

E i n l a d u n g

zum Vortrag

von:

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über:

*„Gravitino Dark Matter and
Big Bang Nucleosynthesis“*

Abstract:

We will discuss the possibility that the Dark Matter particle is the gravitino, the supersymmetric partner of graviton. In this case, the next-to-lightest supersymmetric particle (NLSP), is either the stau, the partner of the tau lepton, or the neutralino. The NLSP is long lived and decays gravitationally during or after the Big Bang Nucleosynthesis (BBN) era. Hence, this scenario is severely constrained by the BBN predictions for the light elements abundance. Moreover, if the NLSP is the negatively charged stau, bound states can be formed with the light elements.

Zeit: Donnerstag, **11. Oktober 2007**, 14:00 s.t.

Ort: Bibliothek, 1. Stock

gez. H. Eberl