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Dark Matter in Non Standard Cosmologies

Tuesday, 1 October 2019 15:30 (1 hour)

There is a great deal of freedom to propose changes from the standard cosmology history of the universe prior to Big Bang Nucleosynthesis. In this talk I will highlight that such non standard cosmologies can significantly impact the expected relic abundance of dark matter. I will review the classic applications of these ideas to reviving neutralino WIMP dark matter, discuss recent work applying these ideas to different dark matter candidates, and highlight new ideas related to cosmologies with highly non-standard equations of state.

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