WIMPs and Glowing Dark Matter

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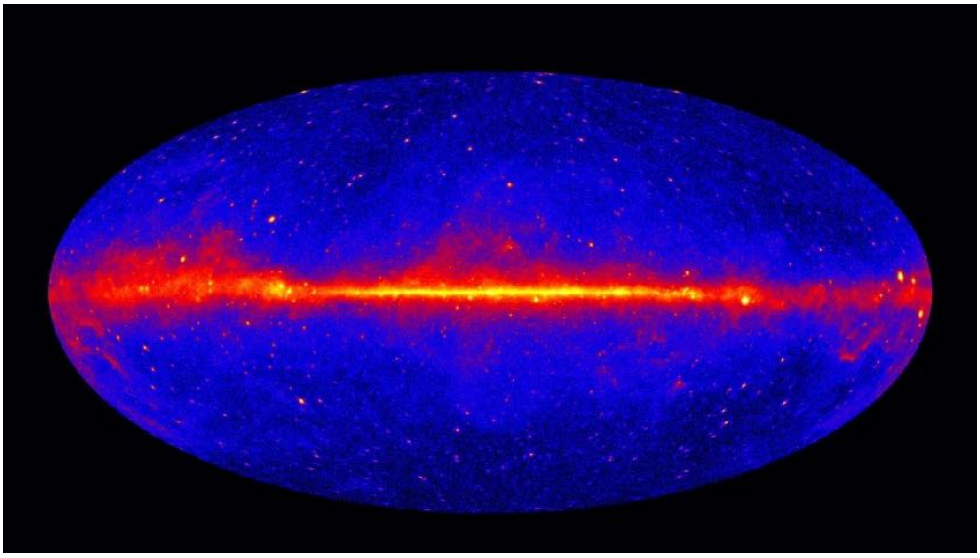
Abstract

It may seem odd to talk about glowing dark matter. Something dark is typically hypothesized to be hiding in the darkness of space, along with dark energy. All favored dark models are simply outdated. This essay will explain how the brilliance of so-called dark matter has always been there. Dark phenomena clearly belong within any Theory of Everything.

What Space Observatories Recently Did and Did Not See

Recent high-energy James Webb Space Telescope (JWST) data from electromagnetic (EM) waves in the Milky Way's galactic plane has been modeled to suggest *degrading dark matter* (DDM), to where some of our galaxy's vast energy is now visible as gamma rays from WIMPs (weakly interacting massive particles).**[1]** This tidy hypothesis is a favored model. However, there are challenges to this idea.**[2]**,**[3]**



Another recent JWST image below reveals intergalactic dark matter gravitational effects on multiple galaxy clusters, along with vast strings of magnetism.**[4]** There is much to unpack in "glowing dark matter" images.

Because "dark matter quantum clouds" interface by push/shadow gravity with human-visible baryonic matter, we cannot elegantly model cosmic dark matter without mass and EM charges, or only with Relativity spacetime. In no way does all this seemingly quantum-particulate "massive energy" equate quantum field theories with spacetime General Relativity (GR). Cosmic data reveals the continuing need for causative 4D physics in a 21st-century Theory of Everything (TOE) within and among all multiversal linear scales.

In the JWST image below the rendered "blue" intergalactic dark regions are *more dense* than rendered "pink" regions of mass. Thus "blue" here is *more strongly net-blocking, equipotent, omnidirectional, 4D-multiversal "quantum sea" flows*. In no way can myriad local spacetime gravity sheets clearly explain the elegant *net gravity relationships* as shown on the right side of the image immediately below.

Yielding similar and very important results, another relatively smaller cosmic scale inside our local 1.74 billion cubic light years (with humans at the geophysical center) involves the *Dipole Repeller*: **[5]**

Why WIMPs Are Galactic Gamma Ray Candidates

Even though WIMPs have never been observed, they *correlate* well within certain math paradigms of what astrophysics "should" be. Many millions of dollars have been spent chasing this massive, but ephemeral, theorized ghost particle. Because we verified the Higgs Boson a few years ago, such success does not indicate that WIMPs will be likewise found.**[6]** If WIMPs aren't soon experimentally captured, then it would be wise to also seriously entertain very different causative physics models that could more elegantly lead to unifying physics and astrophysics paradigms.

The idea that the newly discovered bright X-rays and gamma rays layer (see above) inside our Milky Way (MW) plane is the product of decomposing WIMPs is vague and tantalizing. A better idea is that these visible gamma rays are the routine product *not of decomposing ghost WIMPs, but of dialectically lengthening other physics primary elements,* such as beaded Coulombic strings and primary clusters.

The tools for physics verification that we now lack, and may never have, cannot directly measure precise Coulombic forces inside *individual* yin/yang spheres around 10 to the negative 38 meters (10E-38 m) smaller than our human linear dimension, which is *our point of reference*. That's a thousand times smaller on the linear scale than even the upper limits of the Planck dimension, which is negative 35 from our human size. (N*o physics object has zero 3D dimensions; nor are there any with only one or two dimensions*. Math goes to pure zero, as in Zeno's Achilles paradox, but physics does not.)

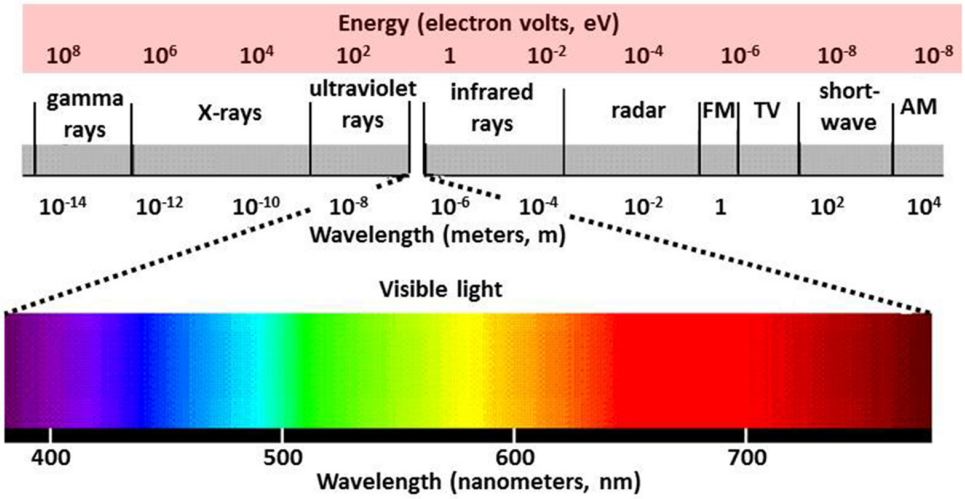
Individual 3D y/y spheres simultaneously contain both plus and minus electromagnetism, which can express at their surface as neutral "primary EM" and magnetism. Note that push/shadow gravity and dipolar EM are *not* the same; but magnetism can be a bridge, especially with the emergent strong and weak nuclear forces. Transverse waves of y/y Coulombic beaded strings appear to be without dipolar EM only because they cohere with neutral primary EM at their own juxtaposed ends.

What dialectically emerges from different y/y beaded strings, either dipolar or primary, helps shape all larger structures. Emergent clusters, and so-called primary particles such as quarks, all trace their origins to much smaller Coulombic spheres, and to their beaded strings of different lengths with different transverse wave frequencies. Composite single quarks, for example, are *twenty linear metric dimensions larger* than fundamental single y/y spheres. Single quark size is also similar to the dimensional difference between individual humans and individual composite quarks.**[7]**

Simultaneity of cause and effects is philosophically expressed by the Nichiren Buddhist conceptual word, *renge* (pronounced "ren'-gay"). A basic and popular, two-dimensional illustration of foundational cosmic reality is shown here to the right:

Four-dimensional, multiversal components all have the same renge power existing within each of their Coulombic spheres. Everything in linear-dimensional reality expresses the granular dialectical differences within renge that we now call physics, astrophysics, and chemistry. There is no need to invoke absurd pure-math models with 10E500 2D universes.**[8]**

What is most important for the transverse-waves frequency phenomenon is how many initially very short photonic EM strings link up into longer strings with less individual electron volts (eV) wave energy. Primary frequency strings (looking from left to right) in this illustration below continue to get longer, first revealing themselves to our space instruments as gamma rays. Next, some lengthen to glow within human visible light frequencies. Finally, long transverse waves can vanish from our unaided vision into the red side of the full EM spectrum. We observe some of this transformation in distant so-called "dark energy" red shifting: **[9]**



Lengthening photon strings can also express themselves beyond visible frequencies as very long "quantum sea" transverse waves, even up to the very long "gravity waves" first caught by the LIGO arrays.**[10]**

Many wavy strings combine into formerly-called primary particles. So bound, they may no longer exhibit light within visible wave lengths, nor in fact light as we commonly recognize it. Nevertheless, wavy vibrations within complex objects can escape and emit radiant energy, as with U235.

All that we have just described is another way of envisioning how the smallest components of real physics can transform and link to become the largest components of our 4D multiverse. The dialectically largest is composed of the smallest — but the smallest is not composed of the largest.

The *question of gravity* is simple too: Instead of modeling with *causative* net push/shadow gravity, Einstein's spacetime math *reversely correlates* with increasingly precise GPS satellite orbital data. Nevertheless, GPS is likewise congruent with correctly explained causative, net push-shadow theory.**[11]**

Within some proximal linear dimensions, GR spacetime seems elegant, but not in others near and far. It is only when we dialectically trace real physics starting from the super-tiny, yin/yang Coulombic spheres — with their initially short beaded-string structures — that the true multiversal harmony of large and small emerges like a beautiful renge flower embracing all "bubble" universes such as our own.

References

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