

Searching for supersymmetry in Z' decays

Wednesday 14 December 2016 11:30 (15 minutes)

I discuss the feasibility to search for supersymmetry in Z' decays at the LHC, in $U(1)'$ and Supersymmetric Standard Model, by investigating final states with charged leptons and missing energy. I also investigate decays into pairs of the lightest MSSM neutralinos, which are Dark Matter candidates, and update the exclusion limits on the Z' mass, accounting for the inclusion of BSM decay modes.

Author: CORCELLA, Gennaro (INFN - LNF)

Presenter: CORCELLA, Gennaro (INFN - LNF)

Session Classification: Interpretation studies