+2). This corresponds to the photo of the lid marked as PBlu-R (next to it stands a sleeve ready to accommodate the lid).

4. On the dot lies 1gr, above it 5zł (Egrav) and higher still another 5zł ($E = m \cdot c^2$). All coins touch along the edges because they are packed in a sleeve. The system corresponds to the image of a sleeve with a green lid placed on it. On it lies MP (-) i.e., bottom up. This is the analogue of aP(-).

In this model, the internal energy of P(+) and aP(-) is the same, because Egrav (upon the decay of aP(-)) will feed the vacuum energy and this energy is inaccessible to both aP(-) and its twin aP(+).

Row II. The universe on the other side of the mirror

We will describe it similarly to I, what is what, emphasizing the difference through bold and italic. We generally move below the line.

1. A five-zloty coin ($E = m \cdot c^2$) adjoins the 1gr coin. It is placed under the 1gr coin, touching it along the circumference. This configuration represents a proton P(-). Inside the proton, compressed CP (CSP) is contained, which includes energy $E = -m \cdot c^2$. This corresponds to the photo of a sleeve with a red cap placed on it. On the cap lies MP(-), which means that the CP in the sleeve has polarization (-). The negative value of energy for mass results from the fact that this is the only logical assumption for the entire picture and the conclusions drawn from it to be consistent and logical.

2. On the dot lies a 1 gr coin, below it without contact lies a 5 zł coin (Egrav) and even lower (also without contact along the edges) lies a 5 zł coin ($E = m \cdot c^2$). The configuration means that we have unpacked the proton P(-) into its component parts. This corresponds to PBlu-R (identical to FSP(-)) with two sleeves next to it. On PBlu-R lies MP(-) i.e., bottom up.

3. We have successively:

   1.1 One gr and below it 5 zł (Egrav): the coins do not touch along the edges.

   2.2 Another 5 zł ($E = m \cdot c^2$) we place under the 1 gr: the coins do not touch along the edges. This means that the CP of type FSP has flipped and is richer (absolute value) by the value Egrav. This energy feeds one common background, i.e., CP4D. We denote FSP as FSP (-2). This corresponds to the photo of the lid marked as PBlu-R (next to it stands a sleeve ready to accommodate the lid PBlu-R).

Conclusions

1. Spacetime is the common background, the boundary on which both states manifest.

2. The meeting of P(+) and P(-) is not the annihilation of matter with antimatter, but the cancellation of opposite curvature. Two opposite "thickenings" mutually cancel each other out. Lack of energy release: This process only restores flat, basic

spacetime (FSP). No energy is released because it is not destruction, but merely the release of potential energy locked in the geometry – and this release is in a form that is not an emission of photons, but only a "smoothing out" of spacetime. Egrav from both sides of the mirror also cancel each other out, smoothing the CP. This is not annihilation! It comes to geometric neutralization, which is an energy-free (or nearly energy-free) process. The reaction of P(+) with P(-) may resemble a very violent "untangling" of spacetime.

3. Energy is not "contained" in matter, but is a geometric property of spacetime itself. Matter is only a temporary, polarized condensation of this energy.

4. In each of the worlds: I and II, the following occurs:

   (a) Standard intra-universe annihilation:

   - P(+) (from World I) + aP(-) (its antiproton from World I) → FSP + energy (e.g., gamma photons).
   - P(-) (from World II) + aP(+) (its antiproton from World II) → FSP + energy.

   (b) New process: inter-universe quasi-annihilation:

   - P(+) (from World I) + P(-) (from World II) → violent "extinction" (like destructive interference of two opposite wave phases).