

Results Two-Pager — Overview

Model: 4-D brane in higher-D bulk \rightarrow modified Friedmann with ρ^2 + dark radiation.

Single parameter λ predicts:

- GW spectral break $f_{\text{br}}(\lambda) \propto \lambda^{1/4}$
- Radiation excess via $\Delta/\rho_{\gamma,0} = (7/8)(4/11)^{4/3}\Delta N_{\text{eff}}$

Falsifiability: one λ must satisfy PTA \rightarrow LISA and CMB/BBN simultaneously.

Figures (placeholders for your real plots)

- Posterior contour: λ vs ΔN_{eff}
- 1D posteriors: λ , ΔN_{eff}
- PTA fit preview (model vs points) with LISA overlay

Drop your PNGs into /assets/images/ and link them from the site if desired.