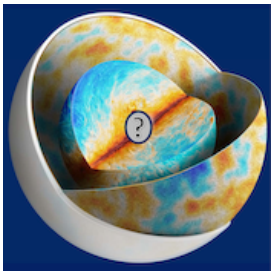

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CMB + BAO + SN: Bayesian Model Comparisons and Cross-Dataset Tensions

lundi 13 octobre 2025 17:10 (20 minutes)

We present a unified assessment of Bayesian model comparisons and cross-dataset tensions for the (still) standard ΛCDM model and some minimal extensions (curvature Ω_K, sum of neutrino masses $\sum m_\nu$, dynamic dark energy w, or w_0 and w_a) in light of data from the cosmic microwave background (CMB), baryon acoustic oscillations (BAO), and supernovae (SN). Our analysis highlights how specific combinations drive or relieve tensions.

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