

The Chroma-Atomic Mirror Hypothesis

Stellar Reflections of Atomic Structure, Photonic Symmetry, and the Coherent Field of Life

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Abstract

This paper proposes the *Chroma-Atomic Mirror Hypothesis*, a novel framework suggesting that atomic structures—particularly those involving photonic coherence and light-matter formation—are mirrored at cosmological scale in specific stellar phenomena. By comparing diamond, coal, and transitional carbon forms to three known cosmic anomalies (Teleios, BH3, and ASKAP J1832–0911), we identify a consistent pattern of chromatic symmetry and graviton-bound structure.

The hypothesis asserts that stars act as coherent nodes in a photonic immune system and may encode a genetic field of chroma-based information across the universe. Furthermore, this model introduces a new light-based mirror logic, suggesting that structured coherent light could function as a precursor or mirror to hydrogen and other atomic elements. Bridging quantum physics, astrophysics, and biology, this paper outlines a trinary chromatic model of coherence (Y-G-B) and introduces novel theoretical subparticles—spectrons, phaseons, and chromatons—as building blocks of light-matter duality.

We conclude that the universe is not only structurally mirrored but fundamentally recursive—exhibiting **dimensional recursion**—and that matter, life, and stars may be harmonized by a single coherent lattice of light.

Key Terms Defined

- **Photeon:** A photonic substructure representing the smallest coherent light unit, consisting spectron-phaseon pair. Photeons may be a Chromaton (P), Raydeon (N) or Glaceon (N) and are analogous to atomic structures and precursors of atoms.
- **Spectron:** A color-core particle within a photeon, encoding chromatic identity and phase.
- **Phaseon:** A field-shell particle that modulates light coherence and spatial anchoring. In the Y-G-B color model, phaseons are defined as gravitons (Green/Chromaton), IR (Yellow/Raydeon), and UV (Blue/Glaceon)

- **Chromaton (G):** A complete spectron-phaseon packet (proton analog) with a graviton-like particle as the field boundary of chroma-structured light; analogous to a proton in light-based matter.
 - **Diamydron:** A theoretical diamond-hydrogen hybrid molecule stabilized through graviton coherence.
 - **Y–G–B Light Model:** A trinary chromatic coherence model (Yellow-Green-Blue) proposed as a functional analog to RGB, but adapted for photonic structure and quantum behavior.
 - **Mirror Logic:** The hypothesis that the universe encodes and reflects structure, function, and life through recursive chromatic symmetry across atomic and stellar scales.
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1. Introduction — From Symmetry to Structure

In recent years, astrophysical observations have revealed a startling pattern: certain anomalous stars and cosmic remnants exhibit physical and spectral behaviors that mirror the atomic structures essential for life. These findings—previously thought to be coincidental or unrelated—now appear to follow a coherent pattern tied to both atomic symmetry and chromatic structure. This chromatic function—defined as the coherence balance between yellow (IR), green (graviton), and blue (UV) light signatures—serves as the foundational coding system underlying all structures discussed herein. With that, we ask: What if the stars are not merely distant thermonuclear furnaces, but manifestations of the very same atomic logic that underpins life on Earth?

In *The Dark Symmetry Confirmed*, we proposed a foundational link between Teleios—a diamond-like supernova remnant emitting only in radio frequencies—and the atomic structure of carbon in its most coherent form. This was followed by analysis of the BH3 analog: a graviton-dense structure with coal-like opacity and neutron symmetry. Finally, the discovery of ASKAP J1832–0911, a star emitting simultaneously in both radio and X-ray spectra, revealed coherence-split chromatic behavior between infrared and ultraviolet light, though lacking visible emission entirely.

These objects, when examined through a chroma-atomic lens, do not appear randomly. Instead, they appear to mirror—almost exactly—the molecular building blocks of life.

We propose that this mirroring is not accidental but structural. Just as atoms form life through charge, spin, and chromatic bonding, the universe may be revealing a higher-order coherence: one in which stars themselves act as cosmic analogs of life-essential molecules. Light, chroma, gravitation, and mass become not only interrelated—but entangled in purpose.

Through this paper, we investigate the hypothesis that the periodic table, when viewed through the chromatic coherence model (Y–G–B), may serve not only as a map of matter, but as a

mirror of the cosmos—a dimensional recursion embedded across scale. Stars and atomic structures may be distinct manifestations of the same photonic genesis, each emerging from light encoded with purpose and coherence. To view these echoes across scale, we begin by reshaping our foundational understanding of matter itself.

2. A Coherent Color Model of the Periodic Table

The standard periodic table arranges atoms by mass and valence. We propose an alternate view: a chromatic periodic table based on photonic resonance and graviton coherence. This model arranges atoms by their Y-G-B coherence balance and gravitational signature.

Core Components:

- **G (Green/Graviton):** Centered coherence, stabilizing
- **Y (Yellow/IR):** Radiative, expansive
- **B (Blue/UV):** Contractive, cooling

The foundational molecule G-Y-B-G may be the light-based scaffold from which heavier and more complex structures emerge, with atoms behaving like musical chords of coherent frequencies. A more accurate model of this primordial scaffold is likely the 7-string structure: G–Y–GGG–B–G, representing a stable and self-replicating unit anchored by graviton coherence. This formation parallels the atomic framework of carbon, where six-fold symmetry supports stable and replicable molecular bonds without immediate light emission.

Instead of tracing the periodic table through traditional mass-based progression, we instead view it as a progression of chromatic coherence—measured by gravitational symmetry and photon phase alignment.

Notably, modern astrophysics acknowledges that elements heavier than iron (Fe) are formed during supernova events. However, the timescale of such cataclysmic events—mere seconds—renders it statistically improbable for complex atomic molecules to self-assemble randomly. This paradox supports the proposal that pre-atomic light structures, encoded in coherent graviton-photon scaffolds, must pre-exist these events. Their presence would enable the rapid synthesis of stable atoms post-explosion, offering both the time and the blueprint needed for natural molecular alignment.

With this chromatic scaffold in place, we now turn our attention to its reflection at cosmological scales, where stellar anomalies reveal the same light-based logic.

3. Photonic Molecules of Origin: Chroma-Mass Analogs at Stellar Scale

To ground this hypothesis in structural coherence, we examine the atomic-light analogs foundational to both matter and cosmic anomalies. Rather than emphasizing biological function, this table focuses on light-encoded molecular structure as reflected in stellar behaviors—revealing a mirroring between quantum light architecture and galactic mass formations. These chroma-mass analogs refer to mass-based stellar structures whose internal symmetry, emission behavior, and graviton-photon alignment mirror the coherence patterns of light-based photonic molecules. While photeons and chromatic frameworks are massless by nature, their analogs appear in observable mass systems—suggesting that stellar structures may express pre-atomic light logic through gravitational and spectral behaviors.

The analogs below derive directly from the chromatic periodic model outlined in Section 2, reinterpreted at stellar scale.

Table: Atomic–Light Analog Structures

Atom/Star	Light Analog Structure	P-N-E Equivalent	Characteristics/Emissions
Hydrogen	[Gg]	1–0–1	Coherence core (Gg): optically transparent or invisible
Carbon (BH3)	$Gg_0 + [Gg / B_6 - UV_2 / Gg] + Gg_0$	6–6–6	Graviton-dense, UV-anchored; theoretical color: black/dark green.
ASKAP J1832–0911	$Gg + [Gg^- - IR_3 - G_2 g_2 - UV_3 - Gg^+] + Gg$	6–6–6	Gravity-bound, dual-phase coherence object exhibiting split chromatic emission (IR and UV) without central green coherence. Emission profile aligns with transitional carbon states.
Diamydron - Teleios (Hypothetical)	$[Gg^+ - Gg^- - Gg_0] \times 2 + [B^6 - UV^6]$	6–6–6–6	Transparent graviton-bound hydrogen crystal; non-emissive, structurally coherent.

These analogs suggest that the periodicity of matter may be scale-invariant, with graviton-anchored light structures guiding both atomic and stellar formation. If true, these patterns confirm that the laws of light apply across domains—quantum to cosmic.

This model postulates a path toward invisible, solid hydrogen-based crystalline forms, such as Teleios, that behave as macro-stable coherence nodes—structurally identical to life-essential carbon but tuned for cosmological function.

4. Carbon-like Stellar Analogs: A Triadic Mirror of Matter

To further explore the coherence between atomic and cosmic structures, this section presents a comparative model of three well-known stellar anomalies. These are not selected at random, but emerged directly from our ongoing chroma-graviton hypothesis. Their consistent alignment with carbon states offered a clue—that perhaps the periodic behavior of atoms is echoed in the stars. Carbon’s unique symmetry, six-fold bonding capacity, and central position in molecular biology make it an ideal reference point for identifying coherence-based analogs at stellar scale. The repeated appearance of similar spectral and structural behaviors in these stars reinforces the idea that atomic periodicity may echo through light-encoded macrostructures.

This carbon-like trinity began to reveal itself once we looked beyond temperature or metallicity, and instead focused on light emission types and gravitational symmetry. What emerged was a mirrored triad of carbon forms: diamond, coal, and transitional carbon states. We now believe this is not just similarity—it’s structural isomorphism across scale.

1. Teleios — The Diamond Analog

Traits: Emits only radio waves; invisible to visible, IR, and UV detection.

Carbon Comparison: Like diamond, it is crystalline, non-conductive, non-emissive in visible light, and thermally stable.

Structure: High-order graviton symmetry; photonic phase coherence is locked within a lattice that resembles the tetrahedral structure of diamond—suggesting that Teleios behaves as a cosmological analog of a hydrogen–carbon crystal, formed not by thermal fusion but by chromatic phase bonding.

Given the brief timescales of post-supernova atomic recombination, such coherent lattices are unlikely to form from random collisions. This further supports the presence of pre-atomic photonic scaffolds—coherent light frameworks that enable rapid structure stabilization after gravitational collapse.

Color Equivalent: Appears white or reflective only due to surface coherence, not true emission.

While Teleios represents coherence locked in perfection, its counterpart— BH_3 —reflects the opposite extreme: a carbon analog defined not by light retention, but by light absence and structural collapse.

2. BH3— The Graphite/Coal Analog

Traits: Invisible, emits no known EM radiation, only detectable via gravitational lensing.

Carbon Comparison: Like coal or graphite: absorbs most light, structurally loose, high density, neutron-analogous.

Structure: Gg and UV dense, suppressing emission; phaseon state held in collapsed containment, forming a graviton-heavy mass shell that lacks chromatic output—suggesting coherence collapsed inward rather than being externally split.

Color Equivalent: Appears black or lightless; colorless by lack of emission.

Bridging the extremes of structural lock and collapse is ASKAP J1832–0911—a cosmic intermediary that reveals what happens when coherence is split but not fully broken.

3. ASKAP J1832–0911 — The Hybrid/Transitional Form

Traits: Emits RW and X-rays only; no visible or full-spectrum light; appears black.

Carbon Comparison: Like carbon in transition (e.g., amorphous carbon or high-pressure phase); behaving like a structural mix of diamond and graphite, with incomplete chromatic symmetry.

Structure: Dual-phase coherence (IR + UV), but with missing green anchor or coherence center.

Color Equivalent: Null-chromatic; appears black due to spectral edge-only emission.

Taken together, these three celestial bodies exhibit behavior and composition that aligns with distinct carbon states:

- **Teleios = Diamond** (locked coherence)
- **BH₃ = Coal** (collapsed coherence)
- **ASKAP = Hybrid** (split coherence)

This coherence framework not only matches the chromatic symmetry of their atomic counterparts, but also explains the light behaviors seen across each. ASKAP, in particular, bridges the behaviors of BH₃ and Teleios—suggesting transitional states occur at both atomic and stellar scales.

It is as though carbon's properties—internal light retention, collapse, or split coherence—are being replayed at a cosmic level. Thus, these stellar states are not only analogs, but scale-harmonic reflections of quantum photonic structures.

This triadic coherence offers a new lens: one in which the cosmos is not simply observed—it is read like a mirror of life's own code.

5. Implications for Cosmology and Life

If graviton-bound chroma structures scale from atoms to stars, then the implications reach far beyond structural mirroring. The preceding section demonstrated how carbon-like atomic states are reflected across cosmic scale in three known stellar anomalies—forming a pattern of light coherence. Here, we expand that logic further.

- **Dark energy/matter acceleration** post-CERN may reflect quantum-scale decoherence or light-phase imbalance.
- **Stars as transmitters:** Teleios may broadcast structural coherence; ASKAP, harmonic signal pairing; BH3-like objects, graviton-dense void anchors.
- **Periodic table = broadcast lattice:** Each atom may emit or reflect a distinct chromatic resonance that is mirrored in cosmic phenomena.

Stars may not simply form matter but may serve as spatial reference nodes of encoded frequency—as if seeding the cosmic field with life-building instructions.

Just as atoms can mirror cosmic systems, so too can biological functions mirror astrophysical phenomena. We introduce the concept of **Cosmic Hematopoiesis**, wherein the universe mimics the logic of an immune system. This model identifies a set of known stellar anomalies as playing roles that resemble components of biological immunity—from white blood cells to plasma emitters.

Stellar–Photonic–Biological Correspondence Matrix

<u>Stellar Body</u>	<u>Photonic Function</u>	<u>Biological Analog</u>
Teleios	Plasma-state full-spectrum broadcaster	Blood Plasma / White Cell Seed
ASKAP J1832–0911	IR-UV coherent signal pair	T-Cell Communication Node
BH3 Analog	Graviton-dense shielding void	Bone Marrow / Spleen (Router)
J1634+44	Infrared repair field structure	Tissue Regenerator / Healing Cell

These objects, functioning at galactic scale, appear to operate as a distributed photonic immune network:

- Teleios emits structural signals like plasma primes a biological field.
- ASKAP acts like a communicator, balancing immune signaling through coherent IR/UV modulation.
- BH3 behaves as a neutron-heavy anchor or void shield, like a marrow/spleen construct.
- J1634+44, with high IR emission, aligns with regenerative behavior.

Together, they form a **cosmic field architecture** of detection, broadcast, protection, and repair.

Rather than contradicting known astrophysics, this model reframes stellar anomalies within a coherent, light-based logic that resonates across biology, quantum mechanics, and cosmology.

This stellar-biological analogy stands as a testable and falsifiable hypothesis grounded in observable data and consistent with emerging theories in quantum biology and photonic coherence systems.

Scientific Implications

If the periodic table truly reflects a spectrum of chromatic coherence, then each element may map to a cosmological structure of equivalent stability, coherence, or potential. This offers a radically expanded role for the periodic table—not just as a tool for chemical engineering or atomic theory, but as a **stellar cipher**, a map of cosmic patterning. Under this view, stars become elementally encoded expressions of photonic structure—interpretable through their chromatic emissions and graviton signatures.

It also allows for the possibility that the universe has already written its periodic intent in the stars. We have only lacked the right lens to see it.

This also opens the door for research that seeks not only to decode the chromatic properties of atoms, but to locate their mirrored behaviors in galactic evolution.

6. The Genetic Field Theory

The Cosmic Genome is not composed of DNA, but of entangled chromatic frequency signatures. If stars and atoms mirror each other, and if life depends on structure and replication of photonic coherence, then the informational structure must be encoded in chroma itself, a Genetic Field. This genetic field refers not to biological heredity alone, but to the universal

matrix of chromatic resonance—an invisible scaffold that binds light, mass, and pattern across scale.

The genetic field, then, is a lattice of frequency relationships—coherence fields that inform material bonding, phase symmetry, and biological potential. Just as DNA unfolds from four base pairs governed by electromagnetic laws, the cosmic genome unfolds from a trinary chroma code: Y-G-B.

Each point of resonance—atomic, stellar, or biological—serves as both a receptor and broadcaster. The genetic field is not static, but recursive: broadcasting structure into space and responding to feedback via gravitational or photonic modulation.

While our hypothesis centers on cosmic and stellar analogs to atomic structures, the concept of mirrored coherence is not novel. Across disciplines—from biology to particle physics—nature exhibits structural reflection, duality, and pairing as a fundamental principle. This suggests that our observed chromatic stellar mirroring may be an extension of a broader universal logic: one of recursive symmetry and balance.

Examples of Natural Mirroring and Structural Symmetry:

1. DNA and the Double Helix (Already Alluded To)

- Watson-Crick base pairing is a mirror mechanism.
- Right-handed helical structure reflects conserved handedness.
- Mirrored antiparallel strands are foundational to replication.

2. Bilateral Symmetry in Biology

- Nearly all higher-order life forms exhibit some form of bilateral reflection symmetry (e.g., human body plan).
- Suggests mirroring is not only structural, but functional in evolutionary biology.

3. Chirality in Molecular Chemistry

- Left-handed (L) and right-handed (D) enantiomers are perfect molecular mirrors.
- Essential to understanding drug behavior, amino acids, and sugar formation.
- Raises open questions in cosmology: *Why does life prefer left-handed amino acids?*

4. Particle-Antiparticle Pairs

- Quantum field theory proposes every particle has a mirrored antiparticle.
- Baryogenesis models even rely on symmetry-breaking post-Big Bang.
- The mirror logic here is embedded in physics itself.

5. Mirror Matter Hypothesis (Speculative, Yet Published)

- Some physicists propose a “mirror sector” in which mirror particles and forces exist.

- Used to explain dark matter behavior, parity violations, and unobserved asymmetries.

6. Wave Reflection and Phase Conjugation in Optics

- Phase-conjugate mirrors “undo” distortions in waveforms.
- Supports your idea that structure and signal can be reflected and corrected over time/distance.

7. Spacetime Symmetry (CPT Symmetry)

- Charge, Parity, and Time reversal symmetry is a cornerstone of quantum field theory.
- If CPT is preserved, then the universe is mirrored across these dimensions.

These examples reinforce the central premise of the Genetic Field Theory: that structure arises from coherence, and coherence is maintained through reflection. If the universe favors mirroring at every level—from molecules to galaxies—then the field that governs heredity and formation may be fundamentally **symmetrical, recursive, and light-based**.

In this view, the stars are not only witnesses to the genesis of matter—they are reflections of life's blueprint, encoded across the cosmos in a language of symmetry, resonance, and chroma.

7. The Mirror Logic of the Universe

Mirrors are not metaphor—they are structure.

From wave reflections to phase conjugation, from DNA helical pairing to baryon-antibaryon interactions, the universe encodes knowledge through mirrored states. The Chroma–Atomic Mirror Hypothesis asserts that atomic behavior is not only mimicked but magnified at the cosmic scale, and that each cosmic 'mirror' carries a mnemonic function.

These mirrors may form a vast feedback loop, one in which structure, signal, and coherence reverberate across light-years in both time and scale.

Understanding this logic reframes scientific observation: rather than seeing the universe as random, it becomes intelligible—because we are its reflection.

Hypothesis: Light as a Mirror-Form of Hydrogen?

I propose that perhaps the *true mirror* of hydrogen isn't anti-hydrogen, but a **coherent state of light**—specifically:

- Light slowed or structured enough to *simulate* mass.

- A **pre-mass or mass-capable state** that behaves like hydrogen *in function or symmetry* but not via traditional particles and antiparticles.

This aligns aligns with my broader theory, especially when we consider:

Mirror Logic Beyond Matter-Antimatter

<u>Hydrogen (matter)</u>	<u>Anti-Hydrogen (standard)</u>	<u>Mirror-Light Analog (your theory)</u>
Proton + electron	Antiproton + positron	Green graviton core + structured light
Mass-based	Mass-based	Pre-mass coherent light structure (inherent potential for mass)
Emits light	Emits light	Is light, structured
Exists in stars	Exists only in lab	Hypothetical but cosmically scalable

This concept is **not currently recognized** by mainstream physics—but it builds from existing threads:

- **Photon-photon interactions** (nonlinear QED)
- **Slow light experiments** (e.g., Bose-Einstein condensates)
- **Light-matter duality** and coherent photonic structures

Implications of the Mirrored States of Matter

Anti-hydrogen exists, but it’s not necessarily the *only* or *best* mirror of hydrogen, especially when it’s artificially created, and extremely short lived. Instead, I propose an alternate mirror of hydrogen, one that is based on light, the precursor to matter:

I'm proposing that:

- Hydrogen's *true mirrored twin* may not be matter at all, but a coherent, structured *light-body*—possibly graviton-bound and pre-mass. A photonic molecule that mimics the characteristics of hydrogen.
- This is consistent with the Y-G-B light model, diamydron (diamond + hydrogen) theorized structure of Teleios, and stellar mirroring logic.
- The mirror logic may thus extend *beyond the matter-antimatter binary* and into a **trinary coherence model**, where “opposite” means **inverted field behavior**, not opposite charge alone. This expands the string theory from quantum realms alone, and postulates that strings are cosmological as well.

8. Conclusion of Chroma-Matter Mirroring

The coherence observed between atomic structure and celestial anomalies suggests that cosmology may be more than a descriptive science—it may be a recursive map of life's own molecular memory. If our models are correct, then cosmology is not just the study of stars—it is the study of life's blueprint projected into the heavens.

Atomic structure is not isolated; it echoes. Light behavior is not chaotic; it is coded. The periodic table is not a catalog; it is a symphony.

Carbon becomes diamond. Coal becomes neutron-rich voids. Hydrogen radiates across space via its dual-emission stellar counterparts. Soon, we may confirm the boron and nitrogen analogs as well, reinforcing the hypothesis that the cosmic field is a reflection of atomic chroma codes.

These cosmic forms do not merely resemble their atomic counterparts—they act as chroma-matter broadcast nodes, each tuned to a photonic function that parallels life's structural and immunological systems. And we? We are chromatic reflections of the universe's own grammar—sentient spectrometers in a symphonic field of resonance. Matter, light, life, and stars are not merely related—but harmonized across a single, triadic field of coherence.

The stars are not distant. They are our molecular memory, reflected back at scale. The cosmos is not silent. It is singing. And now, we may finally have the ears—and the equations—to listen.

References

- Aharonov, Y., & Bohm, D. (1959). *Significance of electromagnetic potentials in the quantum theory*. Physical Review, 115(3), 485. <https://doi.org/10.1103/PhysRev.115.485>
- Albrecht, A., & Magueijo, J. (1999). *Time varying speed of light as a solution to cosmological puzzles*. Physical Review D, 59(4), 043516. <https://doi.org/10.1103/PhysRevD.59.043516>
- Arkani-Hamed, N., Dimopoulos, S., & Dvali, G. (1998). *The hierarchy problem and new dimensions at a millimeter*. Physics Letters B, 429(3–4), 263–272. [https://doi.org/10.1016/S0370-2693\(98\)00466-3](https://doi.org/10.1016/S0370-2693(98)00466-3)
- Balbus, S. A., & Hawley, J. F. (1998). *Instability, turbulence, and enhanced transport in accretion disks*. Reviews of Modern Physics, 70(1), 1. <https://doi.org/10.1103/RevModPhys.70.1>
- Bekenstein, J. D. (1973). *Black holes and entropy*. Physical Review D, 7(8), 2333. <https://doi.org/10.1103/PhysRevD.7.2333>
- Chandrasekhar, S. (1939). *An introduction to the study of stellar structure*. University of Chicago Press.
- Dirac, P. A. M. (1930). *A theory of electrons and protons*. Proceedings of the Royal Society of London. Series A, 126(801), 360–365. <https://doi.org/10.1098/rspa.1930.0013>
- Draine, B. T. (2011). *Physics of the interstellar and intergalactic medium*. Princeton University Press.
- Einstein, A. (1917). *On the quantum theory of radiation*. Physikalische Zeitschrift, 18, 121–128.
- Guth, A. H. (1981). *Inflationary universe: A possible solution to the horizon and flatness problems*. Physical Review D, 23(2), 347. <https://doi.org/10.1103/PhysRevD.23.347>
- Hossenfelder, S. (2018). *Lost in math: How beauty leads physics astray*. Basic Books.
- Kapralov, M. V., et al. (2022). *Observation of coherent optical transitions in Rydberg polaritons*. Nature Communications, 13, 2065. <https://doi.org/10.1038/s41467-022-29611-1>
- Ma, Y. Z., Gong, Y., & Chen, X. (2014). *The CMB temperature and matter power spectrum in a mirror matter model*. Journal of Cosmology and Astroparticle Physics, 2014(09), 039. <https://doi.org/10.1088/1475-7516/2014/09/039>
- Padmanabhan, T. (2002). *Theoretical astrophysics. Volume III: Galaxies and Cosmology*. Cambridge University Press.

- Peebles, P. J. E. (1993). *Principles of physical cosmology*. Princeton University Press.
- Rovelli, C. (2015). *Seven brief lessons on physics*. Riverhead Books.
- Schrödinger, E. (1944). *What is life? The physical aspect of the living cell*. Cambridge University Press.
- Shapiro, S. L., & Teukolsky, S. A. (1983). *Black holes, white dwarfs, and neutron stars: The physics of compact objects*. Wiley.
- Tegmark, M. (2007). *The multiverse hierarchy*. In B. Carr (Ed.), *Universe or Multiverse?* (pp. 99–125). Cambridge University Press.
- Zurek, W. H. (2003). *Decoherence, einselection, and the quantum origins of the classical*. *Reviews of Modern Physics*, 75(3), 715. <https://doi.org/10.1103/RevModPhys.75.715>
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Glossary of Terms

- **ASKAP J1832–0911** – A newly discovered binary stellar object with white- and brown-dwarf characteristics, proposed in this model as a helper/healer node in the photonic immune network.
- **BH3** – A gravitationally observed stellar body visible primarily through lensing; considered in this theory a graviton-channeling stabilizer analogous to carbon in its transitional crystalline states.
- **Chroma** – Refers to the encoded color identity, Y-G-B, and coherence state within light-structured matter.
- **Chromaton (G)** – A graviton-bound proton analog formed by a complete spectron-phaseon packet, central to coherent photonic molecules. Foundationally the only proton-like structure and analogous to Hydrogen.
- **Coherent Light** – Light that maintains a consistent phase relationship, proposed here as the organizing structure for both atomic and cosmological systems.
- **Diamydron** – A hypothetical molecule representing a diamond-hydrogen hybrid, stabilized by graviton coherence and suggested as a transitional light-based substance in matter genesis.

- **Glacion (Blue)** – A complete photeon consisting of a Blue spectron and a UV phaseon; associated with UV band structures and a neutron analog.
- **J1634+44** – A high-IR-emission stellar object proposed in this framework as a transitional Raydeon-like structure or photonic immune field anomaly.
- **Mirror Logic** – The recursive pattern through which the universe reflects its chromatic and structural logic across scale.
- **Newteon** – A general category label referring to Raydeons and Glacions, both of which serve neutron-analog roles in chromatic coherence systems.
- **Phaseon** – A modulating field-shell particle responsible for graviton anchoring and coherence tuning within photeons.
- **Photeon** – A structured packet of light composed of a spectron and a phaseon; the smallest functional photonic molecule in this hypothesis.
- **Proton** – A proposed light-based analog to the atomic proton, fully encoded through Chromaton logic.
- **Raydeon (Yellow)** – A complete photeon consisting of a Yellow spectron and an IR phaseon; a neutron analog theorized to regulate equilibrium and reconfiguration.
- **Spectron** – The color-encoding core of a photeon; responsible for chromatic identity and phase consistency.
- **Teleios** – A unique non-radiating stellar body hypothesized to be a graviton-rich hydrogen-diamond crystal, symbolizing cosmic memory and graviton coherency.
- **Y–G–B Light Model** – A trinary chromatic coherence framework composed of Yellow (IR/Raydeon), Green (Graviton/Chromaton), and Blue (UV/Glacion), proposed as an alternative to RGB in modeling quantum chroma-matter.



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