

Studying Gauginos in Supersymmetric Model at Future 100TeV pp Collider

Tuesday, 26 February 2019 10:00 (1 hour)

I discuss a possibility of studying the properties (in particular, masses) of gauginos at future 100TeV pp collider, paying particular attention to the model in which gauginos are within the kinematical reach while the sfermions and Higgsinos are too heavy to be produced at the collider. I first explain that such a mass spectrum can be naturally realized in a class of model called minimal gravity mediation. Then, I discuss procedures to determine gaugino masses at future 100TeV pp collider. I also comment on the possibility to acquire information about more fundamental parameters, like gravitino mass.

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