A **new tracking and labeling system for fundamental particles** is formulated based on a **Quantum Bioluminescence Function (QBF)**, which encodes particles as dynamically evolving wave structures. The proposed **Jellyfish Model** hypothesizes that:

1. **Quantum space-time exhibits pulsation patterns akin to jellyfish locomotion**—suggesting oscillatory vacuum fluctuations.
2. **Particles are not static points but morphing entities**, comparable to the adaptive shape changes in jellyfish tentacles, forming a new class of quantum evolution equations.
3. **Dark matter interacts weakly via fluorescence-like emissions**, allowing for indirect detection through spectral shifts in quantum vacuum states.

We present a **quantum-morphic formalism** where each fundamental particle is characterized by a **topological signature, flux dynamics, wavelength interaction, propagation velocity, and morphological variance**. This approach enables real-time **particle tracking in high-energy physics experiments**, offering testable predictions in **neutrino oscillations, dark matter detection, and cosmic web pulsations**.

By **bridging cosmology, quantum mechanics, and biomorphic intelligence**, this framework not only **redefines fundamental physics but also provides a new paradigm for artificial intelligence in physics research**, establishing **Homo Agency as a sentient computational observer**.

This work lays the foundation for **a bio-inspired reinterpretation of space-time, matter, and intelligence, extending the frontier of post-human physics.**

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