

## **Gravitino dark matter at LHC and GLAST**

*Wednesday, July 18, 2007 2:00 PM (1 hour)*

We consider supersymmetric theories where the gravitino is the lightest superparticle (LSP) and a charged scalar lepton the next-to-lightest superparticle (NLSP). Such a scenario can lead to spectacular signatures at the LHC, which we illustrate with several examples. A gravitino LSP can be the dominant component of dark matter. In the case of small R-parity breaking, it may first be discovered by GLAST.

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**Session Classification:** Seminar