



LHC Seminar

SPEAKER: Alex Cerri (CERN)

TITLE: **Recent heavy flavour results from ATLAS**

DATE: Tue 06/03/2012 11:00

PLACE: Main Auditorium

ABSTRACT

In this seminar we review heavy flavour production and decay measurements made by the ATLAS experiment. We discuss the trigger scheme used to capture heavy flavour decays with high efficiency within an acceptable bandwidth, and show examples of exclusively reconstructed B-decays under this scheme. The status of heavy quarkonia production studies in general, and the recent discovery of a new χ_b state at the experiment, are reviewed. Finally, we present the results of a search for the rare B-decay $B_s \rightarrow \mu^+ \mu^-$ using data collected in 2011.