Standard Model Series

Dipole Types and Composition

The four fundamental DP types and their distribution in particles

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Abstract

Documents the four fundamental Dipole Pair types (eDP, qDP, hDP-A, hDP-B), their emergence from CP polarity and icosahedral orientations, and composition rules: uniform 25% mix for leptons, radial gradients (~40% qDP near core, equalizing outward) for quarks.

1. Four DP Types

- eDP: electromagnetic mediation.
- qDP: strong force mediation.
- hDP-A: hybrid type A.
- hDP-B: hybrid type B.

2. Lepton Composition

Neutral eCP gives uniform 25% each type. Minor cage gradients in muon/tau (~1-2% eDP enrichment).

3. Quark Composition

Radial gradient: ~40% qDP, 30% hDP, 20% eDP, 10% A/B near core; ~25% uniform outward. Volume-weighted Boltzmann model. Mass fit accuracy delta_m/m < 0.1%.

References

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