



Laboratório de Instrumentação e  
Física Experimental de Partículas

## **Seminário LIP**

Quinta Feira, 13 de Dezembro 2018

11:30

### **Hot TOPics**

**Prof. Yvonne Peters**

**Manchester University**

The heaviest known elementary particle, the top quark, provides an interesting area of research. Its high mass and short lifetime make it to be of special interest in the hunt for physics beyond the standard model. In my talk I will present a potpourri of recent analyses in the top sector, using LHC proton-proton collision data at 13TeV centre-of-mass energy, recorded with the ATLAS detector. Examples of presented analyses are a new result on top quark spin correlations, a study of QCD colour-flow in top events, and the connection of the top to the Higgs boson.

**Local: Sala de Seminários (311)**

**LIP, [www.lip.pt](http://www.lip.pt)**

**Av. Prof. Gama Pinto, N° 2, 1649-003 Lisboa**

**Café e bolinhos 30 min antes**