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Baryon Asymmetry from the Generalized Uncertainty Principle

Tuesday, 6 July 2021 10:00 (25 minutes)

We study Quantum Gravity effects in cosmology, and in particular that of the Generalized Uncertainty Principle on the Friedmann equations. We show that the Quantum Gravity induced variations of the energy density and pressure in the radiation dominated era provide a viable explanation of the observed baryon asymmetry in the Universe.

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