

Nature Notifies Us of the Importance of the Cosmological Constant and the Fine-Structure Constant in a Strange Way

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Abstract: The 2-digit Cosmological Constant 0.19 is duplicated in reverse order to form the 4-digit Z boson 91.19: the 4-digit bottom quark 4.180 can be similarly presented in 41.08 form to notify us of the importance of c/α .

We have noted¹ the history signaling capabilities of Z bosons. We have also noted the occurrence of 4-digit negative mass Z bosons (dark matter). The negative mass also has a peculiar reversed 4-digit order: 91.19 as if **nature** wanted to stress the dual 2-digit 0.19 number characteristic (similar to the 171.7 GeV top quark which is apparently based on the 0.17 MeV muon neutrino). Now 0.19 must refer to 1.19 like 1.0000055 refers to 155, etc. (see my ViXra 1906.0136). The number 1.19 certainly refers to the **cosmological constant**².

Let us next consider the Higgs boson: its 4-digit mc^2 of 125.0 GeV contains the 2-digit number 12 for the **12** top quarks and the 2-digit number³ **50** for the 50 orbital electrons of the metal **tin** so very important to the **bronze** age of man. **Nature** converts the Higgs boson into dark matter and stores it in supermassive black holes at the centers of galaxies during the 0.1-billion-year unbroken E8 symmetry epoch at the beginning of the universe.

Let us next consider the top quark further. Its unreversed 4-digit order 171.7 indicates that it appears in **nature** as the ordinary matter top quark without signaling properties. This is in contrast to the 4-digit Z boson with its reversed 2-digit characteristic and which only appears as negative (dark energy)

matter. Ordinary matter Z bosons do appear, however, but always with more than 4 digits and in a signaling role only.

The 4-digit bottom quark of 4.180 GeV is next to consider. If one reverses the 80 the number 4.108 comes up. Now this number matches Richard Feynman's magic number inverse $\alpha \times c = 41.082355$ for the first 4 digits. This indicates that the bottom quark is like the Z boson: it should have a signaling capability but has none because it is only 4 digits long to begin with and has apparently never been longer. It is noticed however that 41.082355 contains a *signal of twice 3.55 MeV; the mass of two down_{neutron} quarks*, which is correct for the neutron!

Finally, it is noticed that the electron neutrino (mass 2.2×10^{-6} MeV) signals 2×1.1 (*matter and antimatter?*). holographic universe. The 2-digit character of the electron neutrino indicates that this happened in the 2nd cyclic universe and that the first cyclic universe was not holographic, but by the third cyclic universe (0.511 MeV modified archaic electrons now) it was. The number 0.0 11 (11) indicates that both 11 and 12 were in MHCE8S theory by the end of the 2nd cyclic universe and $0.0\ 11 \times 10^{-3} = 11 \times 10^{-6}$ MeV was the holographic needed energy per electron for modification. Even today, however, the number 13 is not in the theory. Where the 11×10^{-6} MeV needed per modern electron came from is the subject of a future note.

1. George R. Briggs, "Peculiar signaling properties of the tau and mu leptons and W and Z bosons and more", ViXra 1809.0598, (2018)
2. "Cosmological constant", Wikipedia, (2017)
3. George R. Briggs, "The physics magic number 50 appears in MHCE8S theory and has been very important to mankind", ViXra 1907.0235, (2019)

