

Theory Seminar

Monday, February 27, 2012 2:10 PM 831 Pupin Hall

The Theory of R-parity and Supersymmetry at the LHC

The fate of R-parity in the context of the minimal supersymmetric standard model is a central issue which has profound implications for particle physics and cosmology. In this talk I discuss the simplest theory where one can understand the origin of R-parity (non)conservation. The possible predictions for neutrino physics, cosmology and the unique signals at the Large Hadron Collider are discussed in detail.



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