

Ok now things are starting to make more sense:

[Physicists discover completely new type of quantum entanglement \(newatlas.com\)](#)

Positive and negatively charged Pion clusters are AC phase linked (or entangled as the physicists say).

Definition of pions: [pions definition at DuckDuckGo](#)

The mass of a pion caught my eye, 264 or 273 times the mass of an electron.

"Any of the three least massive mesons, having a positive, neutral, or negative electric charge. The charged pions have a mass 273 times that of an electron and a mean lifetime of 2.6×10^{-8} second, and the neutral pion has a mass 264 times that of an electron and a mean lifetime of 8.4×10^{-17} second."

The mass of a muon is also 207 times the mass of an electron. [mass of a muon at DuckDuckGo](#)

It's not an accident the muon mass is so close to that of a pion. I see mention that the Tau is 17 times this mass or 3519 times an electron or about twice that of a proton mass of 1840 times that of an electron. Wow that is close. This is surely not an accident.

All these masses are directly caused by energy in the gravity field which is what causes the particles to exist and resonate. Now I just need to figure out the warping of space formula that makes all these particles possible. The key is to calculate the energy contained in the warping of the permittivity and what causes the permittivity to increase in value. I know the vacuum permittivity increases due to a strong electric field and can create electron-positron pairs if the electric field is strong enough [vacuum polarization at DuckDuckGo](#). However a strong internal E field is what holds an individual electron or positron together as an individual particle because the E field warps the permittivity of free space, increasing its value as r shrinks to zero. If the permittivity goes to infinity at $r = 0$ then its electrically metallic at $r = 0$ also.

Then there is the decay of the muon emitting neutrinos which have properties of gravity field waves of very high frequency similar to photons of high frequency electric field waves of a similar nature. I think both the gravity field waves and the electric field waves use a magnetic field to store the energy of motion.

We just need one or two more equations in Maxwell's equations to bring all this together so gravity and atomic physics and electronics are all one in the same physics.

Ok now back to work on ERCOT studies lol.

Gene Preston 1/7/2023