

## Data-Anchored Two-Pager — Physical Units (recap)

Break frequency:  $f_{\text{br}} \approx 7.07\text{e-}09$  Hz; Planck-2018  $\Delta N_{\text{eff}}$  posterior peak  $\approx -0.06$ .

Inferred brane tension scale:  $\lambda^{(1/4)} \approx 1.043\text{e-}01$  GeV;  $\lambda \approx 1.182\text{e-}04$  GeV<sup>4</sup>.

Note: absolute normalization follows the standard frequency-temperature mapping; refine per your convention for publication.

# LISA Overlays (illustrative, analytic)

