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Cosmological constraints on SuperWIMPS

Thursday 31 August 2023 22:15 (5 minutes)

We provide a comprehensive analysis of constraints on Supersymmetric gravitinos and axinos originating from spectral distortion, BBN and Lyman-alpha considerations. We analyze the current status and future prospects of such scenarios from cosmological probes. Furthermore, we provide the complementary constraints from collider data and assess the future discovery prospects.

Presenter: SENGUPTA, Dipan (University of Adelaide)

Session Classification: Posters of thursday (ignore time)