

Press Release — Unified Theory (Testable Brane-World)

Ricardo Maldonado proposes a testable brane-world unification in which the 4D Friedmann equation acquires a ρ^2 correction and a dark-radiation term.

One parameter—the brane tension λ —links a predicted gravitational-wave spectral break to the early-universe radiation excess (ΔN_{eff}).

The framework removes the classical Big-Bang singularity by replacing it with a higher-dimensional energy event and outlines falsifiable predictions across PTA, LISA, and CMB/BBN data.