

Update September 2023

This quarter sees a compilation of the main points of the pre-fermion hypothesis that should be observable, although not necessarily now.

It is appreciated that this list is all supportive, rather than even-handed, but this is because the explanations would become far too long if all of current interpretations were included. Readers are presumed to already know current interpretations.

The observables range from those already observed, but which have been misinterpreted, through those that are, or may soon be, technologically feasible, to those which may never be technically feasible.

The latter rest on the others that are either observable now or will soon be.

The list, split by type of observation is as follows:

Misinterpreted

Unexpectedly well-developed galaxies at extreme red shifts

Dark energy observations are measuring the rate of viscosity red shift outside our own big bang volume

The $g=2+$ magnetic moment factor implies structure in the electron

The strength of mass and charge fields is the same

Matter and antimatter have been formed in equal amounts

Pair creation is uncovering, not creation

Energy is a vector

Inertial mass and gravitational mass are the same

Acceleration, whether due to motion or gravity, can be determined

Laws of physics are constant but loop sizes change results

Loop masses are not conserved in interactions

Technically now or soon

Dark matter is loops formed from other than three pairs. Observables are limited by loop rotational asymmetries

Failed local big bangs exist within our big bang volume

Negative fundamental masses exist

The $g=2+$ magnetic moment factor implies structure in the electron

Asymmetric neutrinos have mass

Technically possibly never

Quantum mechanics only exists in black holes at their surface

We exist because our electron is so small

Superposition is digital

There is no contiguous space-time, only an average over distance

Width of the photon double-shell

There is a maximum distance a photon can travel

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