



ID de Contribution: 43

Type: **Non spécifié**

## **The first few fb-1; Potential for observing SUSY, Higgs (SM and BSM)**

*lundi 3 mars 2008 09:10 (20 minutes)*

We outline the expected sensitivity of the discovery for SUSY and Higgs on the first few fb-1 operation of LHC. We also briefly introduce the global strategy for finding the SUSY particles, and proposed background estimation methods by data-driven analysis. This report contains both results from ATLAS and CMS experiments. With a few fb-1 data, both experiments will find SUSY particles over wide range of the SUSY parameters, and possibly discover the SM Higgs boson in the first few year operation of LHC.

**Auteur principal:** Dr TSUNO, Soshi (High Energy Accelerator Research Organization, KEK)

**Orateur:** Dr TSUNO, Soshi (High Energy Accelerator Research Organization, KEK)

**Classification de Session:** Searches