



ID de Contribution: 75

Type: **Ordinary**

## Searches for supersymmetry in compressed scenarios

*jeudi 19 mars 2015 10:25 (15 minutes)*

Searches for supersymmetric models with a compressed mass spectrum are presented using data samples corresponding to integrated luminosities of  $19.4\text{--}19.7\text{ fb}^{-1}$ , collected at a centre-of-mass energy of 8 TeV with the CMS detector at the LHC. This class of model is challenging to detect experimentally, primarily due to low-momentum SM particles arising from decay chains involving SUSY particles of comparable mass. Various searches that are optimised for compressed-spectrum models are presented.

**Auteur principal:** Dr BAINBRIDGE, Robert (Imperial College London)

**Orateur:** Dr BAINBRIDGE, Robert (Imperial College London)

**Classification de Session:** Beyond SM

**Classification de thématique:** Experiment