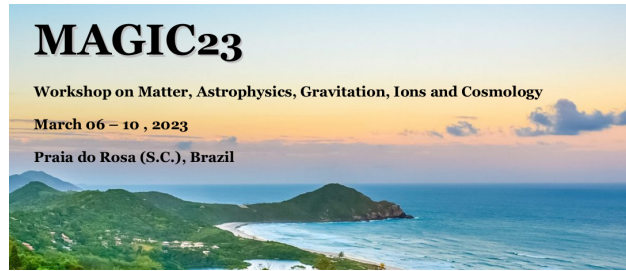


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CP Violation in a Noncommutative Spacetime

One of the great modern scientific mysteries is the abundance of matter over antimatter. Cosmic matter-antimatter asymmetry arises through many mechanisms, for example in the Standard Model (SM) this asymmetry is credited to CP violation. Experimental evidence has systematically shown that CP violation from the weak interaction alone may not be sufficient to explain this imbalance, so new sources CP violation are needed. In this study we consider the effect of noncommutative spacetime as a possible new source of CP violation.

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