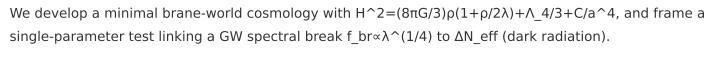
## **Unified Theory — Data-Anchored Brief**

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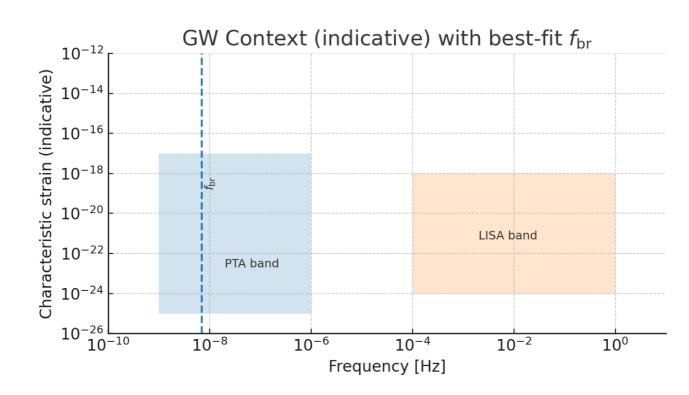
August 13, 2025 (UTC)

### **Letter (PRD)** — **Summary**

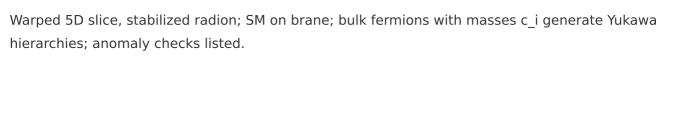


#### Two-Pager (Physical Units) — Key Numbers

f\_br  $\approx$  7.07e-09 Hz; ΔN eff  $\approx$  -0.06;  $\lambda^{(1/4)} \approx$  1.043e-01 GeV ( $\lambda \approx$  1.182e-04 GeV^4).



### **Compactification (RS Toy)**



# Supplement — Methods

Posterior built from PTA break + Planck prior; $\lambda$ mapped via calibrated f_br( $\lambda$ ); publication fits to	
use full PTA/CMB likelihoods.	