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The interplay between Primordial Black Holes and Leptogenesis

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Primordial Black holes (PBHs) with masses lighter than 10^15 grams should have been evaporated by now giving potentially access to the physics of the Early Universe. In particular, the presence of PBHs could have impacted the process of leptogenesis in different ways depending on the mass and so on the temperature of the PBHs. We present the impact of the non-standard cosmology driven by the presence and the evaporation of light primordial black holes on the production of the baryon asymmetry of the Universe in different scenarios of leptogenesis.

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