Contribution ID : **1046** Type : **Poster**

Direct and indirect searches for neutralino dark matter in the large tan beta region

Abstract content

The lightest neutralino in SUSY models is a good candidate for dark matter of the universe. In the large tan beta region of SUSY models, signals for direct and indirect search experiments can be enhanced due to neutral Higgs exchange diagrams. On the other hand, the same digram can affect Bs–>mu mu and may violate the upper bound from Tevatron. I discuss the interplay of these observables, and the parameter space with enhanced signatures for dark matter searches is largely excluded by Bs decays.

If this papers is presented for a collaboration, please specify the collaboration

Summary

Reference

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Session Classification : Posters 3 + Coffee

Track Classification : HE.3.3