



ID de Contribution: 52

Type: **Non spécifié**

## SUSY searches in Leptonic Final States with CMS

*mercredi 11 mars 2009 19:33 (8 minutes)*

Within the mSUGRA model, the observability of the decay of the next to lightest neutralino into leptons has been studied using a full simulation of the CMS detector. The final state signature consists of two opposite sign leptons, several hard jets and missing transverse energy. The expected precision of the measurement of the dileptonic mass edge is reported for  $1\text{~fb}^{-1}$  of data, including systematic and statistic uncertainties.

**Auteur principal:** M. MOHR, Niklas (RWTH Aachen)

**Orateur:** M. MOHR, Niklas (RWTH Aachen)

**Classification de Session:** Young Scientists Forum 2