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Baryogenesis in bouncing cosmologies

We present results regarding the applicability of Gravitational Baryogenesis for bouncing cosmologies generated by quantum effects represented by a Wheeler-DeWitt equation, interpreted according to the de Broglie-Bohm theory. In the context of minisuperspace models, we show that it is possible to obtain the correct baryon asymmetry observed in the Universe, for large regions in the parameter space of this theory. Furthermore, we discuss how different types of bounces, both symmetric and asymmetric, affect these regions.

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