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Cosmic birefringence and its implications for axion phenomenology

Wednesday, 29 September 2021 14:50 (40 minutes)

A recent measurement of the non-zero isotropic birefringence angle with a 2.4 sigma level in Planck 2018 polarization data opens a tantalizing window for testing the parity-violating extension of the Standard Model. In this talk, I will explain the measurement of cosmic birefringence and discuss its implications for dark matter and dark energy models in the context of axion physics.

Presenter: GASPAROTTO, Silvia

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