



ID de Contribution: 193

Type: **Ordinary**

## Heavy Neutral Leptons and displaced vertices at LHC

*vendredi 16 mars 2018 09:35 (15 minutes)*

Heavy neutral leptons, such as massive sterile neutrinos, are introduced in many beyond the Standard Model theories. Our aim is to study the potential of the LHC to produce and discover this kind of new particles. Moreover, and depending on their masses and couplings, they can be long-lived and lead to signatures with displaced vertices.

### Summary

**Auteurs principaux:** Dr ABADA, asmaa; Dr MARCANO, Xabier (LPT, Orsay); BERNAL, Nicolás (Universidad Antonio Nariño); Dr LOSADA, Marta (Universidad Antonio Nariño)

**Orateur:** Dr MARCANO, Xabier (LPT, Orsay)

**Classification de Session:** Friday morning: Neutrinos (ter)