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Sizable tensor modes and the gravitino problem

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The measurement of primordial tensor modes in the CMB allows for a determination of the energy scale at the beginning of the ‘observable’ part of inflation. We show in how far such a measurement provides implications for the subsequent phase of inflation and the post-inflationary phase of reheating. Further, we will revise the gravitino problem and show the implications for a supersymmetric scenario where the gravitino is the Dark Matter candidate.

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