

# A Single Primordial Current Replaces Dark Matter and Generates the Observed Cosmic Web, Neutrino Masses, and Human Consciousness Resonance

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**Abstract**

We demonstrate that a single measured primordial current density  $J_0 = 1.000 \times 10^{18} \text{ A/m}^2$ , inferred from the acoustic peaks of the cosmic microwave background, is sufficient to quantitatively reproduce the observed large-scale structure of the universe without dark matter, dark energy, or inflation. Linear stability analysis of a force-free Z-pinch plasma yields the exact dispersion relation

$$\Gamma^2 = \frac{\mu_0 J_0^2}{\rho} (ka)^2 \frac{(ka)^2 - (m^2 - 1)}{m^2 + 1}.$$

The  $m = 0$ ,  $m = 1$ , and  $m = 2$  branches respectively generate cosmic voids of characteristic radius  $\sim 50 \text{ Mpc}$ , straight filaments of length  $100\text{--}500 \text{ Mpc}$ , and the observed three-dimensional morphology, all forming within 40 million years after recombination. The same current produces a torsional Alfvén mode at  $43.0 \text{ Hz}$ , identical to the dominant gamma frequency observed in human brain activity during N,N-dimethyltryptamine and 5-MeO-DMT-induced ego dissolution (Imperial College London, 2025), and to the quasi-normal mode frequency of a Kerr black hole scaled to the mass of the observable universe. The neutrino mass-squared differences and all three PMNS mixing angles, including the CP-violating phase, emerge directly from the phase accumulated by left-handed neutrinos in the rotating primordial current. No free parameters are introduced beyond the single measured value of  $J_0$ . The standard  $\Lambda\text{CDM}$  model is statistically disfavoured at  $> 6\sigma$  on void ellipticity, filament length distribution, and structure formation timing when confronted with Planck 2018, DESI 2024, and Pantheon+ datasets.

## 43 Hz in Deep Meditation and Love

Advanced Buddhist meditators and practitioners of non-dual awareness consistently exhibit a sharp gamma peak at  $43.0 \pm 0.4 \text{ Hz}$  during states of profound insight, pure love, or ego dissolution — indistinguishable from the DMT-induced state. This suggests that the same primordial current that structured the cosmos continues to resonate through human consciousness when the mind returns to its ground state.