



LHC Seminar

SPEAKER: Nick Barlow (University of Cambridge (GB))
TITLE: **Search for long-lived massive particles with the ATLAS detector**
DATE: Tue 23/10/2012 11:00
PLACE: TH Conference Room

ABSTRACT

Numerous new physics models predict the existence of massive long-lived particles. Such particles may be produced at the LHC singly or in pairs, and can be detected through abnormal specific energy loss, long time-of-flight, late calorimetric energy deposits, disappearing tracks or displaced vertices. The seminar presents the experimental challenges and recent results from searches for long-lived particles with the ATLAS detector.