A Hybrid Model of Matter and Antimatter sgm, 2018/DEC/06



Above is a depiction of a hybrid model of matter and antimatter including everything of the Standard Model but quarks and gluons — and — including temporal elasticity as a replacement for gluons. The level of reductionism employed with quarks is overkill; it's simply unnecessary when we realize elasticity mediates both the strong nuclear force and gravitation. So please realize the nucleus as depicted above is not the exclusive domain of elasticity. Temporal elasticity, in addition to the nucleus, plays a role at the astronomical level as described below.

However, as Peter Higgs determined, the *exclusive domain* of the Higgs is the *nucleus* specifically imbuing W & Z bosons with mass — *and nothing more*. This cannot be emphasized enough; the current tendency of over-applying the role of the Higgs to *every* particle and *every* domain is *completely inappropriate* and was *never* intended by Peter Higgs.

The Higgs does NOT mediate mass; if anything does, the appropriate candidate would be temporal elasticity.





A proton near an antineutron star would experience a similar phenomenon.

Implications:

1. antimatter thermonuclear processes transpire at least $1.7^2=3$ times faster than matter processes; this could be the reason we don't observe anti-stars presently

2. time essentially stops at the event horizon of matter black holes; time would race to infinity at the event horizon of antimatter black holes which implies IF Hawking radiation is a fact for both types, antimatter black holes should evaporate 'instantly' upon formation whether primordial or due to stellar death

3. however, antineutron stars should persist until today regardless of when they formed; there is no evaporation analog for neutron stars as there is for black holes

4. individual antineutron stars would not interact gravitationally one-on-one with matter neutron stars HOWEVER collectively, they may cause repulsive effects on matter such as cosmic filaments, dark flow, and accelerated expansion

5. some experiments at CERN should indicate any violation of weak-equivalence within the next few years

6. no experiments are planned to determine the decay rates of antineutrons and anti-⁸Be which would vindicate / disprove concepts presented above